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# CONTENT

香港模具協會簡介 INTRODUCTION TO HONG KONG MOULD & DIE COUNCIL

主席的話 CHAIRMAN'S STATEMENT

副主席的話 VICE CHAIRMAN'S STATEMENT

「D4EMP 一高效量產模具設計」

HONG KONG PAVILION - D4EMP

**DESIGN FOR EFFECTIVE** MASS PRODUCTION

升級轉型 致肠之道

執行委員會 2015-17 THE EXECUTIVE COMMITTEE 2015-17

行業資訊 -工總冀助打造智慧型城市 INDUSTRY NEWS -**FHKI HOPES TO HELP BUILD AN INTELLIGENT CITY** 

行業資訊 -

行業資訊 - 自動化: 中國製造業未來方向 INDUSTRY NEWS -FROM MANUAL TO AUTOMATIC: CHINA'S NEXT VEHICLE FOR MANUFACTURING GROWTH

行業資訊 - 未來出路: 珠三角港商挑戰中求變 PRD'S HONG KONG MANUFACTURERS RESHAPE

AMID CHALLENGES

INDUSTRY NEWS - UPGRADING AND TRANSFORMATION ARE KEYS TO SUCCESS

行業資訊 - 行政長官: 政府為高增值工序提供支援 INDUSTRY NEWS - CE: GOVERNMENT PROVIDES SUPPORT TO HIGH VALUE-ADDED INDUSTRIAL PROCESSES

協會活動花絮 **ACTIVITIES HIGHLIGHTS** 

行業資訊 - 「外柔內剛」 汽車零件一次成型 INDUSTRY NEWS -"VELVET GLOVE" **AUTO PARTS MOLDING** 

行業資訊 -創新設計 從內對外 INDUSTRY NEWS - DESIGNING FROM THE INSIDE OUT

重要展覽目錄

會員名錄 MEMBER LIST

產品/服務索引 PRODUCT

123

工總入會申請表 **FHKI MEMBERSHIP** APPLICATION FORM

> 編輯委員會:鄭嘉敏•黃德慧 Editorial Board: Agnes Cheng . Winky Wong



香港模具協會簡介

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# INTRODUCTION TO HONG KONG **MOULD AND DIE COUNCIL**

# 香港模具協會簡介

香港模具協會於1989年成立,並隸屬於香港工業總會 轄下的第14分組。從成立至今,香港模具協會已經服務 本港模具業界逾26年,期間一直致力促進本港模具業界 的交流,並向政府反映行業的需要。時至今日,香港 模具協會已經發展成為本港模具業界當中,最具代表性的工 商業組織之一。

#### 香港模具協會的宗旨如下:

- 促進本港模具業利益
- 提高模具業技術水平,加強在海外的競爭能力
- 組織與模具業利益相關的重要活動
- 向協會會員發佈有關資料
- 向有關政府部門反映模具業的意見

香港模具協會現時有超過100名會員,並由2015-17年度 的主席楊悰傑博士及副主席蔡俊杰先生的率領之下, 籌組了由29位執行委員所組成的執行委員會;而執行 委員會則按所需,再細分為5個小組委員會,來分別 進行不同的活動,包括了:內地及海外事務委員會、 傳訊及社交媒體委員會、會員關係委員會、跨行業網絡委員 會、教育及技術發展委員會。

如欲了解更多關於香港模具協會或模具業界的資訊, 歡迎瀏覽: http://www.hkmdc.org.hk。

Hong Kong Mould and Die Council, established in 1989 as Group 14 under the auspices of the Federation of Hong Kong Industries, aims at serving the industry's needs for more than 26 years. It facilitates the interaction between members within the industry, and also acts as a channel to voice up industry's need to the Government. Nowadays, the Council has become one of the major associations to represent the common interests of the mould and die industry in Hong Kong.

The objectives of Hong Kong Mould and Die Council are listed as follows:

- To promote the interests of the Hong Kong mould and die industry.
- To upgrade the technological level of the mould and die industry and to strengthen its competitiveness overseas.
- To organize activities of interest and importance to the mould and die industry.
- To disseminate relevant information to fellow members.
- To represent the best interests of the mould and die industry and to advise the Government on matters related to the industry.

Currently the Council has more than 100 company members led by Dr Jack Yeung, the Chairman, and Mr Felix Choi, the Vice-chairman, for the year 2015-17. An executive council with 29 executive members is established to organize various events and activities, and it is further split into 5 sub-committees based on the nature of events and activities, namely, Mainland & Overseas Affairs Committee, Public Communications & Social Media Committee, Membership Relations Committee, Cross Network Committee and Education & Technological Development Committee.

For more information about the Council and the news updates of the mould and die industry, please visit: http://www.hkmdc.org.hk.

#### 香港模具協會

Hong Kong Mould & Die Council

地址 Address: 九龍長沙灣長裕街8號億京廣場31樓 31/F, Billion Plaza, 8 Cheung Yue Street, Cheung Sha Wan, Kowloon

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# CHAIRMAN'S STATEMENT 主席的話

In 2007, Eric Friedman and James Park, two young men in the United States, realized that sensor and wireless technology could be advanced to create awesome health and fitness experiences. They decided to establish an early venture and kick-start product innovation. The result of their creativity and business acumen was Fitbit, the wearable gadget. This intelligent fitness tracker has changed our lifestyle. Eight years after Fitbit was founded, the company's projected sales in 2015 will reach US\$ 1.7 billion, with a market capitalization over US\$7 billion.

In contrast, Nokia, the global leader in mobile phone technology, had a different story. Faced with the launch of iPhone and Android smartphones in 2007, Nokia began to lose ground. The management was reportedly "too conservative" and reluctant to change. Eventually, Nokia fell behind Samsung and Apple within just one year and subsequently, its market value slumped 87% in four years.

Hong Kong manufacturers could take a page from the above two examples. In the past few years, machinery and software developers have already implemented the experience and know-how they gained from the top mold makers to both advanced software and hardware. This transformation allowed companies to easily grasp the techniques of high-end mould design. Manufacturing efficiency has been greatly enhanced by shorter production cycles, resulting in the fast and robust launch of new products. Mould manufacturers who do not chalk up the capital investment would quickly lose the competitiveness and even risk being phased out in the market. In addition, domestic enterprises on the Mainland, nowadays, have also made very impressive progress in both design and marketing competencies. Therefore Hong Kong manufacturers should speed up the development of new technology and explore new business models.

2007年,美國兩位年輕人Eric Friedman和James Park 發現傳感器和無綫科技,可應用於健康及健身的隨身 配備上。他們毅然踏上研發之路,創造出可穿戴式的運 動檢測設備一Fitbit智慧手環,改變我們的生活習慣。 自創業起短短八年,預計2015年銷售額可達17億 美元,市值突破70億。

同樣是2007年,全球手機市場龍頭Nokia,卻面對不一樣的遭遇。隨著iPhone及Android智能手機的興起,Nokia開始從高峰回落。礙於Nokia管理層面對改變過於保守,短短一年,Nokia已遭對手Samsung及Apple超越,市場份額排名跌至第三,2011年市值更比高峰期暴跌87%。

兩個例子,剛好成為今日香港廠商的借鏡。回顧過去幾年,先進設備製造商已將模具業界累積多年的技術轉移 到軟體和機器上,令許多企業更易掌握設計及製造高端 模具的竅門。這些先進設備大大提升效率,縮短生產週 期,令新產品更快上市,掌握先機。倘若模具廠沒有加 緊投資新設備,很快便會損失競爭力,被對手淘汰。再 加上近年國內企業於工程設計及出口推廣上急速成長, 港商更需要加快尋找新技術,開拓創新的營商模式。





To meet emerging challenges, Hong Kong Mould & Die Council (HKMDC) will continue serving the industry by encouraging technology upgrades and innovative design in the industry, supporting specialty products and paving the way for a broader market. We could also seize the opportunities offered by the rise of the innovative industry. We have no doubt that one of the strengths of the mold making industry is having many prominent engineers. They could provide professional and practical advice to accelerate the product development process and launch new products earlier. Nowadays, these innovation companies usually rely on crowd funding to support their operations. Therefore, we have a chance not only participating in product development, but also playing a role as investors. The success of these products brings considerable returns and offers a more diversified business model than "build-to-print".

Since 2009, the US, Europe, Japan, South Korea, Mainland China and even Israel, have continued to strengthen research and development. According to 14th Annual Global CEO Survey, the majority of CEOs in these places believed "Innovation", "Talent" and collaboration with government and innovative partners are the dominant company strategies under the challenges of globalization. Therefore, many incubating funds and technical support platforms have been set up to encourage design and innovative technology. This is also the trend underpinning the future of Hong Kong traditional industries, including the mould and die industry.

In this respect, the Council will foster the objective of embracing innovation and exploring new business opportunities across different industries in 2015-17. We hope to encourage and support members in taking part in product innovation with design companies, opening up a more diversified business model. This would give the mold making industry the opportunity to take part in original design or even branding. Towards this objective, the Council has newly established two sub-committees, namely "Cross Network Committee" and "Public Communications and Social Media Committee", aimed at developing a more efficient and far-reaching social platform. In August 2015, the FHKI has also preliminarily linked up members with local and overseas innovative and design companies to exchange market intelligence at the Pitch Night event at PMQ, catching the IoT (Internet of Things) wave.

面對這個挑戰,模具協會秉承一貫宗旨,致力向業界推廣提升技術及創新的模具設計,協助企業走向更專業的路線,尋找更具前景的市場。適逢目前創新工業迅速冒起,我們亦可以把握機會,參與其中。模具業界其中一項優勢,是擁有許多經驗豐富的模具專才。他們能夠為開發中的產品提供專業意見,加速開發過程,讓產品更快推出市場。現時這些創新企業,多以群眾集資(Crowd Funding)的方式營運,大家除了參與開發外,更可成為投資者。如果產品成功,我們可以獲得更大的成果,改變以往純粹按圖紙加工的運作模式。

自2009年起,美國、歐洲、日本、南韓、中國內地、新加坡、甚至以色列,均不斷強化自主研發及提升產業附加價值。依據「全球CEO調查報告」(14th Annual Global CEO Survey)指出,多數國外CEO認為,面對全球化的挑戰,創新(Innovation)、人才(Talent),以及與政府或創新夥伴的緊密合作,是未來企業進行策略調整的三大重點。因此,各地均設立不同的培育基金、技術支援平台,鼓勵創新科技設計,投入以用户體驗為核心的創新2.0一「物聯網」時代(The Internet of Things)。這亦正正是香港傳統工業,包括香港模具行業的未來方向。

為此,香港模具協會於2015至2017年,以「跨越界限、創新方向、開拓商機」為目標,希望透過參與開發創新產品,引領業界踏出傳統被動的經營模式,將模具行業推展參與原生設計及自家品牌的一員。首先,協會增設了「跨行業網絡委員會」與「傳訊及社交媒體委員會」,以建立更快更廣的社交平台,讓會員主動出去接觸創新設計的企業與人才。2015年8月,香港工業總會更透過在元創坊舉行的物聯網 Pitch Night,開展前期工作,讓模協會員及香港年青的工業家認識本地以及外國的創新企業,抓緊環球物聯網的創新浪潮。



Looking forward, the Council will arrange not only insightful factory visits in China, but also cross-industry events to foster communication. Along with the events, we will also collaborate with innovation and technology organizations, including but not limited to Hong Kong Science and Technology Parks Corporation, Hong Kong Productivity Council, Hong Kong Trade Development Council, Hong Kong Cyberport Management Company Limited, PMQ, Jockey Club Creative Arts Centre and other tertiary institutions. We will also join innovation exhibitions and conferences in the Mainland China and overseas. To embark on communication with innovative industries, we will start a networking platform through social media for members and a variety of innovation companies to collaborate.

Finally, I would like to extend my heartfelt gratitude to fellow members for their unfailing support. It is an honour for me to serve the Council with Vice Chairman Mr. Felix Choi and the new Executive Committee in the 2015-17 term. During this term, the Hong Kong Mould & Die Council will ride the new wave to open up more opportunities for members. Although we may come up against new challenges, we believe we can definitely overcome them with our wealth of experience and that we can grasp opportunities with the unwavering support of the stalwarts in the industry.

未來一年,協會除了一如以往拜訪會員國內廠房,更會 舉辦大大小小的交流活動,為創新企業及模協會員提供 業務配對平臺。展望活動層面能夠由本港的創新科技 機構(如香港科技園公司、生產力促進局、香港貿發局、 香港數碼港管理有限公司、元創坊、賽馬會創意藝術中 心及各大專院校等),延伸至國內及海外的大學、創新 設計展覽及研討會等。協會更會透過社交媒體,作為 會員及各種創新企業的交流平臺,提供更緊密的聯繫。

最後,承蒙各位會員的支持及厚愛,讓我可於2015-17 年度再為模協會員及業界服務。藉此,我感謝副主席 蔡俊傑先生,並新一屆模協的一眾執委,能不辭勞苦 並肩服務會員。今屆,模協將乘著創新的浪潮,迎向 一個更廣闊的領域。雖然前面會遇到許多新的挑戰, 但深信,只要團結一致,懷著無畏無懼的信心,以業界 豐碩的智慧與經驗,定能乘風破浪,抓緊機遇,願與 所有香港模具業界同仁共勉之!







#### **VICE - CHAIRMAN'S STATEMENT**

#### "Across Boundaries; Embrace Innovation; Explore Business Opportunities"

I would like to thank all HKMDC members for your trust and support for electing Dr. Jack Yeung and me to be the Chairman and Vice Chairman of the HKMDC at the upcoming term. Under the outstanding leadership and commitment of my respectful predecessors, the committee affairs of the HKMDC had received a great success over the past 26 years. I wish the HKMDC to be more prosperous. I also look forward to having your continuous support and participation, together taking HKMDC ups a notch in the future.

I have joint the HKMDC since 1997 and have gained a great deal of experiences from participating in wide variety of council's activities. Throughout the process, I have found my goals and directions. Joining the executive committee of the HKMDC for almost 4 years, I have been concentrating on issues associated with membership relations and business developments. I have also learnt from my fellow members on how to be passionate with work; to pursue for professionalism and to be sensitive with the market. All these profound influences trigger my devotion to work at HKMDC wholeheartedly. I hope that with these positive energies help to stimulate the growth and development of the council. Amid with the theme "Across Boundaries; Embrace Innovation; Explore Business Opportunities", the HKMDC will set up five individual Sub-committees under the Executive Committee led by a convener and vice convener. It is shown as follows:

	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	140	TRACTOR DESCRIPTION		
Convener	Patrick Ho	Vice Convener	Maggie Tsoi		
Members	- TY Wong - Ivan Siu - Calvin Tan				
	- To provide the most updated information regarding the corresponding policies to Hong Kong mould and die industry;  - To compile, consolidate and disseminate the latest policies from the PRC government related to the industries;				
Major Duties	To maintain a closed connection with mainland and overseas mould and die councils, and any corresponding units and institutions;				
	<ul> <li>To assist members in developing mainland and overseas affairs, planning co-operation proposals, and organizing activit aboard, such as mainland and overseas study missions and exhibitions.</li> </ul>				
Public Commu	unications and Social Media Commit	tee			
Convener	Daniel Lai	Vice Convener	Jennifer Tsui		
Members	- Thomas Hung - Ben Ng				
			0214144444444444444		
Major Duties	<ul> <li>To facilitate communication with membe</li> <li>To compose the Hong Kong Mould &amp; Die</li> <li>To make good use of new social media to</li> </ul>	Council Annual Publication;			
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Convener	Samson Suen	Vice Convener	Eddie Wong
Members	- Alfred Au - Kong Hon Po - KT Yeung - Leton Lee		
Major Duties	& Plastics)so as to give advice in t		Manufacturing Technology Industry (Tooling, Metals mpetency Standard for mould and die industry.

In the upcoming term (2015-17), we are pleased to have three new elites joining the Executive Council and they are:

- 1) Mr. T Y Wong Co-General Manager, Jetta Co., Ltd.
- 2) Mr. Thomas Hung General Manager, New Well International Metalware Ltd
- 3) Mr. Johnny Wong General Manager, Shing Fung Products Ltd.

Vice-Chairman's Statement

I do have high hopes in these new elites. Not only do they bring in new and innovation ideas, but they also introduce the unlimited creativity for industries advancement. Meanwhile, I strongly encourage the newly join executive committee actively participate in the council's different activities.

Looking back at the past, we had undergone from the "Age of Steam", to "Age of Railway" to "Age of Electronic, Chemical and Vehicle". With the success of the industrialization, which indicating the change of the environment would be much quicker and faster. However, we should not only be satisfied with our prior advantage. The key to success is to "Continuous to change faster than the changes in the environment".

As the current market is experiencing myriad changes, we ought to be well prepared for any scenarios. In my two years tenure, I envisage myself to put in more effort to unite and strengthen the cohesion of the mold and die industry. Through organizing various activities such as study mission and sharing sessions, so as to develop the industry's technical and management skills, as well as upsurge the market competitiveness and reinforce the position of the industry. On the top of this, it is important for us to express our opinions to related departments according to the industry's needs for the sake of support for the policies. It highly increases the impacts on the Mother of the industry, "Mold and Die" on the development of the whole industry.

Last but not least, I wish the HKMDC thriving and your business flourishing! All the best to you!

# 副主席的話

#### 「跨越界限,創新領域,開拓商機」

首先,籍此平台感謝大家對我的信任,支持楊博士和我擔任模協正、副主席。模協過去26年在各前輩的領導下, 會務蒸蒸日上!希望今後和大家的一起經營下,協會能夠更上一層樓。本人公司從97年加入協會至今,獲益良多, 從協會的各種活動中,找到不同的目標和發展方向。近四年加入執委工作,前後分別負責會員關係事務和貿易發展 事務,過程感覺到協會會員對工作的熱忱,對專業的追求,對市場發展的關注。這些同時影響我更多的投入協會 工作,希望這些正能量相互促進,共同發展。圍繞"跨越界限,創新領域,開拓商機"的發展方向,我們把2015-17的新一屆執行委員會分成以下5個專項委員會,分別由2位正、副召集人帶領,其負責範疇及職能如下:

召集人	正: 何柏堅	副: 蔡芷珊
成員	- 黄達仁 - 邵旭桐 - 陳志強	
主要職務	- 與內地及海外模具協會、	政策的最新資訊 府所訂立及修改與業界有關的新政策及訊息 相關的政府及機構單位保持聯繫 展對外事務及籌劃合作方案及協辦兩地活動,如國內及海外展覽、

傳訊及社交如	某體委員會		
召集人	正: 黎潘成	副: 徐詠琳	
成員	- 洪後里 - 吳家仁		
主要職務	- 促進會員溝通,發展更有效的商貿的平台 - 編輯協會的年度刊物 - 利用最新的社交媒體加強協會與會員間之互動		
會員關係委	<b>技會</b>		
召集人	正: 丁錫華	副: 黃俊源	
成員	- 黄嘉文 - 黄文信		
主要職務	以不同的活動加強協會及會員之間的溝通,所舉辦的活動包括: - 會員探訪活動 - 協會周年晚宴 - 國內新春晚會 - 香港模具協會籃球錦標賽		
跨行業網絡	委員會		
召集人	正: 黄嘉文	副: 黄文信	
成員	- 吳家仁 - 梁廣泉 - 歐傑豪 - 冼慧妍 - 何柏堅		
主要職務	- 聯繫不同行業, 定期舉辦跨行業活動, 例如跨行業拜訪活動 - 迎合現時市場發展概況, 與創新設計及生產的企業建立網絡, 緊密聯繫 - 定期舉辦成功案例分享會等活動, 讓業界了解更多有關資訊,拓展合作及發展項目		
教育及技術	發展委員會		
召集人	正: 孫國偉	副: 王耀強	
成員	- 歐傑豪 - 江漢波 - 楊啟泰 - 李煜培		
主要職務	<ul><li>協助教統局制訂製造科技業(模具、金屬及塑膠)行業的資歷架構,並為業界編制模具行業的《能力標準説明》</li><li>促進協會與不同的大專院校合作,為業界培育人才</li></ul>		

2015-17年新一屆的執行委員會,有3位年輕的業界精英加入,他們分別是:

- 1) 鎮泰有限公司 聯席總經理 黃達仁先生
- 2) 新井國際貿易有限公司 總經理 洪俊里先生
- 3) 成豐制品有限公司 總經理 黃俊源先生

希望通過這幾位年輕才俊的加入,能給業界創新的思維、新啟發,加入新意念的元素。同時通過參加模協舉辦的 不同類型的活動,惠及業界,並為新一屆的執委會注入新的力量。

回顧過去工業發展,從「蒸汽時代」到「鐵路化時代」到「電氣、化學和汽車時代」,不斷改變,這説明環境的 改變越來越快,過去的成功不一定是現在的優勢,唯一的成功秘訣是「持續改變要比環境的變化走快一步」。

目前市場瞬息萬變,我們必需做好改變的準備,在任期間,希望能夠更大力度團結模具同業,加強業界凝聚力。 通過考察學習、交流和分享來提升業界的技術和管理水準,增強市場競爭力和提升整體形象。同時根據業界的 需要,向相關政策部門發表意見,促使政策的支持,使工業之母"模具"對工業的發展能夠產生更大的催化作用。

最後, 祝願模協會務蒸蒸日上! 大家生意興隆, 萬事如意!

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跨行業網絡委員會 Cross Network Commit

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18

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# 2015 CHINAPLAS: HONG KONG PAVILION PAVILION 2015 CHINAPLAS 國際橡塑展「香港館」

# HONG KONG PAVILION – T D4EMP\_DESIGN FOR EFFECTIVE MASS PRODUCTION

「香港館」展示「D4EMP — 高效量產模具設計」

今年5月·模協第三年於CHINAPLAS國際檢型展設立「香港館」·成功完成為期三年的「發展品牌·升級轉型及拓展內銷市場的專項基金」(機構支援計劃)項目。

「香港館」載譽重臨廣州CHINAPLAS,以「D4EMP — 高效量產模具設計」為主題,突顯香港模具業的產品、設計及配套如何協助業界有效地大量生產。超過20家香港企業參與為期四天(5月20至23日)的展會,向潛在買家展示香港卓越及專業的模具製造技術及創章。在展覽首日,舉行「香港館」開幕典禮,兩會邀請香港特別行政區政府駐粵經濟貿易辦事處鄧家禧主任作主禮嘉賓,與時任工總主席劉展顯及模協主席楊悰傑博士一同為「香港館」揭幕。





HKMDC presented the third "Hong Kong Pavilion" at CHINAPLAS in May, and completed the BUD Fund project (Organisation Support Programme) with resounding success.

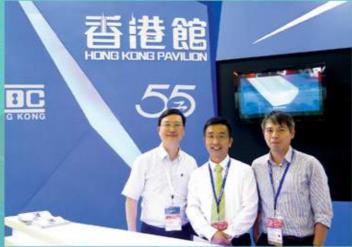
Themed "D4EMP – Design for Effective Mass Production", the Hong Kong Pavilion set up in the Die and Mould zone at CHINAPLAS 2015 in Guangzhou from 20 to 23 of May. It highlighted how Hong Kong mould and die enterprises enhance mass production through excellent quality and higherfective mould and die equipment.

Over 20 Hong Kong mould & die enterprises showcased their excellence, professionalism and creativity to potential buyers. An opening ceremony of the Pavilion was held on 20 May. We were honoured to have Albert Tang, Director of Hong Kong Economic and Trade Office in Guangdong to officiate at the opening of together with former FHKI Chairman Stanley Lau as well as HKMDC Chairman Dr Jack Yeung.

























"In recent years, many manufacturers tend to move up the value chain through automated production, product design, brand building, and R&D. The FHKI has been committed to assisting members in transforming and upgrading, it is glad to see the scale of the Pavilion became bigger and bigger. I believe that Hong Kong mould and die industry players could definitely leverage on the Mainland market to promote their advanced technology and products." The former Chairman Stanley Lau said.

More than 50 guests attended the opening ceremony. HKMOC Chairman Dr Jack Yeung introduced a wide range of exhibits, exhibitors' booths and showcases to distinguished guests. One of the exhibits demonstrated the injection process of three different materials simultaneously and in-mould assembly technology so as to improve the efficiency and reduce the attrition rate.





連續三年出席「香港館」活動的劉主席於致辭時表示:「近年,製造業趙向加強自動化生產、及產品設計、建立品牌及加強科技研發,以增加產值。工總一直致力鼓勵會員企業升級轉型,很高興三年來看到「香港館」的規模越來越盛大。相信香港模具業憑藉高質素的模具定能拓展更多商機。」

「香港館」開幕典禮吸引逾50名嘉賓出席。楊主席更為來賓介 紹館內的展品、各參展商的展位及展品、加深各界對香港模具業 的認識。當中一套展品的模具可實現三種物料同時注塑成形、通 過機械人作模內自動化組裝,大大提升效率及降低損耗率。

楊主席表示:「模具協會一直支持工業自動化,今年更特別於 CHINAPLAS 工業自動化專區展示「個性化鐵射刻字三色放大 鏡」。放大鏡在注塑同時完成模內裝配,減少傳統組裝過程中 的損耗,縮短製作週期,節省成本和達到高品質要求。配合鐳 財雕刻技術,更可製作個性化放大鏡。期望透過展示會員的模 具設計工藝,從而確立香港模具業界的專業形象。」

「香港館」佔地越600平方米·設有展覽廠、香港模具業界展位及產品展示專區。配合主題「D4EMP—高效量產模具設計」,展覽觀展示一系列香港頂尖的機械、模具、零部件及產品,如「多組件模內焊接成型技術—三色恆溫杯」、「多型腔LSR物料—汽車線束塞」等:場內並設有「香港模具業發展回額」展覽、讓內地及海外的業界人士瞭解香港模具業的發展及優勢。

是次項目由工總與模協自2013年起執行,獲得香港特別行政區 政府「發展品牌、升級轉型及拓展內銷市場的專項基金」(機 構支援計劃)撥款,建鎮三年於國際橡型展(CHINAPLAS)模 具及加工設備專腦設立「香港館」、協助業界抓聚嚴內市場的 機遇。2013及2014年分別於廣州及上海CHINAPLAS中展示及 推廣香港模具業頂尖的機械、模具、模具設計、模具零部件及 成品,藉此提高業界及本港企業於內地市場的知名度。





Dr Yeung said: "HKMDC supports industrial automation. The "3-component Magnifier with Laser Engraving" is showcased at Industrial Automation Zone at CHINAPLAS. It runs with in-mould assembly which can reduce defect rate, shorten the cycle time, reduce costs and optimize the quality. Added with the laser engraving service, tailor-made magnifiers can be made. By showcasing members' advanced technology and products, HKMDC hopes to show visitors the design capabilities of Hong Kong enterprises so as to reinforce the professionalism of the industry."

The over 600-square-metre "Hong Kong Pavilion" covered a display gallery, members' booths and members' showcases. In parallel with the theme this year, the display gallery showcased array of top mould mechanics, mould, components and products, such as "Multi component in-mould welding technology- 3 component insulated cup" and "Multi cavitation LSR part-Automotive Sealing Plug". The "Retrospective Exhibition of Hong Kong Mould & Die Industry" was staged in the gallery to display brand products by Hong Kong mould and die enterprises.

With the support from the "Dedicated Fund on Branding, Upgrading and Domestic Sales" (Organisation Support Programme) of the Government of the Hong Kong Special Administrative Region, this project, implemented by the FHKI and HKMDC, was to set up "Hong Kong Pavilion" at CHINAPLAS for three successive years started from 2013. In 2013 & 2014, the Hong Kong Pavilion were set up at CHINAPLAS in Guangzhou and Shanghai respectively to showcase and promote a diversified series of advanced technology, mechanics, design, components and products of Hong Kong. This aimed at reinforcing the position of the Hong Kong mould and die industry in the Mainland.







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#### 內部培訓

培訓中心可根據企業的需求,為企業度身訂造合適的培訓課程。本 中心過去多年曾為多家本地與內地大中小企業安排內部培訓‧地區包括 香港、深圳、東莞、廣州、佛山及惠州等。課程包括商業法律、稅務與 會計、營銷及市場、人力資源、溝通技巧及生產與物流等。中心的資深 培訓導師擁有廣泛的行內經驗、課程深受業內人士歡迎。因此我們所提 供的內部培訓課程·必能配合個別企業的需要





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# FHKI HOPES TO HELP BUILD AN INTELLIGENT CITY

工總冀助打造智慧型城市

Contributed by Hong Kong Industrialist

資料提供:《香港工業家》

香港的工業以往依靠大規模的生產降低成本,時至今日,科技 發展迅速,全球經濟面對新挑戰,這種方法已無法幫助企業在 環球競爭中取勝。故此,工業界可以考慮將現代技術應用於傳 統生產中,比如生產智能玩具、智能家具等。

Hong Kong industries used to rely on mass production to reduce costs, but nowadays such an approach can no longer help them win in face of rapid technological development and new global economic challenges in this competitive world. Therefore, the industrial sector could consider applying modern technologies in traditional productions, such as producing intelligent toys and smart furniture.

#### 香港工業如何應用科技轉型升級

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工總科技發展委員會(委員會)主席譚偉豪博士指出,除了提高生產力,企業還可以用科技發掘新市場,尋覓新的銷售管道,例如利用電子商務平台實施網購。香港企業利用最新的科技平台,銷售具有科技含量的產品,才會取得成功。

## How Hong Kong industries can upgrade and transform through the application of technology

Dr Samson Tam said, the Chairman of the Federation of Hong Kong Industries' Technology Development Committee (the Committee) pointed out, "Apart from improving productivity, enterprises can use technology to explore new markets and find new sales channels. For example, they can tap into e-commerce and build online shopping platforms. Hong Kong enterprises will succeed if they sell technological products on the latest technology platforms."





譚博士說:「科學園內聚集了許多創業公司,這些公司有許多新的理念、產品和發明。我們積極地與科學園聯繫,希望能將 創業公司的新理念應用於工業中。此外,我們還和發明家協會 合作舉辦宣講會,讓發明家向業界人士介紹自己的發明。這些 活動增加了發明家的成果商品化的機會,亦幫助業界透過應用 新發明提高生產力。我相信,舉辦的活動越多,產生的契機就 越多。」

香港以往經歷了兩個階段,先後為工業化和商業化;而未來, 鑒於科技發展日趨智能化,香港將會在科技的推動下發展成為 智慧型城市,在智慧型城市中,科學和技術將提高經濟和生活 各方面的效益。

科技的發展離不開硬件和人才。譚博士說:「香港是一個非常 開放的國際化大都市,硬件水平居於全球領先地位;至於人才 方面,是否有足夠人才將香港推動為智慧型城市,則是政府應 該考慮的課題。」

隨著科技對經濟的影響越來越大,香港政府意識到不能單一地 發展金融業,而應該順應趨勢,將香港發展為智慧型城市和創 新中心。如果要成功地將香港發展成智慧型城市、將香港打造 為智慧城市的世界品牌,首先,政府必須將香港定位為『創新 中心』,只有豎起『智慧城市』、『創新中心』這面大旗,才 能將世界各地的創新人才吸引來港,發展科技產業作為新的經 濟增長點,提升我們的國際競爭力。 Dr Tam said, "The Science Park gets together many start-up companies, which offer many new ideas, products and inventions. We proactively keep contact with the HKSTPC with a view to assisting start-up companies to adopt new ideas in their production. Besides, we also held a seminar with Hong Kong Invention Association to let inventors introduce their inventions to industrial players. This event increased the chances of commercialization of those inventions and help the industrial sector enhance their productivity through the application of new inventions. I believe that more events will spark more opportunities."

Hong Kong has experienced the stages of industrialization and commercialization successively. As technologies are becoming increasingly intelligent, Hong Kong will be developed into an intelligent city in future under the drive of technology. Science and technology will enhance the overall efficiency of every aspect of the economy and living in intelligent cities.

Technological development is closely connected with facilities and talents. In this regard, Dr Tam said, "Hong Kong is a very open international metropolis with world-class facilities. As for talents, the Government needs to consider if there are enough people to develop Hong Kong into an intelligent city."

With the growing impact of technology on the economy, the Hong Kong Government realizes that the city can no longer rely solely on the development of the financial industry but we should follow the trend to turn Hong Kong into an intelligent city and an innovation centre. If we want to successfully turn Hong Kong into a world-class intelligent city, first of all the Government needs to position the city as an 'innovative city'. Only by positioning Hong Kong as an 'intelligent city' and 'innovative centre' can Hong Kong attract talents from all around the world to develop technology industries to create a new impetus for economic growth and enhance our competitive edge.

他續說,香港的工業家比較保守,不顧冒險或嘗試新事物。現時,香港缺少天使投資者,故此,委員會計劃推廣天使投資的 文化,鼓勵工業家成為天使投資者,促進科技的發展。委員會 希望發揮橋樑作用,尋找更多合作夥伴,比如有關天使投資、 發展智慧城市等方面的協會,讓會員與這些協會的會員建立長 期穩定的合作關係。

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He continued, "The industrialists in Hong Kong are comparatively conservative and are reluctant to take risks or try new things. Now there are not many angel investors in Hong Kong. Thus, the Committee plans to promote the culture of angel investment to encourage industrialists to become angel investors and foster technological development. The Committee has been dedicated to act as a bridge for the industries; we hope that we can find more working partners such as angel investors and groups on developing intelligent city, so as to let members build long-term partnerships with members of these groups."







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資料提供:《香港工業家》



未來出路 珠三角港商

珠三角港商挑戰中求變

面對自2008年金融海嘯後的各種挑戰,珠三角的香港廠商在營運策略方面作出了不少改變。香港工業總會(工總)遂進行調研,探討香港廠商採取的應變方法,以及他們和香港未來的機遇。

#### 調研背景

香港廠商過往依賴的歐洲及美國消費市場持續不景氣,加上內地 多項不斷變化的因素,如人民幣升值、民工短缺、生產成本上升及 國家政策調整,均令珠三角港商的經營日趨困難。工總在2015年2 月公布的最新調研結果顯示,自金融海嘯後,港商於珠三角投資設 廠活動顯著下降,跌至八十年代以來的低點。

是項名為《珠三角製造:香港工業未來的出路》的調研,聚焦自 2008年以來珠三角港商的經營狀況及商業模式,藉此瞭解他們面 對的難題,並窺探香港工業未來的出路。調研共獲641家廠商回 應於去年3月至12月進行、兩輪分別於香港及東莞的問卷調查,並 同時舉辦焦點小組及深入紡談,邀請廠商及其他行業持份者就現 況及未來計劃提出意見、並對推動香港工業發展作建議。工總自 2002年來定期就珠三角製造業作調研,是項調研由滙豐工商金融 和香港理工大學(理大)贊助,為工總發表的第四份同類報告。



Faced with numerous challenges since the 2008 financial crisis, Hong Kong manufacturers in the Pearl River Delta (PRD) region have reshaped their business strategies. Federation of Hong Kong Industries (FHKI) has conducted a research on what measures these manufacturers have adopted and where the opportunities for them and Hong Kong lie.

#### Research Background

Abroad, the lacklustre European and United States' consumer markets Hong Kong manufacturers once relied on are still far from a full recovery. In the neighbouring Mainland, many changing factors, such as the Renminbi appreciation, the shortage of workers, soaring production costs and the Government's policy adjustments, have made even keeping up their businesses in the PRD an uphill task. Latest research report released by the FHKI in February 2015 reveals that the level of investment and factory establishment activities by Hong Kong-funded manufacturing enterprises in the PRD has hit rock bottom since the financial crisis, reaching its lowest since the 1980s.

The research, titled Made in PRD Study – Hong Kong Industry: The Way Forward, looked into the operational conditions and the mode of business of these enterprises since 2008, with the aim of gaining a better understanding of the challenges they are facing and exploring future directions for the development of Hong Kong's industries. A total of 641 manufacturing enterprises responded to the two rounds of survey questionnaires conducted in Hong Kong and Dongguan between March and December 2014. Focus group sessions and in-depth interviews were also held during the period, inviting manufacturers and other stakeholders to give their views on the current situation, their future plans and suggestions on promoting development in the industrial sector. Since 2002, the FHKI has been carrying out research into the manufacturing sector in the PRD on a regular basis, and the Study, sponsored by HSBC Commercial Banking and The Hong Kong Polytechnic University (PolyU), is the fourth similar research report published by the Federation.

#### 港商投資珠三角放緩

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調研結果顯示,在珠三角的港資製造企業數量,從高峰期的55,000間大幅下滑至2013年的32,000間。2001年後,隨著香港製造業基本完成北移,廠商在珠三角的投資步伐減慢;2008年後全球經濟不景,港商在珠三角投資設廠的步伐進一步放緩,在受訪的641家港商中,只有約百份之八於2009年後成立,顯示香港廠商在當地的投資影響力正在收縮。

同一時間,受訪廠商的員工規模普遍下降。根據深入訪談所得資訊,香港廠商在珠三角勞工短缺及最低工資不斷上升的雙重壓力下,普遍縮減員工規模,平均減員三分之一;考慮到部份港商在經濟衰退時結業離場,估計港商現時在珠三角只聘用約450萬至500萬名工人。

對於增加在珠三角的投資,香港廠商反應並不熱烈,逾四成廠商 表示會維持在珠三角的投資規模不變,約四分之一廠商則持觀望 態度。



#### Slackening Investment in the PRD

The findings show that the number of Hong Kong-funded manufacturing enterprises in the PRD has shrunk from its peak of 55,000 to 32,000 in 2013. Since 2001, Hong Kong manufacturers, with their basic completion of northbound production relocation, have slowed down their pace of investment in the PRD, and a further drop can be seen after the global economic downturn in 2008. In fact, of all the 641 responding enterprises, only eight per cent were established after 2009 – a figure that marks a major decline in Hong Kong manufacturers' investment and their influence in the region.

The research also reveals that the size of labour force employed by the respondents has generally fallen. Information obtained from the in-depth interviews shows that most Hong Kong manufacturers in the PRD, beset with labour shortage and the continuing increase in minimum wages, have reduced their size of workforce, hiring one-third less on average. Considering the fact that some enterprises had wound up their businesses during the recession, it was estimated that only 4.5 million to 5 million workers are now being employed by PRD's Hong Kong manufacturers.

At the same time, respondents have demonstrated a tepid response towards stepping up investment in the PRD, with over 40 per cent of them saying their investment level in the region will remain the same and one quarter indicating they will adopt a wait-and-see attitude.

#### 挑戰中求變

調研結果顯示,企業經營成本全面上升,其中以勞工成本的上漲情 況最為明顯,逾九成回應廠商表示勞工成本增加,當中逾三分之一 表示增編為21%至40%。政府税費是港商面對的另一挑戰,而持續 攀升的物流及能源成本亦是他們須要應付的難頭。

人力資源方面的挑戰並不止於成本上升,勞動力供應、勞資關係、 勞工法規和稅費等亦為棘手議題。逾七成廠商表示珠三角勞工短 缺情況在近年越趨嚴重,另有部份廠商表示《勞動合同法》增加了 勞資糾紛的頻率。

在勞工短缺的壓力下,廠商明顯增加設備投資,尤其是增加採購內 地設備,並逐漸從勞工密集轉向資本密集營運模式。逾半受訪廠商 在金融海嘯後,積極採取措施推動企業轉型升級;最多企業選擇管 理創新作為轉型升級路徑,而改善人力資源管理是管理創新中最 普遍的選擇。

誠然,自2008年以來,珠三角港商的經營狀況出現了不少變動。香港廠商在自身的經營壓力、加上內地政府的轉型升級措施扶持下,明顯地調整了企業的經營策略,包括提高對研發創新的投資、推動企業轉型升級、增強市場營銷活動以及展開產業轉移活動。

#### Changes amid Challenges

Research results show that manufacturers have encountered a surge in overall operating costs. Among these costs labour expenditures have risen most significantly, with over 90 per cent of the respondents saying they are paying higher wages and over one-third of them having experienced a 21 per cent to 40 per cent increase. Government taxes and fees are also complicating Hong Kong manufacturers' operation, and these manufacturers have to contend with the problems of climbing logistics and energy costs as well.

The challenges in human resources are not limited to rising costs, but also on other thorny issues including labour supply, labour relations, regulations and tax charges. Over 70 per cent of the respondents have noticed a worsening labour shortage in the PRD in recent years, while some say the Labour Contract Law has raised the frequency of labour disputes.

Amid labour shortage, manufacturers have substantially boosted their investment in equipment, especially of Mainland origin, and are shifting gradually from a labour-intensive system to a capital-intensive mode of operation. Over half of the manufacturers say they have been actively engaged in upgrading and transformation of their enterprises in the wake of the financial crisis, with most of them opting to promote innovation in management for bringing about such changes. The most popular choice for developing innovative management is to improve human resources control.

Indeed, Hong Kong manufacturers have undergone since 2008 plenty of changes in their operation in the PRD. Under their own operating pressure and with the supportive measures for upgrading and transformation of the Mainland Government, manufacturers have obviously revised their business strategies. These adjustments include increasing investment in research and development (R&D) and innovation, promoting the upgrading and transformation of enterprises, expanding marketing activities and starting to relocate production.

#### 香港功能轉變

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調研指出香港作為港商中轉港的角色正在減弱。與2008年相比, 港商取道香港進出口貨物的比例有所下滑,並正轉移香港的進出 口功能予內地;同期,港商全部採購內地原料的比例呈上升趨勢, 他們與香港物流及生產服務體系的互動正在減弱。

不過,調研亦顯示不少港商除將產業轉移至廣東以外的內地省份 及其他國家外,回流香港亦為他們的熱門選擇;相對地,廣東省對 製造廠商的吸引力正在降溫。廠商的產業轉移較多在2008年以後 發生,他們較多將高增值及高端的生產程序轉移返香港。2008年 前產業轉移的目的地多為廣東省及內地其他地方;但是,2010年後 產業轉移的目的地則變為東南亞國家、甚至香港,反映珠三角企業 營商環境自該年後越趨嚴峻。回流的產業大多屬勞勵密集型企業, 成衣、紡織和玩具製造乃主要的轉移產業。另外,大部份進行產業 轉移的受訪港商均採用部份轉移模式,反映他們仍以珠三角作為 主要生產基地,並以當地的工廠支援及協調位於海外的分支。

#### **Shifting Functions of Hong Kong**

Hong Kong's role as an entrepot for manufacturers is diminishing, the research has discovered. Compared with 2008, the ratio of manufacturers importing and exporting their goods via Hong Kong has decreased, and manufacturers are shifting related procedures to the Mainland. At the same time, the ratio of manufacturers procuring all raw materials from the Mainland has increased, reflecting a weakening in the connections between Hong Kong manufacturers and the city's logistics and production services system.

However, the findings also show that Hong Kong, along with provinces outside Guangdong in the Mainland and other countries, has become a popular destination for production relocation, while Guangdong itself is losing its appeal to manufacturers. Such relocation happened mostly after 2008, and manufacturers often move their value-added and high-end production procedures back to Hong Kong. Before 2008, most enterprises relocated their production to Guangdong and other places in the Mainland. Since 2010, however, their relocation destinations have shifted to Southeast Asian countries and even to Hong Kong, indicating the grim business environment in the PRD from the year onwards. Manufacturers that have conducted relocation are largely from labour-intensive industries, such as garment, textiles and toy production. Relocations of these enterprises are mostly of a partial nature, suggesting that most Hong Kong manufacturers still use the PRD as their production base to support and coordinate overseas branches.

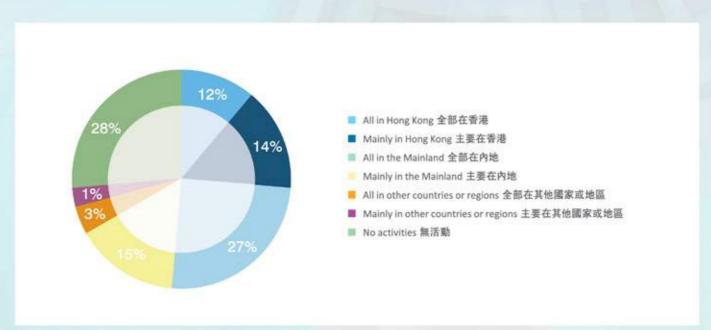


圖1:受防企業進行科研及設計工序的地區

Graph 1: Locations of R&D and design activities of the responding enterprises in the survey

至於研發方面,約四成廠商表示他們全部或主要在內地進行研發和設計活動,約四分之一廠商則全部或主要在香港進行相關活動。 值得一提的是,不少廠商表示他們傾向把研發活動回流香港,顯示 香港的研發基建對廠商具一定吸引力。

香港作為受訪廠商的發源地,一如以往在廠商籌集資金發展內地 業務時擔當重要角色,近七成回應廠商表示完全運用香港或非內 地資金發展業務,表示使用香港銀行體系貸款的廠商則佔37.9%。 企業利潤、銀行貸款及股東注資是企業融資的重要途徑。香港銀 行及金融體系對廠商的融資及貸款活動提供很大幫助,而這些活 動亦同時將廠商與香港生產服務體系緊扣。 On the aspect of R&D, around 40 per cent of the manufacturers say they conduct all or most of their R&D and design activities in the Mainland, while roughly one quarter of the respondents do so in Hong Kong. It is worth noting that a considerable number of respondents are inclined to move these tasks back to Hong Kong, suggesting that the city's advanced R&D infrastructure is favoured by manufacturers.

Hong Kong, as the origin of the surveyed manufacturers, is still regarded as the major source of capital for developing their businesses in the Mainland. Nearly 70 per cent of the respondents use Hong Kong or non-Mainland capital entirely for their business development, and 37.9 per cent have obtained loans from Hong Kong's banking system. Company profits, bank loans and extra capital from shareholders are the major ways for manufacturers to raise capital. Such overwhelming preference for raising funds via Hong Kong indicates that the city's banking and financial systems have played a prominent role in manufacturers' borrowing and financing activities, and that these activities are still binding these manufacturers closely to Hong Kong's production services system.



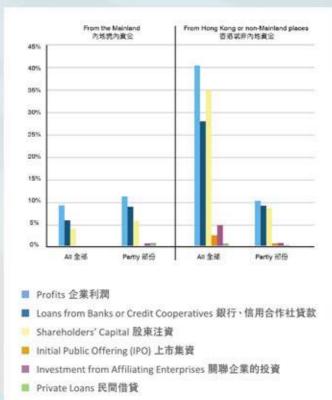


圖2及3:受訪企業籌集資金的來源地

Graph 2 and 3 : Major source of capital for developing businesses of the responding enterprises in the survey

38 | HKMDC ANNUAL PUBLICATION 2015-16

#### 未來展望

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加強自動化生產及改良產品設計是最多廠商選擇的未來三至五年 的主要經營策略,各佔回應廠商41.2%。逾三成廠商表示會加強建 立品牌,同時亦有近三成廠商指會加強科技研發活動,例如增加 研發開支及增聘相關人才。

市場策略方面,加強開拓發達國家市場(如歐美日-45.8%)、內 銷市場(44%)和新興市場(如東盟、中東-39.3%)是較普遍的 選擇;相反,廠商對發展中國家市場(如南美、非洲)則較多持觀望 態度。

#### **Looking Ahead**

Augmenting automatic production and improving product design are the most prevalent operational strategies among the surveyed manufacturers for the next three to five years, each accounting for 41.2 per cent of the responses. Meanwhile, over 30 per cent of the respondents say they will put more efforts in brand building. For R&D in technology, nearly 30 per cent of the manufacturers have expressed an interest in expanding related activities, by means such as raising expenditures and hiring more experts in the field.

For market strategies, the most popular choices among the surveyed manufacturers to further expand their markets in are developed countries (such as European countries, the United States and Japan - 45.8 per cent), the Mainland (44 per cent) and emerging countries (such as countries of ASEAN and in the Middle East - 39.3 per cent), However, there is a moderate, wait-and-see attitude towards markets in developing countries (such as countries in South America and Africa).



香港廠商現時仍以出口市場為主,內銷活動偏低;不過,近半企業表示會在未來加強內銷。在進行內銷的廠商中,逾九成都以廣東省作目標市場,其次是消費力同樣較強的華東市場;相對地,內陸市場的覆蓋率較低。另外,有進行內銷的廠商中,近七成表示採取直銷渠道,而採用網上購物平台的內銷模式亦呈上升趨勢。

針對製造業回流香港的議題,受訪香港廠商表示勞動成本高企(近九成受訪廠商)及勞動力不足(近七成)是他們回流香港的最大障礙;土地供應是工業回流香港的第二大挑戰,近半企業表示土地不足和相關成本高。能源議題、產業配套不足及營商環境不穩均為廠商回流香港的制約因素。同時,近四成廠商表示政府缺乏工業發展和支援政策,亦有近三成指政府規管越趨繁複,或令有意回流的廠商卻步。

對於香港政府應如何促進本地工業發展,廠商提供多項建議,包括 加強工業人才培訓、向研發活動提供税務優惠、協助企業發展內 銷、支援中小企融資、以及改善產業配套。 Although most respondents are still aiming at overseas markets and the level of domestic sales remains low at the moment, nearly half of the surveyed manufacturers state that they will boost sales in the Mainland in the future. Over 90 per cent of those that conduct domestic sales have been targeting the Guangdong Province, followed by the Eastern China region which also possesses a high purchasing power. On the other hand, the inland market is of less interest to the surveyed manufacturers. Of the respondents who conduct sales in the Mainland, 70 per cent are selling directly to consumers. An upcoming trend of manufacturers adopting online buying platforms can also be expected.

The prospects of relocating production to Hong Kong come not without uncertainties. Most surveyed manufacturers consider high labour costs (nearly 90 per cent of the respondents) and local manpower shortage (nearly 70 per cent) as the most formidable obstacles to moving back to the city. Land supply is the second greatest challenge to such relocation, with nearly half of the respondents saying land supply is insufficient and land costs are high in Hong Kong. Energy issues, inadequate ancillary facilities and unstable business environment are also the restraints facing these manufacturers. Meanwhile, respondents say the lack of local industrial development and supportive policies from the Hong Kong Government (nearly 40 per cent) and its increasingly complicated regulations (nearly 30 per cent) could hinder the progress of relocation.

In response to how the Government should promote industrial development, manufacturers have proposed several measures they deem important, including strengthening industrial talent training, introducing tax concessions for R&D activities, assisting enterprises in the development of domestic sales, supporting the financing of small-and-medium enterprises and enhancing the support for industries.

Executive Summary of the Research Report:

調研結果摘要:



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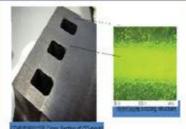
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- 高頻爐淬火 High Frequency Induction Hardening Process
- 鋁合金材料之固溶及時效處理 Solution and Aging treatment for Al. allov
- 精密模具、高合金工具鋼尺寸穩定性及減低殘留沃斯田體之超深冷處理 To minimize the residual Austenite by use of Super Sub-Zero process can maintain the dimension stability of high precision mould and die.
- 材料金相分析 Micro-Structure analysis (defect analysis)
- 光譜分析成份 Spectrum and Composition Analysis
- 激光燒焊(模具維修)及應力消除處理 Laser welding (mould maintenance) and stress release
- 表面鍍鈦處理(改善模具工具壽命) PVD coating (Tool life improvement)
- 注塑模具纤焊 Plastic mould brazing

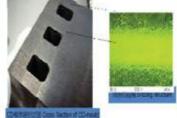
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#### UPGRADING AND TRANSFORMATION **ARE KEYS TO SUCCESS**

升級轉型 致勝之道

珠三角地區的港資企業利潤空間收窄,經營壓力沉重。有見及此, 香港生產力促進局(生產力局)數年前開始推行「珠三角港資企業 升級轉型輔導計劃」,成功協助一些製造業企業尋找出路。

#### 走高增值路線

珠三角地區經過多年的急速發展,土地和人力資源開始短缺,因此 內地政府推動產業調整作為應對措施,不少傳統企業須面對艱難 抉擇:升級、轉型或遷移。

香港生產力促進局總裁麥鄧碧儀說:「香港工業的成長一直得力於 珠三角地區成熟及具效率的供應鏈,它由環環相扣的上、下游企業 集聚而成,為廠商提供優質原料、零件和配件,利便採購生產,令 他們以相宜價格快捷地完成訂單。」

麥鄧碧儀續闡釋: 「另一方面,如企業遷移到內陸省市或東南亞雖 或可以帶來成本優勢,但供應鏈風險、尚待改善的基礎建設、以及 工資的長遠上升壓力、都會削弱這項優勢。所以、業界只求減省成 本,並非良方,反而應尋求方法以提升生產力、競爭力及持續發展 能力。

事實上,在珠三角地區維持經營的港資企業之中,為數不少透過轉 型升級,使業務得以持續發展。根據香港工業總會於2月發表的《 珠三角製造研究系列(四)一香港工業未來的出路》調研結果,超 過一半受訪企業於2008年世界金融危機後,積極推動轉型升級, 其策略包括但不限於管理創新、加強產品設計和研發,以及建立 品牌。

麥鄧碧儀表示: [一般而言,企業升級是指透過流程或技術提升, 例如實施自動化、優化生產和改善管理,從而提高效率及減省 成本。轉型是指開拓業務新領域,例如原設計生產和自有品牌生 產,走高增值路線;雲關注的範疇有產品設計、科技研發、品牌和 內銷。我們期望廠商在業務上增值,由微笑曲線的中間向左右兩端 Hong Kong enterprises operating in the Pearl River Delta (PRD) region are having their profit margins squeezed amid mounting operating pressure. Against this backdrop, the Hong Kong Productivity Council (HKPC)'s Enterprise Upgrading and Transformation Subvention Scheme, which was launched a few years ago, has successfully assisted a number of manufacturing companies in finding their way out.

#### Move Up Value Chain

After years of rapid development in the PRD region, the shortage of land and human resources has become more acute. Thus, the Mainland Government promotes the policy of industrial restructuring to cope with the situation. Many traditional industries are facing a hard choice: to upgrade, transform or relocate.

Mrs Agnes Mak, Executive Director of Hong Kong Productivity Council, said, "The growth of Hong Kong industries in the PRD region has been driven by a sophisticated and efficient supply chain, which is supported by interconnected upstream and downstream businesses agglomerating in the area. Such a supply chain provides a reliable source of quality raw materials, product components and accessories at an affordable price for manufacturers to efficiently deliver their orders."

"On the other hand, relocating to an inland province or municipality of the Mainland or Southeast Asian countries may bring cost advantages but this could be offset by risks of a broken supply chain, the yet-to-be improved infrastructure and upward pressure on wages in the long run. Therefore, cutting production costs alone is not the best solution. Instead, industries should find ways to enhance their productivity, competitiveness and sustainability," Mrs Mak explained.

In fact, many Hong Kong enterprises in the PRD have adopted industrial upgrading and transformation to sustain their business. According to the research findings of the Federation of Hong Kong Industries's Made in PRD Study IV - Hong Kong Industry: The Way Forward released in February, over half of the surveyed enterprises have been actively promoting upgrading and transformation following the global financial crisis in 2008. Their strategies included but were not limited to innovation in management, enhancing product design and research and development (R&D) capabilities, and brand building.

"Generally speaking, industrial upgrading refers to process or technology improvements, which can be achieved through strategies such as automation, production optimization and enhancement in management. It aims to raise efficiency while reducing production costs. Business transformation, on the other hand, refers to the shift towards original design manufacturing (ODM) and original brand manufacturing (OBM) in a bid to move up the value chain. It involves areas such as product design. R&D, branding and domestic sales. We hope that Hong Kong manufacturers can add value to their operations and move upward along both ends of the 'smile curve'," Mrs Mak commented.





工總於2015年2月公佈《珠三角製造研究系列(四)一香港工業未來的出路》 網研結果

The FHKI released in February 2015 the research findings of Made in PRD Study IV - Hong Kong Industry: The Way Forward.

微笑曲線由宏碁電腦創辦人施振榮首先提出,它以圖表顯示價值 鏈上不同業務的增加價值。微笑曲線的兩端分別指上游業務(設 計及研發)和下游業務(市場推廣和品牌),而中間則是中游業務( 製造)。微笑曲線的理想樣式顯示上、下游業務有較高增加價值。

#### 支援工業

有見廠商對升級轉型的需求,生產力局於2009年起開展「珠三角 港資企業升級轉型輔導計劃」。該計劃獲東莞市、惠州市及珠海市 政府資助,由生產力局向當地的港資企業提供評估及諮詢服務,以 達到就地升級轉型的目的。

能昌數碼科技(香港)有限公司(龍昌)為其中一家參加計劃的公司,其集團業務為設計、研發、生產及銷售玩具、消費電子產品及 商用廚房產品。 The smile curve, first proposed by the founder of Acer, Stan Shih, is a graphical demonstration of the increase of value of various components of the value chain. One end of the smile curve refers to upstream activities (design and R&D) and the other end downstream activities (marketing and branding). The middle of it refers to internal/ midstream activities (fabrication). An ideal smile curve indicates the higher value-added activities at both ends.

#### **Supporting Industries**

Against the backdrop of manufacturers' needs for upgrading and transforming their business, the HKPC launched the Enterprise Upgrading and Transformation Subvention Scheme (the Scheme) in 2009. Funded by Dongguan, Huizhou and Zhuhai Governments, the Scheme provides Hong Kong enterprises operating in these cities with assessment and consultancy services from HKPC consultants, to assist them with in-situ upgrading and transformation.

Lung Cheong Digitech (HK) Co Ltd (Lung Cheong) is one of the participating companies under the Scheme. The group has been engaged in the design, R&D, manufacture and sales of toys, consumer electronic products and commercial kitchen products.

能昌的東莞廠房在生產力局協助下,引入國家公布的卓越績效評 價準則GB/T 19580-2012。龍昌董事總經理梁鍾銘說:「這項國 家標準訂明了領導、戰略、顧客及市場、資源、過程管理、測量、分 析、改進,以及結果的評價要求,加快公司轉型升級。」

梁鑩銘説:「我要在員工當中培養成果為本的思維,為此與生產力 局合力引進目標訂立、實施和評估系統。」在龍昌的廠房,生產線 附近的告示板會張貼評估結果,提醒有關部門作出即時措施,以達 致目標。

過去50年,集團由原設備生產,轉型至原設計生產,以及自有品牌生產,其出口市場由地區伸展至全球,並開拓內銷。梁鍾銘續說: 「如果沒有良好管理去減少風險、善用資源,根本無從發展這些新路向。」

#### 原設計與自有品牌生產

良好的產品設計會說故事,能承載人們的希望和理想。梁鍾銘道: 「我們用超過10年時間培育人才、加強設計和技術,以進行原設計 生產。我們用心分析出口市場的需求及趨勢,得以開發原創的設計 方案。例如,美國的兒童喜歡棒球、足球和一些動畫人物為主題的 玩具。」

「進行原設計生產能擴大利潤空間,優勢明顯。如果國際品牌 商贊同我們的原創產品,通常都願意支付多些,而且不會是小批量 訂單。」

集團於2002年收購Kid Galaxy Inc,是投入自有品牌生產的重要 一步,因為它可利用後者在產品開發、品牌和擴展銷售渠道的經 驗。事實上,早於2000年,集團已開始以品牌產品開拓內銷,其中 的一個製成品是供學生自行設計和裝配機械人的教育產品。 With HKPC's assistance, Lung Cheong introduced at its Dongguan factory the "Criteria for Performance Excellence GB/T 19580-2012" promulgated by the state. C M Leung, Managing Director of Lung Cheong, said, "This national standard prescribes the assessment requirements with respect to leadership, strategies, customers and market, resources, process management, testing, analysis, improvement and results. This helps expedite the upgrading and transformation of a company."

"I hope to establish a results-driven culture amongst our staff. The HKPC and I work together towards this end by setting and implementing targets and introducing an evaluation system," C M Leung said. In Lung Cheong factory, evaluation results are posted on the notice boards near the production lines to remind departments concerned to take immediate actions to meet the targets.

Over the past 50 years, the group has transformed from original equipment manufacturing (OEM) to ODM and OBM, extended its export from the regional market to the global market, and explored domestic sales. "This cannot be achieved without mitigating risks and optimizing resources by better management," C M Leung said.

#### **ODM** and **OBM**

A good product design tells a story that carries people's wishes and aspirations. "We took more than 10 years to nurture talent, as well as enhancing our design and technology capabilities, so as to engage in ODM. Much effort was devoted to analyzing the needs and trends of export markets to develop original design solutions. For example, children in the United States are fond of toys featuring baseball, football and animation characters.

"The advantages of ODM are obvious as reflected by the higher profit margin. If international brands commend our original products, they are usually willing to pay more for the products. And the orders have not been small ones," he continued.

The Group's acquisition of Kid Galaxy Inc in 2002 is a milestone in engaging in OBM because it can capitalize on the latter's experience in product development, branding and expanding sales channels. In fact, as early as in 2000, the Group started to explore the domestic market with its branded products, an example of which was an educational kit for students to design and assemble their own robots.



他說:「有創意,就有生意。我們的教育機械人適合幼稚園至大學 的學生。以我們的研發能力,加上與香港及內地兩地研究機構合 作,龍昌開發了作娛樂和家居用途的機械人。」

#### 評估及諮詢

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麥鄧碧儀指,在「珠三角港資企業升級轉型輔導計劃」下,生產力 局會詳加審視申請企業的優勢,例如成本、品質、創新、交付和靈 活性,以制訂最合適的升級轉型方案。

現時逾250家製造業企業(包括塑膠、五金、製衣和電子)參與該 計劃。他們多數以資訊科技管理、自動化和管理創新作為策略。

麥鄧碧儀解釋道:「資訊科技管理包括使用雲端技術、大數據和實 時生產管理系統。自動化是以控制系統取代人手進行某些生產程 序,例如組裝和測試。管理創新是指在產品開發和內部管理引入 原創意念。」

生產力局的顧問會進行差距分析,了解要達致策略目標的理想表現水平,以及其與現時表現水平之間的差距,從而制訂即時、中期和長期的行動計劃。

麥鄧碧儀分析説:「在參與企業之中,約七成尋求升級,三成轉型。 他們大部份都想作中,長期投資。」

「策略方案包括快速生產、精益生產和清潔生產等各個範疇的專家,幫助製造業企業升級。快速生產令廠商更有效率地處理大量小批量訂單,生產周期可縮短至一至兩個星期。精益生產可理解為減少浪費,例如員工如能應付多個工序,就可透過靈活調動員工,縮減生產線上的等候時間,更合乎成本效益。」

至於該計劃的成效,她說,參與企業的營運效率一般而言可提 升三成。 "Creativity opens up business opportunities. Our educational robots target students from kindergartens to universities. With our R&D capabilities, as well as collaboration with research institutes in both Hong Kong and the Mainland, Lung Cheong has also developed robots for entertainment and household purposes," C M Leung said.

#### **Assessment & Consultancy**

Mrs Mak commented, "Under the Enterprise Upgrading and Transformation Subvention Scheme, HKPC consultants thoroughly assess the strengths of each applicant company, be they costs, quality, innovation, delivery and flexibility, to formulate a tailor-made upgrading and transformation strategy for it."

To date more than 250 manufacturing companies, including those in the plastics, hardware, garment and electronics industries, have participated in the Scheme. Most of them have adopted information technology management, automation and innovation management as their strategies.

"Information technology management includes the use of cloud technology, big data and real-time production management system, while automation involves replacing certain manual production processes, such as assembly and testing, with automated control systems. Management innovation, on the other hand, refers to originality in both product development and internal management," Mrs Mak explained.



龍昌數碼科技(香港)有限公司董事總經理梁鍾銘 C M Leung, Managing Director of Lung Cheong Digitech (HK) Co Ltd



生產力局為廠商提供評估及諮詢服務
The HKPC provides manufacturers with assessment and consultancy services

#### 製造商的夥伴

麥鄧碧儀強調企業在升級轉型期間所需的決心和合作精神。企業 初時可能因加工訂單下降,急切謀求改變,但太聚焦即時改變,就 容易忽略問題根源。一旦業務有增長,或問題稍為改善,他們就對 之前訂下的策略和行動計劃興趣大減。所以企業必須持之以恆,才 能成功升級轉型。

而且,任何行動計劃都需要全體員工參與;若員工對經濟環境及消費者需求有不同理解,他們或不了解升級轉型的迫切,以致不認同要轉變。

HKPC consultants will conduct gap analysis for each company to understand the difference between its ideal level of performance and where the company currently stays, with a view to formulating immediate, medium and long-term action plans with a clear goal in sight.

"Amongst the participating enterprises, about 70 per cent of them pursue upgrading strategies and 30 per cent transformation strategies. The majority of them aspire to make middle- and long-term investments," Mrs Mak said.

"The strategies include quick response and lean manufacturing to cleaner production, all of which can support manufacturing companies in industrial upgrading. Quick response manufacturing enables manufacturers to cope with an influx of small orders efficiently in a shorter production cycle of one to two weeks. Lean manufacturing can reduce wastage in the broad sense, for example, by eliminating waiting time on the production line and enhancing cost-effectiveness by flexible deployment of workers who are capable of doing various types of tasks."

On the effectiveness of the Scheme, Mrs Mak said that the participating enterprises on average have enhanced their operational efficiency by 30 per cent.

#### Partner of Manufacturers

Mrs Mak emphasised the determination and teamwork needed in successful upgrading and transformation. In the beginning, enterprises may be eager to seek changes due possibly to a decline of processing orders. But if they just focus on immediate improvements, they may overlook the root of the problem. Once they see growth in their business or their problem being slightly alleviated, they may not be so enthusiastic towards implementing the strategies and action plans set before. The spirit of persistence of enterprises is crucial for their successful upgrading and transformation.



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生產力局有關精益生產的研討會 Photo 4: A seminar on lean manufacturing held by the HKPC

麥鄧碧儀總結說:「我們作為製造商的夥伴,會深入認識企業運作,提供準確的根因分析,以及升級轉型的利弊。我們會與管理層 頻密地交流市場資訊及行業發展趨勢,加強他們推行應變策略的 決心。另一方面,我們鼓勵企業讓員工參與有關工作小組,令所有 層級的員工都清楚明白升級轉型的理念。」 In addition, any action plan requires participation of all staff members. Some of them may not be aware of the urgency of upgrading and transformation because they hold different views towards the economic environment and customers' demands. Therefore they may not recognize the need for a change.

"As a valued partner of manufacturers, the HKPC looks deeply into the operations of the enterprises concerned with a view to providing an accurate analysis of the root cause, as well as the benefits and drawbacks of upgrading and transformation. We also communicate frequently with the management on market information and industrial trends to strengthen their determination in implementing the strategies. On the other hand, we encourage enterprises to engage staff members in the related task forces so that employees at all levels can have a clear understanding of the rationales behind upgrading and transformation," Mrs Mak concluded.

# FROM MANUAL TO AUTOMATIC: CHINA'S NEXT VEHICLE FOR MANUFACTURING GROWTH

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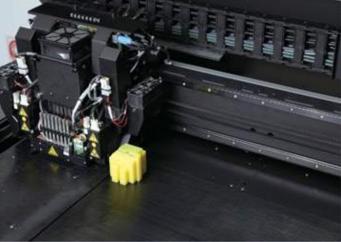
自動化:中國製造業未來方向

Contributed by Hong Kong Industrialist 資料提供:《香港工業家》

在工資水平不斷上升及勞動年齡人口收縮的環境下,中國製造業的低勞動成本競爭優勢漸減,促使行業積極轉向自動化生產。匯豐銀行今年7月發布的一份分析報告顯示,中國已於2013年取代日本成為全球最大工業機械人市場,去年更進一步佔下全球銷量四份之一1。

With the diminishing of its competitive edge in low labour costs, China's manufacturing sector has in recent years turned to automation to cope with spiralling wages and a dwindling working age population in the country. In 2013, China replaced Japan as the world's largest market for industrial robots and accounted for a quarter of the units sold worldwide last year, an HSBC research report released in July this year shows<sup>1</sup>.









香港生產力促進局自動化科技部首席顧問慕明博士

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Dr Ge Ming, principal consultant to the Automation Service Division of the Hong Kong Productivity Council

自動化於中國製造業的重要性日增、惟現時中國平均每10,000名 工人只擁有30台工業機械人,相比國際平均數字62台仍有一段距 離,工業發達的德國、數字更是中國的十倍。不過,該報告同時指 出,國內機械人數字自2013年起以年均29%的升幅增長,與國際 平均數字的差距將會快速收窄。不少跨國自動化公司正積極開拓中 國市場,瑞士機械人巨擎ABB於去年單在中國的營業額就達到58 億美元,並正計劃在全國逾100個城市提高銷售目標2。

香港生產力促進局自動化科技部首席顧問萬明博士指,在內地經 營的香港企業近年對先進自動化的需求持續上升:「現今做自動化 有許多挑戰,消費者追求個性化產品,廠商生產的貨品因而款多量 少,若一種自動化設備,例如機械人,只能製造一種產品,必然會 限制製造過程及產品的多樣性。」

While automation is gaining momentum in the world's leading merchandise exporter, the same report indicates that China's current industrial robots to workers ratio, 30 per 10,000, remains remarkably low compared with the global average of 62. Robotic density in industrialized Germany is ten times higher. That said, the research estimates that with a 29 per cent average annual growth rate in the number of robots since 2013, the gulf is meant to be narrowed - in a galloping fashion. Indeed, multinational automation companies, including Swiss robotics conglomerate ABB which raked in USD5.8 billion worth of revenue in China in 2014 alone and is reportedly planning to raise sales in over 100 Chinese cities<sup>2</sup>, are fast expanding their business on the soil of the manufacturing powerhouse.

Dr Ge Ming, principal consultant to the Automation Service Division of the Hong Kong Productivity Council which provides consultation and training assistance to the city's manufacturing enterprises, says the organization is witnessing a burgeoning demand for advanced automation from local firms operating across the border. "There are a lot of challenges to adopting automation nowadays," he says. "Due to the trend of product personalization, products of more types but fewer units are being manufactured. If a piece of automation equipment, such as a robot, produces only one good, no doubt it will put limitations on manufacturing process and product diversity."



除機械人外·自動化亦包含數碼化生產管理。實力機械有限公司執 Apart from robots, automation also concerns digitalized production 行董事黎啟東指,為迎合各個市場的不同需要,很多商品現時以小 批量而非大批量產出。智能及自動化管理可讓企業對市場轉變作 出即時反應·使生產更靈活。企業可透過WiFi技術將生產數據中央 化,甚至在手機上控制生產過程,提升企業管理能力。

#### 應用漸趨廣泛

中國製造企業在工資上漲下一直探尋工人以外的其他選擇;與此 同時、機械人的回本期正普遍下降,吸引更多企業作考慮。匯豐銀 行的報告指,中國製造業的責質工資在2004至2013年間毎年平均 增長14%,而機械人回本期則從2008年時的十年,顯著下降至現 時約2.3年。另外,由工總委託、香港理工大學進行的《珠三角製 造一香港工業未來的出路》研究報告顯示,超過四成在珠三角地區 經營的受訪製造企業,在薪酬支出持續攀升下,選擇以自動化為未 來五年內的主要經營策略3。

黎啟東説:「我們的客户現時多希望在兩年或更短時間內為機械人 回本。一個能負重七至十公斤的一般六軸機械人現在只需約20萬 港元·較以往便宜得多,以同等投資額來說,以往的回本期最少需 要四年。

management. As more final goods are now made in small batches instead of huge quantities to cater for the varying needs of different markets, an intelligent, automated management could allow a swift response to market changes and vastly improve production flexibility, says Robert Lai, managing director of Pro-Technic Machinery Ltd. "For instance, by centralizing production data using Wi-Fi technology or monitoring the production process on a mobile phone, management capacity can be greatly enhanced," adds Mr Lai.

#### **Growing Application**

China's manufacturing sector is constantly looking for alternatives to workers because of the ever-rising wage levels, at a time when the payback period of robots is generally shortening. The HSBC report shows that China's manufacturing real wage increased by 14 per cent a year between 2004 and 2013, and calculates that robots now pay for themselves in only about 2.3 years, down significantly from a decade in 2008. Meanwhile, a Hong Kong Polytechnic University study, Made in PRD Study IV - "Hong Kong Industry: The Way Forward"3, commissioned by the FHKI, notes that in the face of a swelling payroll, over 40 per cent of the surveyed Hong Kong manufacturing enterprises running in the Pearl River Delta region have made automation their primary business strategy within the next five years.

"Most of our customers nowadays want to recoup the costs of robots in two years' time or less," says Mr Lai. "A general-purpose six-axis robot which can carry a weight of seven to ten kilograms costs less than HKD200,000 and is much cheaper than it used to be. The payback period back then for the same amount of investment was at least four years."

勞動年齡人口下降是另一推動企業應用或加強自動化的主要因素。國家統計局數據顯示,2014年16至59歲的勞動年齡人口比 2013年減少了371萬人,是2012以來連續第三年減少,統計局官員 亦形容「勞動力供求結構發生了新變化」。黎啟東舉例說,以兩班 計、若一個機床能取代兩至三個工人,企業便有很大誘因去考慮以 機械代人。

現時中國工業機械人市場由汽車製造業主導,據企業策略顧問公司Solidiance統計,行業現時佔去全國高達一半需求。然而,技術進步並非只有大型汽車製造商受惠,中小企業事實上亦廣泛應用機械人。現時很多香港中小型廠商都有份參與如製造發動機、連接器及座椅部件等的汽車製造下游工序,並將自動化應用到生產過程中。其他行業如手錶及醫療設備製造等,對自動化的需求亦與日俱增。部分如涉及打磨、化工或高溫的高危或污染性工序,由機械人接手更為合適,許多人手密集型企業客户,亦積極推動自動化以提升生產效率。

#### 「中國製造2025」

去年6月,國家主席習近平在一個場合上,向出席的科學及工程專家表示在「機器人革命」下,中國需要提高其機械人的水平。內地政府自此推出一系列政策,以回退增值税和直接補貼等支援自動化生產企業,並透過税收減免幫助採購企業。今年5月,國務院公佈「中國製造2025」策略,規劃出引導國內製造業步向自動化、資訊科技及環保的十年路線圖。

「中國製造2025」強調推動自動化的迫切性,而同樣議題事實上亦早受發達工業國家關注。德國政府推出「工業4.0」藍圖,鼓勵智能工廠及生產的發展,以現代機械人及資訊科技為發展重點;美國於2011年推行「國家機器人計劃」,目標是將機器人塑造成經濟貢獻中的重要一環,並令它們「與人類合作,擴關及加深人類工藝」7;在亞洲,日本及南韓均有制訂國家計劃以推動新世代製造。

The contracting working age population in the Mainland further encourages enterprises to start employing or augmenting the scale of automation. According to China's National Bureau of Statistics, the country's working age population, between 16 and 59, shrank in 2014 for the third consecutive year since 2012 by 3.71 million, a reduction described by a Bureau official as a "new structural change to the demand for and supply of labour force". When a machine tool manages to replace two to three workers on the basis of two shifts a day, Mr Lai cites as an instance, manufacturers are tempted to ponder the possibility of such a substitution.

At the moment, the automobile sector tops China's industrial robot market as a consumer, placing as many as a half of the country's orders, corporate strategy consultancy Solidiance has discovered. But it is not only the large-scale carmakers that are benefiting from technological advances — the application of robots has well expanded to smaller enterprises too. Many small and medium Hong Kong manufacturers have taken up 'downstream' procedures such as the production of motors, connectors and car-seat component parts, and they utilize automation to help with their production. Some other manufacturing sectors, such as watch and medical equipment production, have seen an increasing demand for automation as well.

Some highly dangerous and polluting procedures involving polishing, chemicals or extreme heat are better done with robots. Labour-intensive industries are keenly pushing forward automation to make their production more efficient.

#### Made in China 2025

In June 2014, President Xi Jinping told an audience of national scientific and engineering elites in the times of an "industrial-robot revolution", the country had to "raise the level of its robots". Since then, a number of policies have been rolled out to support automation makers through value-added tax (VAT) refunds and direct subsidies and purchasers through tax reductions. About a year later, the "Made in China 2025" strategy was announced by the State Council in May, which draws a ten-year roadmap that guides the country's manufacturing sector to automation, information technology and greener production.

In fact, the imperative necessity of an automation-boosting plan, underscored in Made in China 2025, is mirrored in industrialized countries. The German government has laid out the Industrie 4.0 blueprint for building more intelligent factories and facilitating "smart production", where modern robots and information technology are bound to play a pre-eminent role in the process. In 2011, the United States launched the National Robotics Initiative to turn robots into a key economic enabler that can "work with humans to extend and augment human skills". Back in Asia, both Japan and South Korea have devised nationwide programmes to promote next-generation manufacturing.



「中國製造2025」規劃提及九大戰略任務,包括提高製造業創新能力及推進資訊科技與工業融合,為中國改革經濟的眾多舉措之一,而規劃重點推動的十大產業領域,則包括新世代資訊科技及數控機床和機器人。萬明博士指,中國決心為製造業轉型升級,採取「騰籠換鳥」的政策,鼓勵沿海地區部分低端產業轉移至東南亞國家;在國家層面上,中國政府負責制定大方向,鼓勵技術研發和創新創業,並培育重點行業和企業,而在省市層面上,不少地方政府已開始提供稅務減免、低息貸款及技術改進資助等優惠,以推動自動化生產。

In Made in China 2025, the nine major strategic missions, including lifting the innovative power in manufacturing and blending information technology and industrialization, are yet another example signifying the country's attempt to restructure its economy. Next-gen information technology and digitalized machine tools and robots are among the ten industrial domains featured in the strategy that will be substantially developed. "China is determined to transform and upgrade its manufacturing sector and is adopting a policy of 'emptying the cage for the new birds'. Some low-end industries located in coastal areas are now encouraged to move to Southeast Asian countries," says Production Council's Dr Ge. "At state level, China has established general directions and has been promoting research and development and nurturing key industries and enterprises. At provincial and municipal levels, measures such as tax reduction, low-interest loans and technology subsidies have also been driving automated production."

#### 未來十年

中國希望將其競爭對手由低勞工成本地區,轉為直接面對高技術工業國家,黎啟東認為十年是一個合理時間,使中國在技術水平上能從後趕上。在企業層面上,葛明博士指自動化不只關乎生產設備投資,亦會為營運模式、員工及管理上帶來轉變,因此企業需審視自己產品的特性、生產流程、員工技能水平及消費市場趨勢,以決定工序的自動化程度和實施方法。

隨著技術進步,汽車買家於不久將來能在手機上訂造全面個人化 的產品,或許不是天方夜譚。科技水平提高能使相關成本變得相 宜,「一指造車」於未來可能不再是空想。

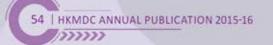
#### The Decade Ahead

When China aims to race not with cheap labour regions but advanced industrial countries, the challenge for it is to close the technological gap with its new competitors, Mr Lai says. "Ten years," he reckons, "is a reasonable time frame [to achieve so]."

For individual enterprises, automation entails not only investment in production facilities, but also changes to a company's business model, workforce and management, Dr Ge points out. Therefore, they have to review their products' characteristics, flow of production and workforce's skill levels, as well as the prevailing consumer trends, to determine to what extent they should upgrade their manufacturing process and how they should implement it, be continues.

As technology improves, car buyers may be able to fully customize their purchases with just a tap on the phone sometime in the future. With a fully automated production line, manufacturers, he says, may no longer find it costly to help to do just that.

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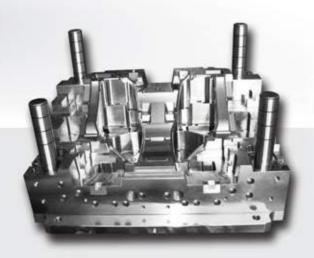
- ▶ 大水口系統模架
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#### DESIGNING FROM THE INSIDE OUT

#### 創新設計 從內到外

Contributed by Hong Kong Industrialist

資料提供:《香港工業家》

當低價比拼不再是長遠之策,企業開始意識到將設計融合於產 品功能及日常營運上,才能為業務帶來突破。

#### 設計之重

本要求。工總副主席及香港設計委員會主席嚴志明說:「時下 產品皆有質素,問題是在這前提下,我們還有什麼可以把自己 的產品與他人的產品區分出來?」他指現時很多香港廠商仍採 用代工生產運作模式,並沒有投入自己的設計。忽視設計的問 頭亦慢慢浮現。

南韓娛樂產業蓬勃、周邊地區文化深受其影響、嚴志明以此為 例,指設計生態同時對當地近年的經濟發展有莫大貢獻—在當 地政府支持下,南韓音樂及戲劇興起,並帶動時裝、化妝品及 其他相關產品的盛行;一連串相關產業亦因熱潮而急速發展, 帶來龐大經濟效益。他們不只著眼於價格競爭,更探索高增值 領域以建立獨有優勢、領先其他對手。

有注重設計的思維,才能有創意產業。」

When racing to the bottom has become unsustainable, enterprises start to realize breakthroughs can only be brought about by incorporating design into how their products function and how their businesses are operated.

#### **Design Matters**

Good product quality, once the deciding factor framing consumers' preferences, is now nothing more than a threshold to earning their appeal. "Products these days are all of high quality," says Eric Yim, FHKI Deputy Chairman and Design Council Chairman. "The question is, given this, how can I still differentiate mine from the others'?" Many Hong Kong manufacturing enterprises, as he observes, are still running as original equipment manufacturers (OEMs) like they did in the past, with no design input of their own in production processes. Ignoring design has hung them in the balance.

Citing South Korea, whose booming entertainment industry has exerted massive cultural influence in the neighboring regions, Mr Yim says an ecology of design has indeed contributed to the country's rapid economic development in recent years. The rise of "K-pop" and Korean dramas, undergirded by the government, has driven the subsequent popularity of fashion, cosmetic and other related products. A string of other industries has also flourished because of the hit, yielding substantial economic benefits. Instead of relying solely on price competition, enterprises in the country have carved a unique edge by exploring value-added areas, thus gaining an upper hand over other competitors.

"We hope to encourage more enterprises to value design and nurture creativity," Mr Yim says. "There is a creative industry only if there is a mind









不少人會將設計與物件美觀與否劃上等號,但嚴志明認為,設計並不止於「繡朵花、換隻色」。他謂:「設計亦關乎解決問題,如有一個問題未有方法可以解決,而你因此而創造一樣東西,不論是產品、服務或體驗,去應付這道難題,這也是設計。」

一間擁有D廖認證的迷你倉公司,為顧客提供市場上少見的增值服務,就為一例。嚴志明說:「很多迷你倉只提供地方作儲物之用,該公司卻同時是一個為網上購物而設的鎖櫃。」該迷你倉為網購買賣雙方預先儲存貨物,買家購物後只需向迷你倉提供供應商給予的代碼,就能取得貨品。嚴志明說,該公司「跳出框框」、「不斷有創新思維」,因而獲得認證。

嚴志明指,無形設計可伸延至企業營運及顧客體驗,亦可以是 為顧客帶來與別不同的印象:「以不同形式營銷、以新模式管 理、或將營運程序簡化等,設計可以是以一套能為公司帶來最 高價值的不同理念。這亦可是安排一班員工向顧客打招呼、又 或在百貨公司內設旋轉電梯等。」

設計公司 Chocolate Rain,其精品見售於倫敦大英博物館,旗下卡通角色廣受歡迎,並成功與不同本地及國際品牌和非政府機構合作。作為一間由小規模做起的企業,創辦人及創作總監 麥雅端未有忘記創業初期經營手作產品的辛酸,而這亦促使她於中環「元創方」租下空間設立一個設計集中地,以低於該黃金地段的市價,分租予未能負擔高昂租金的小型品牌。

麥雅端說:「年青人現在最多只能租『格仔舖』或工廈內的一個檔攤,我知道他們的挑戰與我當初面對的一模一樣,所以我希望給他們一個小天地發揮。」除此之外,她亦不時在「元創方」及外間商場辦市集,讓本地人才有更多機會展示作品。



#### More than Its Look

To many, design is a word equivalent to making something look beautiful. But as Mr Yim defines it, the word can mean far more than "embroidering flowers and switching colours." "Design is also about solving problems," he adds. "When there is an issue without a proper solution, and you create something new to address it – be it a product, a service or an experience – that is design as well."

A D-Mark holding mini-storage business, for instance, presents its customers with value-added services seldom seen on the market. "While many others in the field simply provide a space for people to put things in, the company also serves as a "locker' for online shoppers," says Mr Yim. Buyers can receive the goods they have ordered online upon presenting a code given by suppliers to the company, which stores the goods for both parties in advance. The company, he notes, earns its recognition by "thinking out of the box" and "continuously coming up with fresh ideas."

Intangible design can extend to business operation and users' experience. "By applying different approaches to marketing and sales activities, introducing new models to management, or simplifying a business process – design can be about using a different mindset to generate the highest values for companies", Mr Yim suggests. And about leaving impressions – from "greeting customers with a group of staff" to "having a spiral escalator inside a department store" – that distinguish an experience from the others.

Chocolate Rain, for instance, has its collections sold at the British Museum in London. The design company's widely acclaimed cartoon characters have earned it numerous projects with local and global brands and nongovernmental organizations, leading to its success. Having started the business small selling hand-made products, Prudence Mak, founder and Creative Director of Chocolate Rain, has not forgotten the difficulties she faced during the early stages – which is why she has set up a hub for youngsters in her leased area at PMQ, a complex for local creative industry in Central, to bring in small design brands which would have otherwise shun the prime area because of the formidable rents, for a below-market sum.

"Youngsters today can only, at best, rent a small consignment store or a little spot in factory buildings," says Ms Mak. "I know that they are having the same challenges as I did, and so I want to give them a room to develop." She also holds plea markets, both at PMQ and shopping malls outside, giving local talent more opportunities to exhibit their works of art.



Chocolate Rain 創辦人及創作總監麥雅端 Prudence Mak, founder and Creative Director of Chocolate Rain

#### 企業文化

嚴志明相信,發問「為什麼」能激發及孕育概念,所以在其辦公室家具業務上,他經常鼓勵員工重新思考事物的本質。在 挑戰這條簡單卻能刺激思維的問題時,意想不到的效果或會出 現。有一次,他的工作團隊正嘗試為用家帶來具樂趣、並可用 於室內室外的新穎椅子;他回憶道:「但市面上已有很多座 椅,為什麼要多造一張?然而,我們留意到很多人在椅上坐了 一段長時間後,都會本能地換坐姿。」故此,他們引進了一張 用家可在上面以不同姿勢旋轉、由塑膠物料造成的陀螺椅。他 指,這張沒有椅腳、沒有滑輪的陀螺椅並非設計過程的目標, 反而是源自一條問題的結果:「為什麼座椅一定要有椅腳?」

要建立重視設計的企業文化,管理層必須先踏出第一步。嚴志明說:「他們要明白設計是一項投資。若一間企業只做人人皆做的東西,它就很容易被市場淘汰。若連管理層也不重視設計,想必然下屬亦不會。」他指無論規模大小,企業都可透過轉用設計人才及將設計理念傳遍公司,開拓商業機會。

#### Corporate Culture

"Why?" is a brainteaser that sparks and nourishes design ideas, Mr Yim believes. In his own office furniture business, he frequently asks his staff to rethink why something is as what it is. By challenging this simple yet often mind-triggering question, some brilliant outcomes can catch a company by surprise — there was one occasion when his team was trying to bring customers a fun sitting product that could be used both indoors and outdoors. "But why make one more chair when there is already a bunch available out there?" he recalls. "We noticed that most people, after sitting for a long while, would squirm out of instinct." Thus, the team introduced a spinning-top-shaped plastic chair on which people could rotate with different body positions. The legless and wheelless chair, he says, was not the aim of the design process, but instead the result of an idea that emerged from the question: "Why do chairs have to have legs?"

To build a corporate culture that embraces design, it is the management that needs to take the initiative. "They have to understand that design is an investment," Mr Yim remarks. "If an enterprise is doing the same thing as everybody does, it may easily get kicked out of the market. If the management does not value design, nobody down the hierarchy will do so either." He says enterprises, be they big or small, can unlock business potential by having the management enlist design talent and communicate its vision thoroughly with its staff.

#### Reference:

D-Mark places no restrictions on which fields applicants are from. Apart from companies specializing in illustration, graphic design and interior design, the Scheme has also drawn, since its soft launch last year, a variety of different businesses including toys, cooking utensils, jewellery, household furniture, optical products and wristwatches. So far over 30 enterprises have been certified with D-Mark in recognition of their commitment to integrating design into multiple aspects of operation.

#### 參考資料:

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D廖並沒有限制申請公司的行業種類,除了插畫、平面設計及 室內設計外,D廖自去年初步推出以來亦吸引不同性質的企業 申請,包括玩具業、廚具業、珠寶業、家具業、眼鏡及手錶業 等。目前,已有超過30間企業承諾融合設計於多個業務 並因此獲得認證。

#### 企業於申請D嘜時須作六項承諾,包括:

- 透過設計政策及管理,由過程到成果尊重設計及保護知識 產權;
- 聘用或外判工作給本地或外地的設計師;
- 對設計作短期及長期投資;
- 內外推廣設計的重要性;
- 與外界分享設計專業知識;及
- 鼓勵設計合作。

設計委員會將為D嘜持有人定期舉辦設計研討會及活動,亦會 與它們配合、透過加強本地及海外的推廣提升公眾對設計的認 引更多企業參與認證。希望更多香港企業將設計視為 一個重要產業,以更多創新意念及產品帶動香港的設計氣氛 使香港最終成為設計之都。

請瀏覽D嘜網站



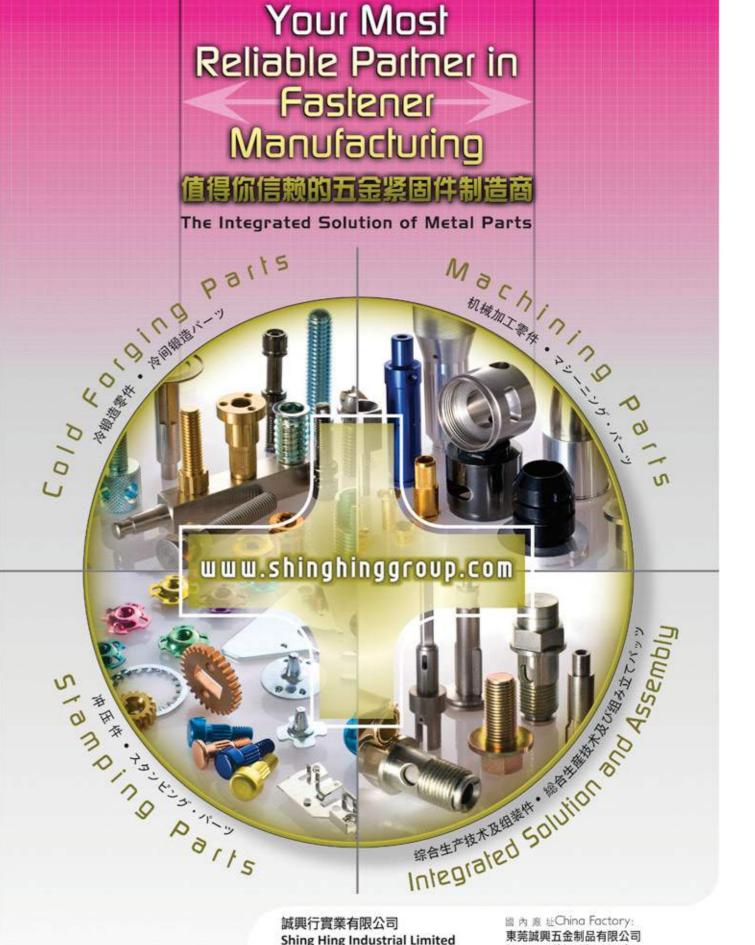
#### When applying for D-Mark, enterprises have to make six main pledges, namely:

- to respect design and protect intellectual property rights from process to outcome through design policies and management;
- to engage designers, foreign or domestic, in-house or independent;
- to invest in design in both the short and the long term;
- to promote the importance of design internally and externally;
- to share design knowledge and expertise with others; and
- to encourage design collaboration.

Seminars and activities on design will be held regularly in the future for D-Mark holders. The Design Council will also boost its promotional efforts, both in Hong Kong and overseas, in collaboration with existing D-Mark holders to raise public awareness on design and engage more enterprises in the Scheme. The Design Council is looking forward to having more innovative ideas and products, Hong Kong can create an atmosphere which helps the city ultimately evolve into a capital of design.

Please visit the D-Mark website







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# CE: GOVERNMENT PROVIDES SUPPORT TO HIGH VALUE-ADDED INDUSTRIAL PROCESSES

行政長官:政府為高增值工序提供支援

Contributed by Hong Kong Industrialist 資料提供:《香港工業家》

行政長官梁振英在一月中發表《施政報告》,工總 及模協很高興邀請到梁特首向會員講述其經濟理 念,尤其是推動本地新興工業及增加人力供應的 策略。

Chief Executive (CE) C Y Leung delivered the latest Policy Address in mid-January. The Federation of Hong Kong Industries (FHKI) and HKMDC are pleased to have invited Mr Leung to share with FHKI members for the third consecutive year his economic visions, in particular the strategies for developing local emerging industries and increasing manpower supply.



工總連續第三年邀請梁振英向工總會員講述其經濟理念 FHKI have invited Chief Executive C Y Leung to share with FHKI members for the third consecutive year his economic visions

64 | HKMDC ANNUAL PUBLICATION 2015-16

工業界一直促請政府擴闊香港經濟基礎,避免過度倚賴金融及服務行業。近來,愈來愈多工業家有意將部分高增值業務遷移返回香港。對此,特區政府會否擔當便利的角色?

作為特區首長,我認同香港要繼續壯大固有的龍頭產業,並培育新的產業,豐富產業內容,做到百業興旺。我主持的經濟發展委員會 (經委會)自2013年成立以來,一直就如何擴闊香港經濟基礎及 促進香港經濟增長及發展的整體策略和政策的前瞻性方向,進行 深入討論及研究。而經委會的四個工作小組已陸續就支援個別行 業發展的政策和措施提出具體建議予經委會通過,以供政府考慮 及落實執行。

就工業回港發展而言,政府認同把資源投放於有優勢或發展潛質 的行業的高增值或高技術工序。政府致力提供支持,包括透過提 供硬件和軟件的支援(如香港科技園及「創新及科技基金」),推 動本地創新及科技發展;舉辦各種活動和提供資訊,深化業界對品 牌發展的認識;以及透過香港貿易發展局推廣「香港品牌」,並提 供平台讓香港企業展銷產品等。政府對能有效發展經濟的方案均 持開放的態度,亦樂於聽取業界對所需的利便措施的看法。

《施政報告》涵蓋多項增加土地供應的措施,供住屋及商業用途, 甚至設想要重新規劃工業土地。政府有否忽略可助經濟基礎多元 化的現代工業對土地的需求?

工業是香港經濟的重要支柱,亦與香港的整體發展密不可分。政 府一直留意市場的趨勢,並提供合適的框架支援,以利便香港工業 的發展。

我明白業界希望能向多元化的現代工業發展,而工業用地亦要相應 作出配合。然而,香港的土地資源有限,因此,我們必須把珍貴的 土地資源地盡其用。我們在考慮為不同產業提供土地時,須同時考 慮相關產業能否把握機遇,由現時可能較低增值的作業模式向高 端運作轉型,以發揮最大的經濟發展潛力。

為配合香港工業和相關產業的最新發展,規劃署已於2013年3月 底展開全港工業用地分區研究,有關檢討預計於2015年第1季內 完成。 The Industry has urged the Government to diversify Hong Kong's economic base to avoid over-reliance on financial and service sectors. Recently, more and more industrialists have shown an interest to move part of their high value-added operation back to Hong Kong. Will the Government play a facilitating role on this matter?

I agree that Hong Kong needs to continue expanding our existing lead industries and fostering new industries to achieve diversification. The Economic Development Commission (EDC) I led personally has been conducting in-depth discussion and study since 2013 on the visionary direction on the overall strategy and policy to broaden Hong Kong's economic base and to enhance Hong Kong's economic growth and development. The four Working Groups of the EDC have progressively submitted specific recommendations on the policy and measures for supporting individual industries for the EDC's endorsement, and for the Government's consideration and implementation as appropriate.

On the relocation of industries to Hong Kong for development, the Government agrees with investing resources in the high value-added or high-technology processes of industries with competitive edges or development potential. The Government will offer support, including providing hardware and software support, for example, through the Hong Kong Science and Technology Parks Corporation and the Innovation and Technology Fund, to promote local innovation and technological development; organising different programmes and providing relevant information to deepen industries' knowledge about brand development; and through the Hong Kong Trade Development Council, promoting "Hong Kong brands" and providing a platform for Hong Kong enterprises to showcase their products. The Government is open to proposals which can effectively promote economic development, and is keen to listen to the views of the industries concerned on the facilitative measures needed.

The Policy Address covers measures to increase the supply of land for housing and commercial use, and even envisages rezoning industrial land for such purposes. Has the Government overlooked the need for industrial land use for the development of modern industries to diversify our narrow economic base?

The industrial sector is an important pillar to Hong Kong's economy. It is inseparable from the overall development of Hong Kong. The Government has closely observed the market trend and has been providing appropriate institutional support in order to facilitate the development of industries.

I understand the sector would wish to move towards developing modern industries with a diversified portfolio, and the industrial sites would have to match with the development. Nonetheless, the land resources in Hong Kong are limited. Hence, we have to maximize the potential of these precious land resources. When considering land supply for individual industries, we need to take into account whether the industries concerned could take the opportunity to upgrade its existing low value-added operation mode to a higher niche, so as to enhance their development potential.

To align with the latest development of industries and industrial activities in Hong Kong, the Planning Department has been conducting Area Assessment of Industrial Land since end-March 2013 and the whole study is expected to complete in the first quarter of 2015.



此外,為配合社會發展的步伐,城市規劃委員會不時按社會及經濟發展需要檢討及修訂規劃,包括法定圖則上土地用途的定義。現時法定圖則上「工業用途」的定義,較一般的「工廠」的定義寬闊,涵蓋與工業工序有關的部分用途,以及相關工序的訓練、研究、設計與發展、品質管制及包裝等。

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我們會繼續致力以多管齊下的策略,善用現有土地及開發新增土 地,以應付社會持續發展的土地需求。

工總支持放寬海外/內地專才輸入計劃的建議,但往往「魔鬼就在 細節之中」。可否透露詳情?

我在今年的《施政報告》提出,就現行各項人才入境計劃推出優化 措施,以面對人口老化及勞動力下降的挑戰。

舉例來說,根據「一般就業政策」或「輸入內地人才計劃」獲准來 港就業的人士,其首次以僱傭身份入境的逗留期限可由12個月放寬 至24個月,或根據其僱傭合約的有效期限而定,以較短者為準,而 其延長逗留期限的模式亦會由2-2-3年放寬至3-3年或根據其僱傭 合約的有效期限,以較短者為準。我們亦會推出一項試驗計劃,吸 引已移居海外的中國籍香港永久性居民的第二代回港。

我期望各項措施有助為香港企業帶來更多優秀人才。

政府長遠財政的可持續性備受關注。政府將會怎樣提升香港的 競爭力,以能夠承擔施政報告中提及多項有關經濟及社會民生的 措施?

政府一向着重提升香港的競爭力,並採取多重策略。在人口政策方面,為應付預期的人口老化及勞動人口下降,人口政策督導委員會剛發表了報告,公布了一系列的措施以釋放本地勞動潛力、培育本地人力、更積極招攬外來的人才和專才等。在政府的財政可持續性方面,長遠財政計劃工作小組於去年三月發表的報告,認為香港的財政狀況在短、中期仍然穩健。

To keep pace with the development of society, the Town Planning Board would review and revise the planned uses, including the definition of "Industrial Use" on the statutory plans, from time to time based on the prevailing social and economic needs. The current definition of "Industrial Use" on the statutory plans is much broader than commonly known "factories". "Industrial Use" on the statutory plans now covers some uses related to industrial processes as well as the relevant activities including training, research, design and development, quality control and packaging, etc.

We will continue to adopt a multi-pronged approach to optimize the use of existing land and create new land in order to meet the demand for land for the sustainable development of our community.

We support the proposed relaxation of the various admission schemes for overseas/Mainland professionals and talent, but the devil is in the detail. What are the specifics?

To meet the challenges of an ageing population and a declining workforce, I have mentioned in my Policy Address this year the introduction of an enhancement to our existing talent admission schemes.

For example, the initial stay of successful applicants under the General Employment Policy (GEP) or Admission Scheme for Mainland Talents and Professionals (ASMTP) will be relaxed from one year to two years on employment condition, or in accordance with the duration of the employment contract, whichever is shorter. Extension of stay pattern will also be relaxed from the 2-2-3 years to the 3-3 years pattern, or in accordance with the duration of the employment contract, whichever is shorter. We will also implement a pilot scheme to attract the second generation of Chinese Hong Kong permanent residents who have emigrated overseas to return to Hong Kong.

I hope the various initiatives can help bring more talent to enterprises in Hong Kong.

Concerns have been raised over the Government's long-term fiscal sustainability. How will the Government increase Hong Kong's competitiveness to support the many economic and social initiatives proposed in your Policy Addresses?

Enhancing Hong Kong's competitiveness is always our focus. To this end, multiple strategies are required. On population policy, in order to address the ageing problem and anticipated decline in labour force, the Steering Committee on Population Policy has just released their report announcing measures to unleash the potential of the labour force, nurture local manpower, attract talent from outside Hong Kong, etc.

On the Government's fiscal sustainability, the Working Group on Long-Term Fiscal Planning submitted its report in March 2014. The Working Group considers that the fiscal position of Hong Kong in the short to medium term remains strong.

#### 建議的「青年發展基金」可以怎樣促進香港經濟社會發展?

我們一直積極推動青年發展,提供資源,為年輕人創造平台,讓他們有條件走得更遠、飛得更高。我在《施政報告》中提出設立三億元的青年發展基金,當中包括以資金配對的形式,支持非政府機構協助青年人創業。我希望善用坊間不少非政府機構所提供的支援服務,鼓勵並指導青年人實踐創業夢。我明白青年人創業並不一定一帆風順,過程中或許會面對失敗。因此青年發展基金突破一貫的政策思維,並非著眼於短期的回報,而是透過投入資源,為有志創業的青年人提供機會,通過實踐創業累積經驗。社會持續發展,需要優秀的人力資本。我相信青年發展基金可以有效培育創業人才,亦可以幫助青年人認清目標,累積經驗和資本,為香港長遠經濟發展打下堅實的基礎。

#### 去年12月國務院批准在多個省市包括廣東省設立自由貿易區。您 認為,就這些自由貿易區的設立,香港將會面對甚麼挑戰與機遇?

中央政府在去年十二月宣布·繼上海自由貿易試驗區(自貿園區)之後·將在廣東、天津及福建增設三個自貿園區,並於今年三月一日掛牌。

國家設立自貿園區,是推動經濟升級的重要舉措,目的是進一步深 化改革、加快政府職能轉變、創新貿易投資的管理模式,以及促進 貿易投資便利化。

香港是內地包括廣東省最大的投資者。南沙、横琴及前海亦是國家 「十二五」規劃港澳專章內的粵港澳重大合作項目。

香港對內地市場(尤其是廣東省)有深入認識,並在內地具備廣大 的商務網絡。自貿園區的成立,將為港商帶來更多商機。我們會與 內地相關部委緊密聯繫,積極開拓更多合作機會,為港商爭取更多 優惠措施。 How will the proposed establishment of a Youth Development Fund contribute to the socio-economic development in Hong Kong?

The Government is committed to promoting youth development through the provision of resources and the creation of various platforms that equip young people with different skills. In this year's Policy Address, I have proposed to set up a \$300 million Youth Development Fund which includes subsidising non-governmental organizations(NGOs), in the form of matching funds, to assist young people in starting their own business. I hope to utilize the supportive network developed by NGOs over the years in encouraging and guiding young entrepreneurs in starting business. I appreciate the risk involved in youth entrepreneurship. We treat failure as a learning process, in that the Youth Development Fund looks not for immediate monetary return, but long-term investment on our future generation. Through offering opportunities to passionate young entrepreneurs, I hope to let them accumulate experience through practicing. The sustainable growth of our society requires quality human capital. I believe the Youth Development Fund can effectively nurture entrepreneurs and help the young people set their own target. With the accumulation of experience and capital, a strong foundation for the economy can be built.

Last December, the State Council endorsed the setting up of free trade zones in a number of provinces/municipalities including Guangdong. How do you see the challenges and opportunities arising from these free trade zones?

The Central Government announced last December that after the Shanghai Pilot Free Trade Zone (FTZ), three more pilot FTZs will be established in Guangdong, Fujian and Tianjin on 1 March 2015.

The establishment of FTZs in the Mainland is a significant step of the Central Government to further open up the economy of the Mainland. The FTZs seek to deepen the reforms, expedite changes in governmental functions, modernize trade and investment management, and facilitate trade and investment.

Hong Kong is the largest investor in the Mainland, including in Guangdong Province. Nansha, Hengqin and Qianhai are also major cooperation projects amongst Guangdong, Hong Kong and Macao as set out in the dedicated chapter of the National 12th Five-year Plan.

Given Hong Kong's deep understanding of and extensive business network in the Mainland, especially in Guangdong Province, the establishment of FTZs would open up new business opportunities for Hong Kong enterprises. We would maintain close liaison with the relevant Mainland authorities to actively explore more cooperation opportunities and pursue more favorable policies and measures for Hong Kong enterprises.



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#### "VELVET GLOVE" AUTO PARTS MOLDING 「外柔內剛」汽車零件一次成型

Contributed by: Hong Kong Productivity Council -**Plastics Technology Centre** 

資料提供:《香港生產力促進局 — 塑膠科技中心》

市場膜息蔥變,產品越早推出市場,越能抓緊先機。為縮短生產週 期,工業界積極發展整合式製造 (Manufacturing Integration),減 省二次加工和組裝的工序、現特別為模協會員介紹這項技術。

#### 先進覆蓋串連注塑技術 減省二次加工

以塑膠業為例,各種覆蓋注塑技術應運而生。香港生產力促進局屬 援熱塑性塑料及仿皮橡膠 (聚氯酯, PU) 的覆蓋注塑技術, 適合生 產大型薄壁汽車部件。

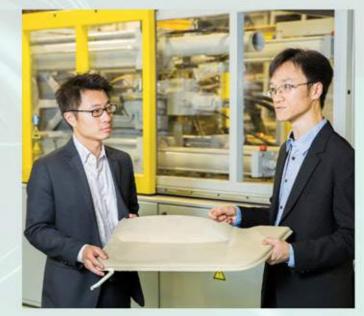
塑膠科技中心首席顧問孫國偉指出,中心一直關注覆蓋注塑技術 的發展。最近,塑膠科技中心與汽車零部件研究及發展中心攜手 合作,在創新及科技基金和億利達精密機器廠有限公司的資助下, 開發了創新的覆蓋串連注塑機 (Over-moulding Tandem Injection Moulding Machine),以具成本效益的加工方法,生產由仿皮橡膠 和熱塑性塑料組成的大型薄壁汽車零部件,提升覆蓋注塑技術 的層次。項目以一對汽車內側門板作為案例研究,以展示機器的 性能。

To compete in the ever-changing market, enterprises strive for firstmover advantage by launching their products to the market as quickly as possible. Therefore manufacturing industry are proactively developing "Manufacturing Integration" in order to shorten the production cycle, especially for secondary processing and assembling. Consequently, a variety of over-moulding injection technology emerged. We would like to talk about this new technology to our members.

#### Advanced Over-moulding Tandem Injection **Technology to Reduce Secondary Processing**

Plastics Technology Centre, formed under Hong Kong Productivity Council (HKPC), has further developed the thin-wall injection moulding technology based on the two-shot injection technique. It enables fabricating large auto parts by thin layer of leather-like Polyurethane (PU) and thermoplastics material.

Mr Samson Suen, Chief Advisor of Plastics Technology Centre said the center has always concerned the development of thin-wall injection molding technology. Recently, Plastics Technology Centre and Automotive Parts and Accessory Systems (APAS) R&D Centre have cooperated to innovate "Over-moulding Tandem Injection Moulding Machine" under the auspices of the Innovation and Technology Fund and the Elite Precision Machinery Company Limited. The machine can cost-effectively manufacture large thin-wall auto parts with leather-like Polyurethane overmolded on the substrate of thermoplastics. The project used the door trim as a sample to demonstrate the performance of the machine.





創新的覆蓋串連注塑機、能夠在單一生產週期之內、生產由仿皮橡膠和熱 塑性塑料組成的大型薄壁汽車零部件。

Over-moulding Tandem Injection Moulding Machine\* can manufacture large thin-wall auto parts with leather-like Polyurethane overmolded on the substrate of thermoplastics in a single production cycle.



#### INDUSTRY NEWS 行業資訊

是次項目開發的新加工方案,利用一部兩板式注塑機及串連模具,配合橡膠的反應注料系統(RIM),整合成一套支援橡膠和熱塑性塑料的覆蓋注塑系統,能夠在單一生產週期之內,同步生產一對設計相近,但同時擁有兩種不同材料特性的大型薄壁塑膠件,表面為觸感柔軟的仿皮橡膠(例如PU),底層為機械性能強的熱塑性塑料(例如ABS),結構保持強韌。另外,系統還可配合快速換色裝置,方便生產各種顏色的注塑件,如合消費者對外觀的要求。

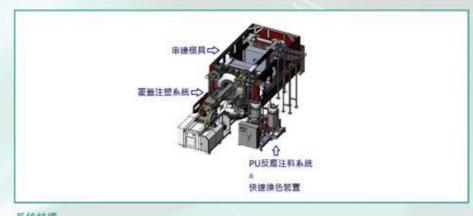
The project adopted a new processing method by integrating a two-platen injection moulding machine and tandem die with Polyurethane Reaction Injection Moulding (RIM). This over-moulding tandem injection system can be applicable to Polyurethane and thermoplastics material. It enables production of large thin-wall plastic part with a pair of similar design but two different materials under a single production cycle simultaneously. The structure is robust with soft-touch leather-like Polyurethane being molded over substrate of mechanically strong thermoplastics like ABS. Coincidentally, the system can adopt a rapid color changing device for producing injection molded parts with abundant color options to satisfy various consumer demands on product appearance.

傳統塑料 傳統塑料 傳統塑料 Traditional Traditional **Traditional** Thermoplastics Thermoplastics Thermoplastics 傳統塑料 液態硅橡膠 仿皮橡膠 Traditional Liquid Silicone Polyurethane Rubber Thermoplastics

演進中的覆蓋注塑技術

HIHIHIHIHIH

Transformation of Overmoulding Injection Technology



系統結構 Machine Structure

相對傳統的多模腔注塑技術,新方案採用兩模板串連設計,充份 利用冷卻時間,只需體積一半的的注塑機,便可於相同的生產週期 內,製造一對外柔內剛的注塑件,不但提升機器的使用率,更省卻 費時和勞動力密集的拉皮工序,有助降低投資和生產成本。

除了生產效率之外,新方案亦有助改善品質。「以汽車內側門板為例:第一,即使產品多彎角,外層的橡膠也可貼服地覆蓋在底層的傳統塑料上,不會打摺;第二,由於在單一注塑週期生產一對左右門板,因此可減少兩件注塑件的色差,以及其他成型品質上的差異,一同在車上使用時更為美觀。」塑膠科技中心高級顧問高耀祖解釋。

Compared with traditional multi-mould injection technology, the new processing method radically enhances the production efficiency by adopting two-plates tandem design to manufacture a pair of velvet glove injection parts. It fully utilizes the cooling time with just half of the normal volume of injection machine. This technology not only enhances the utilization of machinery, but also shortens the production cycle and gets rigid of labour-intensive secondary processing, subsequently reducing investment and production costs.

In addition to production efficiency, the new technology also helps improve the product quality. "The door trim, as an example, its polyurethane can be overmoulded of good adhesion without curling. Second, since the pair of the door trims are produced in a single production cycle, hence, the variance of color and molded parts is minimum. As a result, more fascinating appearance when assembling in the car."Mr Suen explained.





研發團隊經過反覆的測試,確保PU橡膠與汽車內側門板的ABS塑料底材,兩者牢固地黏合。 Repeated tests on the door trim to ensure PU has good adhesiveness with ABS substrate.





### INDUSTRY NEWS 行業資訊

#### 串連覆蓋注塑技術好處:

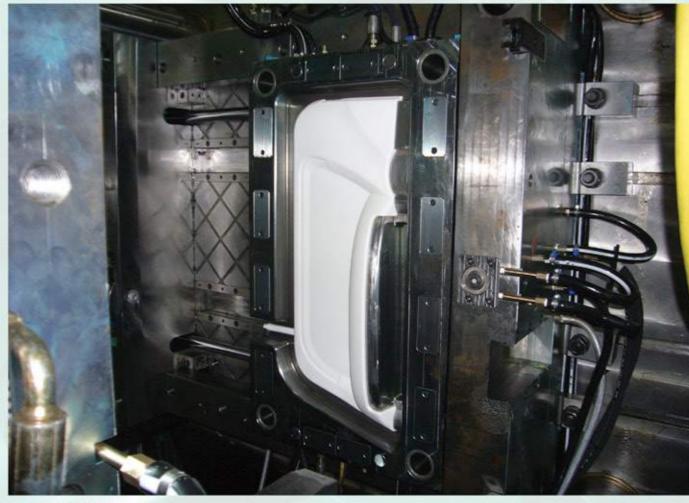
- 橡膠貼服地覆蓋在傳統塑料上
- 注塑機體積僅一半

HIIIIIIIIII

- 單一生產週期,製造一對注塑件
- 提升機器的使用率
- 省卻拉皮工序
- 減少一對注塑件的品質差異

# Advantage of Over-moulding Tandem Injection Technology

- Good adhesion between Polyurethane and traditional thermoplastics
- · Require only half volume of the injection molding machine
- . Manufacture a pair of injection parts in a single production cycle
- . Enhance utilization of machine
- No secondary processing of surface coverage
- . Minimize the quality variance of a pair of injection molded parts



創新的PU橡膠串連模具 Innovative PU Tandem Mould





## 成豐制品有限公司 SHINGFUNG PRODUCTS LIMITED

# 成豐制品有限公司專業從事各類塑膠模具設計開發與制造、注塑生產、噴油、絲印、裝配等一系列配套服務。

ShingFung Products Limited is a highly reputable company of injection mold making and injection moulding mass production; 2nd process of plastic parts including painting, silk screen printing, pad printing and simple assembly.

# 食品薄壁包装 Food packaging products

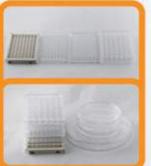






# 醫療產品 Medical plastic products

















# 成豐制品有限公司

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# The HKMDC & HKPIC 25th Anniversary Joint Dinner 香港模具協會及香港塑膠業協會25周年聯合晚宴

香港模具協會及香港型膠業協會於2014年11月14日假尖沙咀金域假日酒店願利舉行「香港模具協會及香港塑膠業協會25周年聯合晚宴」 晚宴期間更頒發了「香港模具業成就大獎」及「香港塑膠業成就大獎」兩個業內最高殊榮的獎項,與400多名會員歌度銀禧會慶。

晚宴先由香港模具協會主席楊悰傑博士及香港塑膠業協會主席黃可嘉的歡迎辭揭開序幕。再由香港工業總會主席劉展灏和晚宴主禮嘉賓商 陈及經濟發展局蘇錦經局長 GBS JP分別上致辭恭智兩會銀禧結應。

適逢廿五周年會慶,協會特別於席間頒發兩個業內最高殊榮的獎項——「香港模具業成就大獎」及「香港塑膠業成就大獎」,共有11位 業界朝餘獲德,名單如下:

#模具協成就大獎:1. 梁廣泉 2. 孫啟烈 3. 陶偉洪 4. 張遠材

港塑膠業成就大獎: 1. 黄保欣博士 2. 李宗德博士 3. 丁午壽 4. 林 亮 5. 孫建超 6. 陳禮信 7. 林 許

其後壓輪的表揚環節更特別向香港模具協成就大獎及香港塑膠業成就大獎的得獎者。歷屆業內的青年工業家得主及歷年協會軌委致敬。於 抽獎環節後,由香港模具協會及香港塑膠業協會25周年聯合晚宴籌委會主席黎玉成致謝辭,晚宴圓滿結束。









Hong Kong Mould and Die Council & Hong Kong Plastic Industry Council have successfully held their 25th Anniversary Joint Dinner at Holiday Inn Golden Mile Hong Kong Hotel, Tsim Sha Tsui on 14 November. In this special occasion, eleven outstanding industrialists were recognized with top-notched honour - "Hong Kong Mould & Die Industry Distinguished Achievement Award" and "Hong Kong Plastics Industry Distinguished Achievement Award" together with over 400 guests.

The Dinner was commenced by welcoming remarks from Hong Kong Mould & Die Council Chairman Dr Jack Yeung and Hong Kong Plastics Industry Council Chairman Daniel Wong. The two councils were delighted to have the former FHKI Chairman Stanley Lau, and Secretary for Commerce & Economic Development, Gregory So, GBS, JP, the Guest-of-honour, to deliver the keynote speeches.

Coming to their 25th Anniversary, one of the noteworthy sessions this year was the Award Presentation of "Hong Kong Mould & Die Industry Distinguished Achievement Award" and "Hong Kong Plastics Industry Distinguished Achievement Award" to 11 outstanding leaders as follows:

Hong Kong Mould & Die Industry Distinguished Achievement Award:

- 1. Leung, Kwong-chuen
- 2. Sun, Kai-lit, Cliff
- 3. To, Wai-hung, Harry
- 4. Cheung, Tat-choi, Stanley

Hong Kong Plastics Industry Distinguished Achievement Award:

5. Sun Kin-chao

6. Chan, Lai-shun

7. Lam, Hui

- 1. Dr. Wong Po-yan
- 2. Dr. Lee, Joseph
- 3. Ting, Woo-shou, Kenneth
- 4. Lam, Leung







Other highlights included the Recognition Session to all Awardees of Hong Kong Mould & Die Industry Distinguished Achievement Award and Hong Kong Plastics Industry Distinguished Achievement Award, YIAH Awardees of both industries, former & existing executive committee members as well as the lucky draw. This unforgettable dinner was concluded with the closing remarks made by Edward Lai, Chairman of HKMDC & HKPIC Joint Dinner Organising Committee.



















# FHKI 55th Anniversary Golf Tournament – Dah Sing Bank Cup 工總55周年高爾夫球賽·大新銀行杯

工總55周年高爾夫球賽,大新銀行杯在深圳西麗高爾夫鄉村俱樂部順利舉行。比賽吸引了近96位高球要好者參加,在輕鬆友好的氣氛中型 顯身手,渡過歡樂的一天。是次高爾夫球賽得以圓滿舉行,實有賴一眾參賽者、贊助企業及籌委會成員鼎力支持。

The FHKI 55th Anniversary Golf Tournament - Dah Sing Bank Cup was held successfully at Shenzhen Xili Golf Club and attracted 96 golf enthusiasts for a fun yet competitive afternoon on the fairways. The success of the event was attributed to the support rendered by participants, sponsors and Organising Committee members.











# Hong Kong Mould & Die Council visited TNM, a Hong Kong local mold workshop at Tsuen Wan

# 香港模具協會探訪位於荃灣的TNM模具廠房

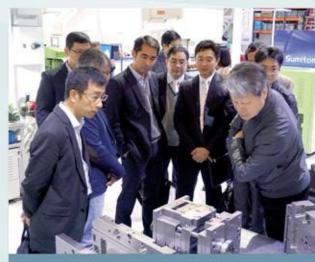
香港模具協會在主席楊悰傑博士及副主席黃嘉文先生(2013-2015年度)的領導下·探訪了 Tool And Mold Hong Kong Ltd.(TNM)於荃灣最新成立的模房。

TNM主要以生產包裝產品模具為主。參觀期間,會員對TNM為何在土地及生產成本高昂的香港深感興趣,並積極與公司負責人牌榮耀先生交流意見,討論於本港經營廠房的模式。

Led by the Chairman Dr Jack Yeung and Vice-chairman Colman Wong (Year 2013-15), Hong Kong Mould & Die Council visited Tool And Mold Hong Kong Ltd. (TNM) at Tsuen Wan.

TNM is newly opened workshop in Tsuen Wan principally engaged in producing package mold. Members are greatly inspired by how it could manage to operate a mold shop in Hong Kong with such a high cost. Mr Tam, the representative of TNM, actively exchanged his views with members on pros and cons operating a factory in Hong Kong and members are very impressed by the fruitful discussion with Mr Tam.







**ACTIVITIES HIGHTLIGHTS** 



# **HKMDC Basketball Championship 2015**

# 第十屆香港模具協會籃球錦標賽2015

東江模具有限公司





The 10th Hong Kong Mould & Die Council Basketball Championship, its semi-finals and finals were held successfully on 9th May and 17th May respectively in Shenzhen. Eight companies enthusiastically participated in the competition and after some exciting games. TK Mold Team secured the victory in the finals. Results of the Championship are as follows:

Champion: TK Mold Ltd. Silver Medal: Lap Chi Moulding Co. Ltd. Copper Medal: Precision Moulds Ltd. Silver Plate: Hoyu Tooling Ltd.





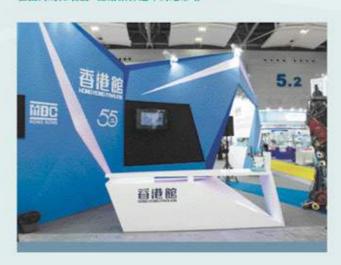




# **CHINAPLAS 2015 International Exhibition on Plastics and Rubber Industries**

# 香港模具協會「香港館」@CHINAPLAS 2015

香港模具協會第三年於 CHINAPLAS 國際檢塑展設立「香港館」!



This is the third year that the Hong Kong Mold & Die Council (HKMDC) and the FHKI jointly presented a "Hong Kong Pavilion" in the Mold and Die Zone at CHINAPLAS 2015. On 20 May 2015, we are honored to have Mr. Albert TANG, the Director of Hong Kong Economic and Trade Office in Guangdong, together with the former Chairman of the FHKI Stanley Lau, HKMDC Chairman Dr. Jack Yeung, as well as other leadership to officiate at the opening ceremony of the Hong Kong Pavilion.

The opening Ceremony attracted more than 50 guests to attend. Dr. Jack Yeung introduced the machinery exhibits of "Hong Kong Pavilion" to the guests, enhancing the industries' understanding of Hong Kong mold industry. During 20 to 23 of May, the 5.2M51 booths at Mould and Die Zone of "Hong Kong Pavilion", showing "D4EMP", the Mould and Die equipment with high-efficient & mass production. One of the exhibits' mould could inject three different materials simultaneously, automated operation by robots, which has greatly improved the efficiency and reduce the attrition rate. This year, more than 20 local Mold & Die companies participate in "Hong Kong Pavilion" which is funded by the "Dedicated Fund on Branding, Upgrading and Domestic Sales" (Organisation Support Program) of the Government of the HKSAR, aimed to demonstrate the advanced technology and products of HK mould & die industry, as well as reinforce position of the industry in the Mainland.





# The FHKI 55th Anniversary Factory Visit (1): Upgrading

# 工總55周年廠房參觀活動 (1):升級轉型

為慶祝55周年會慶,工總按不同的主題舉辦廠房及企業參 觀活動。首個參觀活動以「升級轉型」為主題,於2015年 6月19日(星期五)到紡鎮泰集團及精美汽車工業有限公司 兩家位於番禺南沙的廠房,讓會員親自觀摩其廠房先進的 自動化設備及完養成熟的管理系統,藉此機會互相交流。







位於南沙區橫瀝鎮的精美集團則主要從事塑膠電簸、塑膠注塑、 模具製造、表面處理、工業設計和汽車零部件業務。其中精美憑藉 其汽車零部件生產的技術和經驗,積極開拓汽車零部件研發及設計 業務,同時引進自動化生產工序,優化生產流程及加強品質管理。 集團生產製造總監吳坤及行政總裁陳偉聯親自接待參觀團,除講解 集團的自動化進程及背後理念,更帶領會員參觀自動化廠房,並與 他們交流工業升級轉型的經驗及心得,豐富會員於升級轉型方面的 知識。





In celebration of its 55th Anniversary, FHKI organizes a series of factory visits themed with different topics so as to foster the exchanges of views and ideas between members from different industry groups. The first of the series was a visit on 19 June to two factories in Nansha, Jetta Co Ltd and Jing Mei Automative Ltd, with the theme of "Upgrading".

Jetta Co Ltd is engaged mainly in the manufacture of a wide of toys, including electronic, plastic and stuffed toys, for export. In recent years, it has begun to diversify its business to produce intelligent home appliances, stationery, gift items and children's products. The FHKI delegation was received by Jetta's Co-General Manager TY Wong and Chief Executive Officer Kenneth Wong. They led the delegation to visit the factory's injection molding workshop, sewage discharge system and other facilities. Members were impresses by the factory's comprehensive and mature systems encompassing production, research and development.

Located in Hengli Town of Nansha District, Jing Mei Automotive Ltd is mainly engaged in plastic plating, plastic molding, mold manufacturing, surface finishing, industrial design and automotive components. On top of its mature technology and experience in manufacturing automotive components, Jing Mei has also been actively developing its R&D in automotive components and design businesses. With a view to optimizing its productivity and bettering its quality management, the company has adopted automation in their production lines. Jing Mei's Director of Manufacturing Tonny Ng and Chief Executive Ricky Chan led the FHKI delegation to tour the company's automated factories and shared their experience of automation and the rationale behind. Views on upgrading were also exchanged with the delegates.







# The Federation of Hong Kong Industries 55th Annual General Meeting cum Anniversary Celebration Dinner

# 香港工業總會第55屆會員周年大會暨會慶晚宴

香港工業總會(工總)於7月28日假香港會議展覽中心舉行第55屆會員周年大會暨會慶晚宴,新一届(2015至17年度)理事會選出鄭文建 教授為工總主席,林宮武、郭振華、騰志明、葉中賢博士和楊悰傑博士為副主席。

鄭文聯教授當選後在記者會上向新聞界講述上任後的三個工作重點,包括推動港商及傳統工業利用創意和科技轉型升級、協助會員利用電子高質,以及推動環保工業及清潔生產。他表示,工總將培育創新與科技企業發展,協助他們與傳統工業接觸和建立聯繫;加強在電子商型的培訓和服務,幫助會員企業基準新更会及企業學學

鄭文聰教授同時宣布工總與中國銀行(香港)合作推出「中銀香港企業環保領先大獎」,以表揚在環保工作有優秀表現、於香港或泛珠三 角地區經營的工業和服務業企業。為配合「一帶一路」國家經濟發展策略,大獎下更特別設立「一帶一路環保領先嘉許獎」,以表揚在沿 線地區提倡和推動環保的企業。









會慶晚宴在記者會後舉行,行政長官梁振英、政務司司長林鄭月 娥、中聯辦副主任殷曉靜、廣東省副省長招玉芳,及多名局長、政 府高屬、中聯辦及廣東省官員應撤出席。

梁振英致辭時表示,特區政府關心香港工業發展,除了企業在香港的活動,亦關注它們在海外市場和生產基地的機遇和挑戰。他形容,香港企業除了可以把外資「引進來」,還可以主動「走出去」海外市場,尋找商機。他指,香港作為「超級聯繫人」,享有「一國」和「兩制」的雙重優勢,確實可以好好地發展香港經濟,政府亦會繼續支援香港企業在本地及香港以外地區發展。

招玉芳致辭時,特別提及內地實施「一帶一路」戰略、廣東自貿區 的建設、服務貿易自由化的推進等,為粵港兩地工業帶來新商機, 廣東省政府歡迎香港業界到自貿區考察,探索發展機遇。

此外,林鄉月城於晚會上頒發「工業獻愛心」證書予27家獲嘉訂 的工總會員企業。工總今年第三年推行企業社會責任(CSR) 揚計劃「工業獻愛心」,表揚積極推行企業社會責任的會員企業。 希望藉此建立一個讓企業互相交流履行社會責任經驗的平台。



The Federation of Hong Kong Industries (FHKI) held its 55th Annual General Meeting (AGM) cum Anniversary Celebration Dinner on 28 July at the Hong Kong Convention and Exhibition Centre. The new General Committee (2015-2017) of the FHKI elected Prof Daniel Cheng as Chairman at its first meeting. Willy Lin, Jimmy Kwok, Eric Yim, Dr Daniel Yip and Dr Jack Yeung were elected by the FHKI General Committee as Deputy Chairmen.

At a press conference held after the election, new Chairman Prof Cheng briefed the media on the three major work areas for the ensuing term, namely encouraging Hong Kong enterprises and traditional industries to upgrade and transform themselves through innovation and technology, assisting members in leveraging on e-commerce, and promoting environmental industries and clean production. He said the FHKI would promote the development of innovation and technology industry and connect them with traditional industries to foster symbiotic growth; strengthen its training and service support regarding e-commerce and help members seek new platforms and partners; and assist member enterprises in "going green" by offering more services related to environmental protection.





**ACTIVITIES HIGHTLIGHTS** 



Prof Cheng also announced that the FHKI collaborates with the Bank of China (Hong Kong) (BOCHK) in launching the "BOCHK Corporate Environmental Leadership Awards Programme", which is established to recognise manufacturing enterprises and service businesses in Hong Kong and the Pan-Pearl River Delta region that have achieved outstanding environmental performance. A "Belt and Road Environmental Leadership Recognition Award" is also set up under the Awards Programme to honour enterprises for their outstanding performance in promoting environmental protection along the "Belt and Road" regions.

At the Anniversary Celebration Dinner that followed, Chief Executive C Y Leung, Chief Secretary for Administration Carrie Lam, Deputy Director of the Liaison Office of the Central People's Government Yin Xiaojing, Vicegovernor of the Guangdong Province Zhao Yufang, ministry secretaries, high-level government officials, and other officials from Guangdong and the Liaison Office were present as guests-of-honour.



In his keynote speech delivered at the dinner, C Y Leung said the SAR Government has been paying close attention to the development of Hong Kong industries. Issues of concern, he said, are not limited to enterprises' activities in the city, but also opportunities and challenges in overseas markets and production bases. Apart from "drawing in" foreign investment, he described, Hong Kong enterprises could actively "reach out" to overseas market for opportunities. As a "super-connector", Hong Kong enjoys advantages of "One Country" and "Two Systems", which are enablers of Hong Kong's economic growth, and the Government will continue its support for Hong Kong enterprises for their development both at home and overseas, he added.

Zhao Yufang pointed out in her message afterwards that the national "One Belt One Road" strategy, the establishment of free trade zones in Guangdong and the promotion of service trade liberalisation have together presented new business opportunities to industries in both







Hong Kong and the province. The Guangdong Government, she said, welcomes Hong Kong industry players to visit the free trade zones and explore scope for development.

On this special occasion, Carrie Lam presented "Industry Cares" certificates to 27 member companies of the FHKI. "Industry Cares", of FHKI's Corporate Social Responsibility (CSR) Recognition Scheme, acknowledges CSR excellence among FHKI members. The Scheme, which has entered its third year, aims to encourage members to embrace CSR, and to provide a platform for enterprises to share with each other experience in conducting CSR activities.











# The FHKI 55th Anniversary Factory Visit (2): Branding

# 工總55周年廠房參觀活動 (2):品牌提升

To celebrate the 55th Anniversary, a series of factory visits to successful sizable enterprises have been arranged with different themes of our members' concerns. Themed Brand Development, the second tour took place on Friday, 28 August 2015. The tour covered visits to three internationally renowned corporations including Memorigin - the manufacturer the "made by Hong Kong" Tourbillon, Lee Kum Kee – the King of Chinese sauces as well as Yakult, one of the best-selling yoghurt drinks all over the world.

Members proactively exchanged views with representatives of three corporations on the basics of branding and effective branding strategies











#### 重要展覽目錄

swop包裝世界(上海)博覽會

日期:17/11/2015-20/11/2015

地點:中國 • 上海

展覽會

舉辦機構:雅式展覽服務有限公司

日期:20/11/2015-22/11/2015

地點:中國。廣州晉洲

2015廣州國際汽車零部件及用品

2016中國(北京)國際照明展覽會暨 中國(北京)國際半導體照明產業博覽會

日期: 14/4/2016-16/4/2016 地點:中國 \* 北京

舉辦機構:雅式展覽服務有限公司

2016 北京國際智慧家居暨智慧建築 展驗會

日期: 14/4/2016-16/4/2016

日期: 25/4/2016-28/4/2016

舉辦機構: 雅式展覽服務有限公司

第十四屆北京國際汽車展覽會

舉辦機構:雅式展覽服務有限公司

日期:零部件部份:2016.04.25-04.29

整車部份: 2016, 04, 25 - 05, 04

第十六屆國際木工機械及傢俱生產設備

展覽會/國際木工機械配料展覽會

舉辦機構: 雅式展覽服務有限公司

地點:中國 + 上海

地點:中國 • 北京

地點:中國 • 北京

舉辦機構:雅式展覽服務有限公司 舉辦機構:雅式展覽服務有限公司

第三十屆中國國際塑膠橡膠工業展覽會 第十六屆中國義烏國際針織及織襪 機械展覽會 UFI全球展覽業協會認可

日期:30/11/2015-3/12/2015 地點:中國 \* 浙江省義島市

舉辦機構: 雅式展覽服務有限公司

第五屆中國義鳥國際縫製及自動化服裝 機械展覽會

日期:30/11/2015-3/12/2015 地點:中國 • 浙江省義烏市

舉辦機構:雅式展覽服務有限公司

2015中國義烏國際染色及後整理機械 展覽會

日期:30/11/2015-3/12/2015 地點:中國 \* 浙江省義府市 舉辦機構:雅式展覽服務有限公司

第二十三屆華南國際印刷工業展覽會

日期: 2/3/2016-4/3/2016 地點:中國。廣州預洲

舉辦機構: 雅式展覽服務有限公司

第37屆中國 (上海) 國際傢俱博覽會-設備配料展

> 日期:2016-9 地點:中國 • 上海

地點:中國 + 上海

舉辦機構: 雅式展覽服務有限公司

日期: 11/10/2016-13/10/2016

舉辦機構:雅式展覽服務有限公司

日期: 1/6/2016-4/6/2016

地點:中國 \* 北京

2016中國國際標簽印刷技術展覽會

日期: 2/3/2016-4/3/2016 地點:中國。廣州琶洲

舉辦機構:雅式展覽服務有限公司

第二十三屆中國國際包裝工業展覽會

日期: 2/3/2016-4/3/2016 地點:中國。廣州發洲

舉辦機構:雅式展覽服務有限公司

第十四屆上海國際鍋爐、輔機及工藝設 備展覽會 日期: 11/10/2016-13/10/2016

2016上海國際供熱及熱動力技術展覽會

地點:中國 • 上海

舉辦機構: 雅式展覽服務有限公司

2016中國 (廣州) 國際包裝製品展覽會

日期: 2/3/2016-4/3/2016 地點:中國。廣州琶洲

舉辦機構:雅式展覽服務有限公司

第十七屆中國義鳥國際針織及織襪機械 展覽會

日期:2016-11 地點:中國 • 浙江省義烏市 舉辦機構: 雅式展覽服務有限公司 第六屆中國義烏國際縫製及自動化服裝 機械展覽會

日期:2016-11

地點:中國 + 浙江省義烏市 舉辦機構: 雅式展覽服務有限公司

2016中國義烏國際染整及數碼印花機械 展覽會

日期: 2016-11

地點:中國 • 浙江省義烏市 舉辦機構:雅式展覽服務有限公司

第十六屆國際電力設備及技術展覽會/ 第九屆國際電工裝備展覽會 UFI全球展覽業協會認可

日期: 2/11/2016-4/11/2016 地點:中國 • 北京

舉辦機構:雅式展覽服務有限公司

2016國際電力自動化設備及技術展覽會

日期: 2/11/2016-4/11/2016 地點:中國 • 北京

舉辦機構:雅式展覽服務有限公司

香港貿發局香港眼鏡展

日期:4/11/2015-6/11/2015

地點:香港

舉辦機構:香港貿易發展局

香港貿發局香港國際美酒展

日期:5/11/2015-7/11/2015

地點:香港

舉辦機構:香港貿易發展局

亞洲物流及航運會議

日期:17/11/2015-18/11/2015

地點:香港

舉辦機構:香港貿易發展局

亞洲知識產權營商論壇

日期: 3/12/2015-4/12/2015

地點:香港

學辦機構:香港貿易發展局

香港貿發局國際中小企博覽

日期:3/12/2015-5/12/2015 地點:香港

舉辦機構:香港貿易發展局

香港貿發局設計及創新科技博覽

日期:3/12/2015-5/12/2015 地點:香港

皋辦機構:香港貿易發展局

香港貿發局香港國際家用紡織品展

日期: 20/4/2016-23/4/2016

地點:香港

舉辦機構:香港貿易發展局

2016年印度國際檢塑展

日期: 3/3/2016-6/6/2016 地點:印度。新德里

舉辦機構:廣州光亞法蘭克福展覽有限公司

亞洲授權業會議

日期: 11/1/2016-12/1/2016

香港貿發局香港國際授權展

日期: 11/1/2016-13/1/2016

舉辦機構:香港貿易發展局

日期:11/1/2016-14/1/2016

香港國際文具展

地點:香港

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舉辦機構:香港貿易發展局

香港貿發局香港家庭用品展

日期: 20/4/2016-23/4/2016 地點:香港

舉辦機構:香港貿易發展局

印度國際模具展

日期:6/4/2016-9/4/2016

地點:印度 • 班加羅爾 暴辦機構:廣州光亞法蘭克福展覽有限公司

日本國際模具及金屬加工展覽會

舉辦機構:廣州光亞法蘭克福展覽有限公司

舉辦機構:廣州光亞法蘭克福展覽有限公司

舉辦機構:廣州光亞法蘭克福展覽有限公司

日順: 20/4/2016-23/4/2016

巴西國際橡塑工業及模具展

日期:18/8/2016-22/8/2016

地點:巴西 • 約恩维利

地點:日本。大阪

香港國際印刷及包裝展

日期: 27/4/2016-30/4/2016

地點:香港

舉辦機構:香港貿易發展局

香港貿發局香港禮品及贈品展 日期: 27/4/2016-30/4/2016

地點:香港

舉辦機構:香港貿易發展局 舉辦機構:香港貿易發展局

香港貿發局香港國際醫療器材及用品展 香港貿發局香港嬰兒用品展 日期: 11/1/2016-14/1/2016 日期:3/5/2016-5/5/2016

地點:香港

聯辦機構:香港貿易發展局 舉辦機構:香港貿易發展局

香港貿發局香港玩具展 日期: 11/1/2016-14/1/2016

地點:香港

舉辦機構:香港貿易發展局

香港貿發局香港時裝節春夏系列 日期:4/7/2016-7/7/2016

香港貿發局家電。家品。博覽

日期: 11/8/2016-15/8/2016

聯辦機構:香港貿易發展局

地點:香港

舉辦機構:香港貿易發展局

日期:7/5/2018-11/5/2018

K-Fair

地點:美國 • 佛羅里達州奧蘭多

美國塑膠及模具技術展覽會

日期:19/10/2016-26/10/2016

地點:德國 • 杜塞爾多夫

舉辦機構:廣州光亞法蘭克福展覽有限公司

香港貿發局香港國際賽季燈飾展

日期:6/4/2016-9/4/2016

地點:香港

地點:香港

聯辦機構:香港貿易發展局

香港貿發局國際資訊科技博覽

日期: 13/4/2016-16/4/2016

舉辦機構:香港貿易發展局

香港貿發局香港鐘表展

日期:6/9/2016-16/9/2016 地點:香港

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舉辦機構:香港貿易發展局

香港貿發局香港春季電子產品展

日期: 13/4/2016-16/4/2016

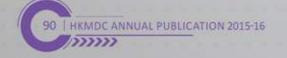
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舉辦機構:香港貿易發展局

德國國際金屬板塊加工展驗會

日期: 3/11/2015-6/11/2015 地點:德國 • 斯圖加特

舉辦機構:廣州光亞法蘭克福展覽有限公司





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Address Flat B. 2/F., Epoch Ind. Bldg. 8 Cheun Tsing Yi NT Telephone 24361662	Ho St.	Address	Managing Director Rm. 11, 9/F., Thriving Ind. Centre 26-38 Sha Tsui Rd. Tsuen Wan NT
Fax  Email  Info@abletech.com.hk  Website  Business  CAD-CAM services & system, mould 8 mould polithing services, plestic injection part. Injection moulding secures services, such as clean room spin screening, transfer printing, hot	die components, injection mould, indury processing by printing, silk	Telephone Fax Email Website Susiness Brands Certifications	24120263 24120162 lau@ahchaumould.com.hk www.ahchaumould.com Plastic mould — ISO 9001:2008, ISO 14001:2004
Brands		Factory Name Factory Address Factory Rep	無整機械製模(深圳)有限公司 廣東省 深圳市 龍島福南韓西坑村第一工業區第七樓 製生
Factory Name		fel Fax	755-28618323 755-28618483
Factory Rep		ALLAN INTERNA	A4259 TIONAL HOLDINGS LTD.
The standard set of the second		亞倫國際集團有限	
///////	A4689	Representative	Mr. Cheung Shu Wan · 張樹娜先生 Managing Director
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Address Unit 10, 5/F., Vanta Ind. Centre 21-2 Kwai Chung NT Telephone 24876282	The state of the s	Website Business	www.allan.com.hk  Design & manufacturing of a wide range of household electrical appliance
Fax 24817504 Email Info@acecorpholdings.com Website www.ecemold.com		3rands Certifications	 ISO 9001:2008, ISO 14001:2004
Business Mould & die accessories, plastic mould Brands		actory Name actory Address	惠陽亞倫里蘇爾爾其有限公司 廣東省 惠州市 仲世高新技術產業開發區證林順

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bsite	www.assab-hk.com	Website
siness	ASSAB tool steels for cold work, hot work, plastic mould, powder metal and heat treatment/machining services	Business
inds rtifications		Brands Certifications
tory Name	一勝百模具(東莞)有限公司 高東省 東美市 松山湖科技產業面際此部工業高	Factory Name Factory Address
ctory Rep		
•	769-22897888 769-22899368	Factory Rep
		Tel Fax
	A9359	(Allert State of Stat
JTOFACT TECHN 洲動力有限公司	OLOGIES LTD.	CENTURY STEP
presentative	Mr. Man-Hoo Lai 親文浩先生	世紀輝途精密模
dress	Director Flat 618, 6/F. 9 Hoi Wing Rd. Tuen Mun NT	Representative
ephone	26186983	Address
( ail	24302483 info@autofact.com.hk	Telephone
bsite	www.autofact.com.hk	Fax
siness	Mould & die related services, mould & die machinery & equipment.	Email Website
inds rtifications	MAKINO MACHINE & IKEGAMI MOLD  —	Business
1	THE PROPERTY OF	Brands Certifications
ctory Name ctory Address	亞洲動力有限公司 舊東省 深圳市 南山區海港三通海岸城東遊1503安	Factory Name
ctory Rep	關星女士 755-86270557	Factory Address
¢	755-86271757	Factory Rep
		Tel Fax
	A9206	10.000
ST IDEAL LTD. 佳有限公司		///////
presentative	Mr. Lau Nga-leong 劉莽量先生	CHI HANG MOU
	Vice President	智恒製模(香港)不
dress	Flat 7, 5/F., 8lk. 8, New Trade Plaza 6 On Ping St. Shatin NT	Representative
ephone	26461303 26462012	Address
ail	keithlau@bestideal.com	Telephone
bsite siness	www.bestideal.com Sheet metal parts of telecommunication, office	Fax Email
	automation, electronic parts, mobile and healthcare market, assembly, tool and die making	Website
inds	The state of the s	Business
rtifications	ISO 9001:2008, ISO 14001:2004	Brands
ctory Name ctory Address	意任金屬制品服 顯素省 東莞市 馬崗鎮薩田村坪新原路	Certifications
	河東工業區二棵1號	Factory Name
tory Rep	劉利量先生 769-82856888	Factory Address Factory Rep
•	769-82856883	Tel

Representative	Mr. Isaac Ho 何子雙先生
	Sales Specialist
Address	1619, 16/F., Tuen Mun Central Square
Television	22 Hoi Wing Rd. Tuen Mun NT 755-26859580
Telephone Fax	755-26859566
Email	philip@bluestar-mould.com
Website	www.bluestar-mould.com
Business	Plastic injection mould, plastic injection mould
Duanina	components, manufacturing mainly for automotive
Brands	3—3
Certifications	3-
Factory Name	錦豐科技 (除圳) 有限公司
Factory Address	1&3, Tong Fu Yu A-2 Industry Area,
	Buyong Shajing Town, Baoan District, Shenzhen,
200 (20)	Guangdong Province
Factory Rep	株文課先生
Tel Fax	755-26890382
r as	

# 

Representative	Mr. William Wong 王護樑先生
Representative	Marketing & Project Manager
Address	Unit 7-8,13/F, Bik, B Hoi Luen Ind. Ctr. 55 Hoi Yuen Rd. Kwan Tong KLN
Telephone	23448082
Fax	23434518
Email	william.wong@chihang-kinshun.com
Website	www.chihang-kinshun.com
Business	Mould & die accessories, mould & die related services plastic mould, toolings, injection moulding, in-mould decoration, double injection
Brands	
Certifications	-
Factory Name	東莞歐岩智恒精密模具制品廠
Factory Address	廣東省 東莞市 無高額五學村蓋平路五卷工業而8號
Factory Rep	王翦桿先生
Tel	769-86800988

A4694

Factory Name Factory Address Factory Rep Tel 精英製炭膏業(深制)有限公司 實見者 深圳市 實安區沙井街區沙塘社區民福路10號 場於祭贈士 755-27268898 755-27268818

#### MEMBER LIST 會員名錄

# 會員名錄

	FACTORY CO. LTD.	
智達工模廠有限 Representative	Mr. Tat-Hing Fung 馬達爾先生	
	Director	
Address	Rm. C236, 2/F., Po Yip Ind. Bidg. 23 Hing Kwun Tong KLN	Yip St.
Telephone	23406801	
Fax	23841655	
Email	chitat168@ctmould.com.hk	
Website	Mary Commence and Control of Cont	
Business	Plastic injection mould and die casting mo	
Brands	The state of the s	
Certifications		
Factory Name	智速模具素	
Factory Address	原果省 東莞市 塘废镇平山村188工章區	
Page 100 and 1		

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Λ.	6	_		,

# CHI WO PLASTIC MOULDS FACTORY LTD. 志和塑膠五金製模廠有限公司

13509843950 769-87916418

Representative Address Telephone Fax Email Website Business Brands Certifications	Mr. Kin-Keung Liu 厚堅強先生 Engineering & Mfg. Director Rm. 12. 2/F., Hung Tai Ind. Bldg. 37-39 Hung To Rd. Kwun Tong KLN 27906130 27972596 kk.lku@sdaletech.com www.chiwo.com Manufacturing of mould and plastic injection
Factory Name	中山志和家電制品有限公司
Factory Address	廣東省 中山市 坦洲鎮車並火炬路8號
Factory Rep	廖熙強先生
Tel	760-86657230
Fax	760-86655788

#### A4695

# COMBINED YIELD LTD. 集華有限公司

Representative	Mr. Wong Chun 王真先生 Director
Address	Unit 2, 12/F., Technology Park 18 On Lai St. Siu Lek Yuen: Shatin NT
Telephone	28094288
Fax	26080133
Email	cyhk1@biznetvigator.com
Website	www.cymmould.com
Business	Mould & die accessories, mould & die bases & too steels
Brands	
Certifications	ISO 9000
Factory Name	集榮模羅(深圳)有限公司
Factory Address	廣東省 深圳市 質安認石岩頭應人石工業器
Factory Rep	Mr. Wong Chun
Tel	755-27625377/378
Fax	755-27625716

#### A4697

#### DAIDO MOLD EQUIPMENT CO. (HK) LTD. 大同金型用品 (香港) 有限公司

Representative	Mr. Lin Wing Chun 建永蓝先生 Manager
Address	Flat A, 5/F., Galaxy Fty. Bldg. 25-27 Luk Hop St. San Po Kong KLN
Telephone	23285571
Fax	23520486
Email	daido33@hotmail.com
Website	The second secon
Business	Mould & die components
Brands	
Certifications	
Factory Name	
Factory Address	
Factory Rep	
Tel	
Fax	

#### A4698

# DATAMATIC CNC ENGINEERING CO. LTD. 導新數控工程有限公司

Representative	Mr. Leton Y.P. Lee 李煌培先生 General Manager
Address	Unit 1, 11/F., Hopeful Fty. Centre 10-16 We Shing St Fo Tan, Shatin NT
Telephone	26992683
Fax	26910701
Email	yplee@datamatic.com.nk
Website	www.datamatic.com.hk
Business	Plastic injection mould
Brands	DAMAT
Certifications	ISO 2008
Factory Name	廣州聯新模員注塑有限公司
Factory Address	攘栗省 廣州市 白雲流石井石潭西路118路
Factory Rep	劉建輝先生
Tel	20-86423598
Fax	20-86414393

#### A9953

# DATONG PRECISION (CHINA) CO. LTD. 大通精密 (中國) 有限公司

Representative	Mr. Wen-De Yu - 永文標先生 General Manager
Address	Rms. 1318-20 Hollywood Plaza 610 Nathan Rd. Mongkok KLN
Telephone	27108200
Fax	27108266
Email	dt888@wmould.com
Website	www.wmould.com
Business	Mould manufacturer
Brands	I AMERICAN PROPERTY OF THE PRO
Certifications	
Factory Name	
Factory Address	廣東省。深圳市 寬安區松崗街透蘿田社區 第三工業區廣田塔萊豐工業園五種
Factory Rep	休城英
Tel	755-29726126
Fax	755-27637886

#### A5800

## DATRIN INDUSTRY CO. LTD.

大样造模有限公司	
Representative  Address Telephone Fax Email Website Business Brands	Mr. Cheung Kwok-chung 張麗祥先生 Director Unit B, 9/F. 170 Wai Yip St. Kwun Tong KLN 23422330 27979079 datrin@datrin.com.hk www.datrin.com.hk Plastic injection mould
Factory Name Factory Address Factory Rep Tel Fax	理達工業 廣東省 東莞市 橫距鏡新四餐理區(派出所對面) 孫既祥先生 769-3372670 769-3375671

#### A4699

# DOPHEN ENGINEERING CO. LTD. 杜芬工程有限公司

Representative	Mr. William Jim: 詹廷羅先生 Managing Director
Address	9/F., Flat 1-6, New City Centre 2 Lei Yue Mun Rd. Kwun Tong KLN
Telephone	27274481
Fax	27966182
Email	dophen@netvigator.com
Website	www.dophen.com.hk
Business	CNC EDM, copper wire cut machine, CNC milling machine, machining centre, drill-tap centre, electric injection machine, CNC lathe, CNC EDM drill, digital scanning machine, CMM, projector, 5-axis machining entre, CNC welding machine, EDM turn-mill centre, wire cut machine.
Brands Certifications	Mesonwhite E
Factory Name	(2)
Factory Address	
Factory Rep	
Tel	
Fax	_

#### D0201

# EVERFINEST ENGINEERING CO. LTD. 南烽工程有限公司

٦	Representative	Mr. Henry Liu 廖彤光先生 Director
	Address	Unit 2202, 22/F., Westley Square 48 Hoi Yuen Rd. Kwun Tong KLN
	Telephone	21724138
	Fax	21724208
	Email	info@everfinest.com
	Website	www.everfinest.com
	Business	Hot runner system solution: manifold nozzle hot h temperature controller, heater, thermocouple, electri- connector, machine & mould parts
	Brands	- Committee of the Comm
	Certifications	
	Factory Name	南烽晴密机械(深坝)有限公司
	Factory Address	廣東省 深圳市 龍崗平湖新木盛低破產業園C模1權
	Factory Rep	器成餘
	Tel	755-28325180
	Fax	755-28325136

# A8950 EXCELIGHT LTD. 優異有限公司 Representative Mr. Ringo Ng 美寶良先生 Assistant General Manager Unit 2, 8/F., Bix. 4, Tai Ping Ind. Ctr. 51A Ting Kok Rd. Tai Po NT Telephone Fax 24210883 Email Website Business Mould & die related services, plastic mould, mould & die components, plastic injection mould Brands Certifications ISO 9001:2000

吳岫良先生 755-27423420 755-27423419

#### A9834

技术制造二級 廣東省 深圳市 寶安區沙井鎮極崗松山工業區商貨路3號

#### EXCELLENT MARGIN INVESTMENT LTD. 任盈投資有限公司

Factory Name Factory Address

Factory Rep

Representative	Mr. Chi-Kit Yiu - 姚之榮先生 Director
Address	Flat 706, 7/F., Yan Hing Centre
Telephone	9-13 Wong Chuk Yeung St. Fo Tan NT 26016300
Fax	26013037
Email	
Website	www.garbo-inter.com
Business	Clock & movement manufacturing & trading
Certifications	_
Factory Name	<u> </u>
Factory Address	廣東省 更莞市 塘廣鎮平山村188工業區
Factory Rep	姚之禅先生
Tel	769-87886278
Fax	769-87886298

#### A7451

#### FINE CHIT METAL MANUFACTORY LTD. 快捷五金製品廠有限公司

Representative	Mr. Man-Ful Yeung 權文室先生 President
Address	Flat H&J, 19/F., Gold King Ind. Bldg. 35-41 Tai Lin Pai Rd. Kwai Chung NT
Telephone	24264763
Fax	24815700
Email	director@finechit.com
Website	
Business	Metal stamping die, mould & die bases & tool steels
Brands	
Certifications	ISO 9002
Factory Name	惠州快捷五金科品有限公司
Factory Address	廣東省 惠州市 博羅縣義和鎮
Factory Rep	莊詩鄉小姐
Tel	752-6314839
Fax	752-6314849





# 會員名錄

## MEMBER LIST 會員名錄

	A8951
輝碩精密模具有	D & MANUFACTORY LTD. 限公司
Representative	Mr. Hung-Fai Yuen 阮雄輝先生 Director
Address	Unit 13, 12/F., Shing Yip Ind. Bidg. 19-21 Shing Yip St. Kwun Tong KLN
Telephone	26047698
Fax	26041788
Email	info@finetech.com.hk
Website	www.finetech.com.hk
Business	Die-casting mould, mould making tools, plastic injection mould, injection mass production assembly
Brands	Fine Tech
Certifications	ISO 9000:2008, Sedex
Factory Name	焊碳型塑模具廠
Factory Address	廣東省 東莞市 長安鎮沙頭新沙工業園
Factory Rep	布先生
Tel	769-85320186
Fax	769-89046675

### A9431

# FINEPLAS (CHINA) LTD. 精塑 (中國) 有限公司

Representative Address Telephone Fax Email Website Business Brands Certifications	Ms. Lun-Ho Hul 計論好女士 P & A Manager Unit 606A, Nanyang Plaza 57 Hung To Rd. Kwun Tong KLN 29511800 29511899 cynthia@choel.com.hk www.choel.com.hk Mould & die related services, metal die casting
Factory Name	精體汽配料技(惠州)有限公司
Factory Address	廣東省 惠州市 惠城區汝聯領尾凹村成號工業園
Factory Rep	興炳輝先生
Tel	752-2793348
Fax	752-2793349

#### A9929

# FULLMARKS METAL TECHNOLOGY CO. LTD. 宣河韓县有限公司

Representative	Mr. Harry To Wai-Hung 同偉洪先生 Director
Address	Flat E, 5/F., Wang Yip Centre 18 Wang Yip St. East Yuen Long NT
Telephone	24772911
Fax	24772921
Email	tomato@meproducts.com.hk
Website	
Business	Metal stamping and mould manufacturing
Brands	
Certifications	
Factory Name	
Factory Address	
Factory Rep	
Tel	
Fax	

The state of the	A4703
GENERATION MOLD MAKING FACTORY 現代模具製造廠	
Representative	Mr. Nip Shul-kuen 森瑞槿先生
Address	Proprietor Rm. 2001, 20/F., Jupiter Tower 9 Jupiter St. North Point HK
Telephone	25660161
Fax	25660931
Email	ngyk@inno-lel.com
Website	The second second
Business	Mould making tools
Brands	
Certifications	
Factory Name	珠海市健康印材制造有限公司
Factory Address	廣東省 珠海市 斗門縣白蕉鎮開發區
Factory Rep	製冠文先生
Tel	756-5511028
Fax	756-5511960

# GOOD PROFIT HEAT TREATMENT (CHINA) CO. LTD. 萬利達熱處理 (中國) 有限公司

100	
Representative	Mr. Kwok-Keung Cheung 歪醯強先生 Managing Director
Address	Flat I-J, 14/F., Universal Ind. Centre 19-21 Shan Mei St. Fo Tan NT
Telephone	26940556
Fax	26954623
Email	info@gpht-hk.com
Website	www.gpht-hk.com
Business	Heat treatment
Brands	
Certifications	ISO TS 16949:2009
Factory Name	萬利達熱查理
Factory Address	廣東省 深圳市 賈安區福永鎮接種單衡工業團五區35樓
Factory Rep	英國衛先生
Tel	755-29924775
Fax	755-29601959

#### A7732

A8731

# GOOD STAR PLASTIC & METAL FACTORY LTD. 冠星塑膠五金廠有限公司

Representative	Mr. Fung Chi-ming 馮志明先生 Director
Address	Flat A-B, 3/F., Wang Kwong Ind. Bldg. 45 Hung To Rd. Kwun Tong KLN
Telephone	23428961
Fax	23433569
Email	martinfung@goodstar.com
Website	All commences with
Business	OEM products, plastic box, plastic stationery
Brands	
Certifications	ISO 14001
Factory Name	採利市職用這個開文員廳
Factory Address	廣東省 深圳市 龍樂區極敞螺紅栎三路240號189工業區 郵編:518115
Factory Rep	邁志明先生
Tel	755-28630806
	755-28631197

# GOOD VIEW INDUSTRIAL CO. LTD.

Mr. Chun-Kit Tsoi 蘇俊傑先生 Marketing Manager
Unit 1504, 15/F., Nanyang Plaza 57 Hung To Rd, Kwun Tong KUN
27274484
27727094
kenneth.tsoi@goodview.com.cn
www.goodview.com.cn
Design and manufacturing of injection moul manufacture of plastic products
東莞長安慶周好是榮膠五金制品廳
廣東省 東莞市 長安鎮廣南社區復興路2號
190 mm
769-85411083
769-85543255

#### A6640

# GOODBASE OVERSEAS LTD. 业基海外有限公司

好景塑膠製品有限公司

Representative	Mr. Chung Koon Wing 鍾官學先生 Managing Director
Address	Unit 50, 16/F., Blk. F, Wah Lok Ind.Ctr. 31 Shan Mei St. Fo Tan, Shatin NT
Telephone	26013006
Fax	26013534
Email	info@goodbase.com.hk
Website	www.goodbase.com.hk
Business	Die-casting mould, plastic injection mould (PCB mould, PCB punching service)
Brands	=
Certifications	ISO 9002
Factory Name	實安區沙井鎮街邊兆基線路皮模具廠
Factory Address	廣東省 深圳市 沙井鍋街邊村街邊工業區D6及D7種
Factory Rep	李祺光先生
Tel	755-27206571
Fax	755-27722712

#### D0046

# HEATLOCK CO. LTD.

Representative	Mr. Calle Helldin Director
Address	1805 Wealth Commercial Centre 48 Kwong Wa St. Mongkok KLN
Telephone	81205469
Fax	26535230
Email	frontdesk@heatlock.com
Website	www.heatlock.com
Business	Swedish technology hot runner solution provider. Operation according to global business standards with a strict quality and management system as key ingredients. Over 30 years' experience with global service.
Brands	Service American American Inches American
Certifications	
Factory Name	像山市順德區愛德凡施採現設備有限公司
Factory Address	廣東省 保山市 顺德區土高額金茂華 英建漢場1座1108室・鄭編: 528311
Factory Rep	Mr. Calle Helidin
Tel	757-26381992

HERMON INDU	
源與盛實業有限	公司
Representative	Mr. Shing-Pui Lau 劉麟培先生
Address	Director  Bik, F, 13/F., Efficiency House  35 Tai Yau St, San Po Kong KLN
Telephone	28511729
Fax	26900455
Email	hermon@hermon.com.hk
Website	www.hermon.com.hk
Business	Investment casting metal parts, CAD-CAM services & system, die-casting mould, plastic injection moulds, rapid prototyping
Brands	STOREST CONTRACTOR
Certifications	ISO 9001
Factory Name Factory Address	信理五金制品機 廣東省 東莞市 茶山朝塔塔竹元山工業區 新紀県生生

# HI-TECH INDUSTRIAL (ASIA) LTD

769-86646078 769-86413172

HI-TECI	HINDU:	STRIAL	ASIA	LTD.
豐達實	業(亞洲	) 有限公	公司	

Representative	Mr. Chan Yu-chun, Alan 陳汝俊先生 Director
Address	Rm. 12. 24/F., Wah Fat Ind. Bldg. 10-14 Kung Yip St. Kwai Chung NT
Telephone	24109696
Fax	24182171
Email	hitech@moldmaker.com.hk
Website	www.hitechmold.com.hk
Business	Plastic mould
Brands	A
Certifications	ISO 9001
Factory Name	東莞虎門南橋利手型隊制品直
Factory Address	廣東省 東莞市 虎門南桐第一工業區38-39様
Factory Rep	陳汝俊先生
Tel	769-85565160
Fax	769-85561931

#### A9930

A7811

# HONEY BEE (HONG KONG) LTD. 蜜蜂 (香港) 有限公司

RepresentativeMr.	Mr. Wah-Leung Chan 陳華良先生 General Menager
Address	Flat L, 12/F., Ph. 4, Kwun Tong Ind.Ctr. 436-446 Kwun Tong Rd. KLN
Telephone	27972802
Fax	27930358
Email	sales@hkhoneybee.com
Website	www.hkhoneybee.com
Business	Mould, electronic and plastic products manufacturing
Brands	Many and additional many desirable strain desirable strain
Certifications	~
Factory Name	藍蜂 (中國) 有限公司
Factory Address	廣東省 惠州市 惠陽經濟開發區惠南大遊蜜蜂工業園
Factory Rep	陳華貞先生
Tel	752-3539815
Fax	752-3539825





HEIVIBER	LIST
	會員名錄

HONG KONG SO'S HEAT TREATMENT CO. 香港蘇氏熟處理公司

A5731

A4743

#### HONGRITA MOLD LTD. 鴻利達模具有限公司

Mr. Choi Chun Kit 颜俊杰先生 Managing Director No. 701, 7/F., Kwong Sang Hong Centre 151-153 Hoi Bun Rd, Kwun Tong KLN Representative Address 23895193 27908069 felluchoi@hongrita.com Telephone Email www.hongrita.com Plastic injection mould, includes multi-component mould high cavitation mould, stack mould, mould with in-mould assembly, LSR mould Website Business Brands Certifications 鴻柯建模具《深彩》有限公司 廣東省 深圳市 龍崗區布古街道甘坑社區甘亭2路1號 Factory Name Factory Address 育使杰先生 755-28558266 755-28559902 Factory Rep Fax

A9250

# HOP NGAI INDUSTRIAL LTD. 全藝實業有限公司

古製具来有限公司		
Representative	Mr. Kent Leung Kan-Yung 梁爾用先生 President	
Address	Unit 3, 4/F., Hentley Centre 9 Bute St. Mongkok KLN	
Telephone	23579338	
Fax	27973248	
Email	info@hopngai.com.hk	
Website	www.hopngai.com.hk	
Business	Plastic mould, mould making and plastic industry	
Brands		
Certifications		
Factory Name	東莞航升實置有限公司	
Factory Address	要责省 未英市 黃江蘇北洋村聯成工業器	
Factory Rep	深簡用先生	
Tel	769-83668283	
Fax	769-83668299	
	The second secon	

A9627

HOYU DIGITAL TOOLING (HK) LTD. 朋友精密模具 (香港) 有限公司

\*\*\*\*\*\*

Representative Mr. Andy Chu Siu-Kei 朱慈雄先生
Business Operations Director
Address Suite 1014, 101F., Concordia Plaza
1 Science Museum Rd. Tsimshatsui East KLN
24296999
Fax 24296866
Email andychu@hthk.com
Website www.hdi-hk.com
Business Plastic mould
Brands —
Certifications —

Pagfig (深圳) 有限公司
Eps 深刻市 龍崗區橫崗祖道整蓋語26號
Factory Address 原文語 深刻市 龍崗區橫崗祖道整蓋語26號
Factory Rep
Tel 755-28511028
Fax 755-28511038

A7600

#### HOYU TOOLING LTD. 朋友模具有限公司

/////////

A9677

#### HUA XING MOULD STEEL METAL CO. LTD. 菱雕樓具鋼材五金有限公司

Representative	Ms. Joey Zhang 張沙橋女士 Assistant to General Manager
Address	Flat 701, Sino Centre 582-592 Nathan Rd. Mongkok KLN
Telephone	31566528
Fax	34920458
Email	joey@hxl.com.hk
Website	www.hxl.com.hk
Business	Mould & die
Brands	
Certifications	
Factory Name	深圳市華風隆横貝備有限公司
Factory Address	廣東者 深圳市 龍崗楼曲四琴排槽三直攀工業區
Factory Rep	禁金篇女士
Tel	755-28699555
Fax	755-28699559

A8138

HUNG FUNG METAL 鴻豐五金

\*\*\*\*\*\*\*

Address Assistant to Director

Address GF, 73-78, Bik. 2, Yip On Ind. Bidg.
Wang Hol Rd. Kowloon Bay KLN

Telephone 27571517
Fax 27968528
Email onling93@hotmail.com
Website www.hungfung-metal.com.cn
Business Metal stamping die, mould & die components, plasti injection mould

Brands Cortifications ISO 9001:2008

Factory Name Factory Address Factory Rep Tel 752-2596076
Fax 752-2596077

A9854

#### INNOTECH ADVANCED PRODUCTS LTD. 液律產品發展有限公司

Representative	Mr. Alan Suen 孫繼銓先生 Managing Director
Address	Workstop C, 31/F., TML Tower 3 Hai Shing Rd. Tsuen Wan NT
Telephone	26147.138
Fax	26142816
Email	alan@innotech-hk.com
Website	www.innotech-hk.com
Business	Floor cleaning products, Smarthome Control System, household appliances, metal & plastic parts
Brands	
Certifications	-
Factory Name	東莞德鎮精密機構產品有限公司
Factory Address	廣東省 東莞市 横蹬鳞三江工業區106號&121標
Factory Rep	馬澤權
Tel	769-81016028-886
Fax	769-81016029

A7559

# INTELLIGENT CAD/CAM TECHNOLOGY LTD. 智誠科技有限公司

Representative	Mr. Kennath Hu 夏家僑先生 Senior Sales Manager
Address	Units 811-812, 8/F 16 Science Park W. Ave. HKSciencePark,Shatin NT
Telephone	24258136
Fax	24258098
Email	kenneth@ict.com.hk
Website	www.ict.com.hk
Business	ICT also offers spectrum of solutions on computer-aided design (CAD), computer-aided engineering (CAE), product data management (PDM), 3D digitising and 3D printing (3DP)
Brands	ALCOHOLOU .
Certifications	
Factory Name	Strategic Strate
Factory Address	
Factory Rep	
Tel	
Fax	

A8887
ISEN (CHINA) INDUSTRIAL CO. LTD.

友信 (中國) 實業有限公司

Representative

Mr. Liao Quan, James 廖泉先生
Director

Unit 7-8, 13/F., Progress Comm. Bidg.
9 Irving St. Causeway Bay HK

Telephone
Exa 28828404
Email Jack\_pu@isen.com.nk
Website Www.isen.com.nk
Website Www.isen.com.nk
Precision plastic mould designing and manufacturing, precision injection moulding, second processing
ISEN
Certifications

Exactory Name 大信精密實際(深圳)有限公司
原来省、深圳)有限公司
原来省、深圳)有限公司
原来省、深圳)有限公司
原来省、深圳)有限公司

厚泉先生 755-27251608

A4711

## KALARIE & CO. LTD. 传利來举行有限公司

Factory Rep

在13小子11日1844-1		
Representative	Mr. Y.S. Wong 養有成先生 Managing Director	
Address	Rm. 306, Join-In Hang Sing Centre 71-75 Container Port Rd. Kwai Chung NT	
Telephone	24191616	
Fax	24191549	
Email	louisa@kalarie.com	
Website	www.kalarie.com	
Business	Mould & die components, oil cleaners	
Brands	JKB, Ikegami, Tiger, Sansei, Hitachi, Dyros, Niigata Triple R	
Certifications	ISO 14001, ISO 9001	
Factory Name	佳利來實職(深圳)有限公司	
Factory Address	廣東省 深圳市 寶安區松園鎮潭磯村潭頭 第二工章區美容路2號	
Factory Rep	製竹良先生	
Tel	755-27134060	
(200)	755-07404050	

A9775

#### KENTA ENTERPRISE CO. LTD. 健士企業有限公司

健大企業有限公司		
Representative	Ms. Maggie Tsol 蔡芷順女士 Assistant General Manager	
Address	Flat B & C, 11/F., Winner Fty. Bldg. 55 Hung To Rd. Kwun Tong KLN	
Telephone	23411597	
Fax	23433650	
Email	info@kenta.com.hk	
Website	www.kenta.com.hk	
Business	Extensive range of high quality electronic plast components, including: automotive parts, precisio plastic parts, network connector parts, adapter casing transformer bobble and SMD parts.	
Brands	Particular Control of the Control of	
Certifications	ISO9901, ISO14001, ISO TS16949	
Factory Name	東莞長安健大電票制品有限公司	
Factory Address	漢東省 東莞市 長安鎮錦鷹河西工業福	
Factory Rep	禁芷珊女士	
CAMPBULL CONTROL OF THE		





KENZYMI PREC 佳士美精密工程	
Representative Address Telephone Fax Email Website Business Brands Certifications	Mr. Y. Ming Lau 數國明先生 CEO/President 1/F., Bik. 3, Tai Ping Ind. Centre 53 Ting Kok Rd. Tai Po NT 23418192 23428447 kzmming@kenzymi.com — Mould & die accessories, mould & die related services, metal die casting, mould & die machinery & equipment, plastic mould —
Factory Name Factory Address Factory Rep Tel Fax	

## KI DI TRADE CO. 凱迪貿易公司

Representative	Mr. Zhiguo Liu 藝治國先生 Vice-General Manager
Address	Rm. 305; Car Po Comm. Bidg. 18-20 Lyndhurst Terrace Central HK
Telephone	27235603
Fax	
Email	kidikt@vip.163.com
Website	www.kidihk.com.cn
Business	TOYO graphite materials, graphite products, graphit tools & graphite CNC machines
Brands	
Certifications	
Factory Name	原圳市製造貿易有限公司
Factory Address	廣陳省 深州市 光明新高公明斯泰底著田社區 新興路1號一樓107
Factory Rep	<b>美小燕</b>
Tel	755-27055556
Fax	Page Reserve

A8983

## KIN TAT RUBBER TECHNOLOGY LTD. 取谑搶壓到坊右關公司

堅達橡膠科技有限公司		
Representative	Mr. Kenny Nip	
Address	Rm. 509, 5/F., Shun Fat Ind. Bldg. 17 Wang Hoi Rd. Kowloon Bay KLN	
Telephone	27968941	
Fax	27988050	
Email	info@kintat.com	
Website	www.kintat.com	
Business	Mould & die machinery & equipment, die-casting moul mould & die components, rubber products & component	
Brands		
Certifications	ISO14001, ISO/TS18949, ISO9001	
Factory Name	江門緊連推聯製品處有限公司	
Factory Address	廣東省 江門市 外海航路三工業盃	
Factory Rep	美小寶	
Tel	750-2034488	
Fax	750-3800800	

KINOX ENTERPRISES LTD. 建樂士企業有限公司	
建荣工正荣有权 Representative	Mr. Cliff K. Sun 孫敢欺先生
And the second second	Executive Director
Address	20/F., Kinox Centre 9 Hung To Rd. Kwun Tong KLN
Telephone	23896261
Fax	23432111
Email	enquiry@kinex.com
Website	www.kinox.com
Business	Mould & die components
Brands	KINOX, Connoisserve
Certifications	ISO 9001, HK Q-Mark
Factory Name	連絡士工業 (深圳) 有限公司
Factory Address	賽裝舍 深圳市 龍崗墨平型鎮新木村
Factory Rep	<b>资油</b> 舞先生
Tel	755-84688833

# KONG LEE INDUSTRIES (INTERNATIONAL) CO. LTD. 港利實業(國際)有限公司

755-84888574

A5347

A7987

Representative	Mr. Thomas Ting 丁錫琴先生 Director
Address	9-11, Bik. B, 4/F , 11 Hang Wai Ind. Ctr. 6 Kin Tai St. Tuen Mun NY
Telephone	24517225
Fax	24627622
Email	thomasting@konglee.com.hk
Website	www.konglee.com.hk
Business	Mould & die related services, plastic mould
Brands	
Certifications	ISO 9001
Factory Name	成門港利亞蘇壓鑄工模鐵
Factory Address	摄泉省 東莞市 虎門鎮口第一工業區
Factory Rep	李旗做先生
Tel	769-5516897
Fax	769-5510231

# KUNDA MOULD (INTERNATIONAL) CO. LTD. 群達模具 (國際) 有限公司

Representative	Mr. Cai Kaoqun 顾考都先生 Proprietor
Address	Rm. 2203, Righteous Centre 585 Nathan Rd. Mongkok KLN
Telephone	27709633
Fax	27558697
Email	kunda@kunda.com.hk
Website	www.kunda.com
Business	Plastic injection mould, plastic moulding
Brands	THE RESIDENCE OF THE PARTY OF T
Certifications	
Factory Name	群媒提具 (國際) 有限公司
Factory Address	廣東省 深圳市 布吉頓島原村村委辦公大樓對面
Factory Rep	
Tel	755-28762923
Fax	755-28762386

#### A6602 KWOK FAI ENGINEERING & INDUSTRIAL CO. 國輝工程實業公司

Representative	Mr. Law Yin Chiu 羅廷超先生 Director
Address	Flat A, 38/F., Blk. 1, The Waterside 15 On Chun St. Ma On Shan NT
Telephone	26715236
Fax	26300166
Email	kwokfai@kfmould.com
Website	www.kfmoid.com
Business	Die-casting mould, plastic injection mould
Brands	-
Certifications	
Factory Name	國際 (中國) 精密制模層
Factory Address	廣東省 深圳市 實安區沙井镇和一村第二工業區第五幢 郵調:518104
Factory Rep	羅延起先生
Tel	755-27568585
Fax	755-27568311

# LAP CHI MOULDING CO. LTD. 立志模具有限公司

利德塑膠五金製品廠有限公司

Representative	Mr. Yau-Keung Wong 王瓊強先生 Director
Address	Unit 7, 20/F., Blk. A, New Trade Plaza 6 On Ping St. Shatin NT
Telephone	26359608
Fax	26359971
Email	admin@lapchi.com.hk
Website	www.lapchi.com.hk
Business	Plastic mould, double injection mould, gas assist mould over/insert mould, die casting mould
Brands	
Certifications	=
Factory Name	東第店盛營隊製品有限公司
Factory Address	廣東省 東莞市 石排網大點工業團
Factory Rep	王蟾強先生
Tel	769-6510377
Fax	769-6526061

# A9861 LEE TACK PLASTIC & METAL MANUFACTORY LTD.

Representative	Mr. Stephen Chan K.K. 辣腹基先生 General Manager
Address	Unit 1606-9, 16/F., Tower A, Regent Ctr. 63 Wo Yi Hop Rd. Kwali Chung NT
Telephone	24226231
Fax	24871902
Email	sales@leetack.com
Website	www.leetack.com
Business	Metal and plastic stationery
Brands	LETACK, LETACK CRAFT, UNEED, INOZTO
Certifications	ISO 9001, GS
Factory Name	料像文具制品(深圳)有限公司

A STATE OF THE STA
利機文具制品(深圳)有限公司 廣東省 東莞市 長安鎮振安西路9號2C06
(指皮科技服内)
原國基先生
769-89299988

////////	A9983
LIK KIN INDUSTRIES LTD. 力堅實業有限公司	
Representative	Mr. Wai-Kuen Ho · 哲學權先生
Address	Director  Rm. 2, 8/F., Fonda Ind. Bidg.  37-39 Au Pui Wan St. Fo Tan, Shatin NT
Telephone	23442256
Fax	23421027
Email	wkho@likkin.com
Website	
Business	Producing electronic, toys electronic modules, injection tooling
Brands	
Certifications	-
Factory Name	力學硬聯五金综合制品廠
Factory Address	廣東省 東莞市 長安鎮街口部
Factory Rep	何偉權先生
Tel	13600242554

A6124

A4716

# LINTALL INDUSTRIES LTD. 先豪實業有限公司

A8922

Representative	Ms. Katherine Ng Wai Ngo 吳惠斌女士 Director/Manageress
Address	Flat 27-28, 14/F., Thriving Ind. Centre 26-38 Sha Tsui Rd. Tsuen Wan NT
Telephone	24112130
Fax	24121020
Email	katherine@lintall.com.hk
Website	www.lintail.com.hk
Business	Plastic injection components & moulds
Brands	— Company of the Comp
Certifications	ISO 9001
Factory Name	先臺模具型膠彩品類
Factory Address	廣東省 深圳市 寶安區沙井鎮上聚黃網路71號
Factory Rep	南龍樂
Tel	765-27242882
Fax	755-27242867

# LUEN SHING HOLDINGS LTD. 聯盛控設有限公司

Representative	Mr. Yuen-Sum Kan 葡萄菜先生 Executive Director
Address	Rm. 10-11, 2/F., Kwong Sang Hong Centre 151-153 Hoi Bun Rd. Kwun Tong KLN
Telephone	27970890
Fax	23415851
Email	samuelk@luenshing.com.hk
Website	www.luenshing.com.hk
Business	Die-casting mould, plastic injection mould, blow mould
Brands	
Certifications	ISO 9001
Factory Name	廣州市學施塑料五金有限公司
Factory Address	直東省 廣州市 看提區權核額太平工業區民生路165% 蘇編 511480
Factory Rep	簡照強先生
Tel	20-84928001
Fax	20-84928002





LUEN TAI INTERNATIONAL MOULD LTD.		A8411
聯大國際模具有 Representative	限公司 Mr. Luen-Tai Chung 越导大先生	
representative	Managing Director	
Address	Rm. 913, 9/F., Kenning Ind. Bldg. 19 Wang Hoi Rd. Kowloon Bay KLN	
Telephone	27966440	

Email www.luentai-intl.com.hk Plastic mould Website Brands Certifications 東莞郡大精密模員有限公司 吳東省 東莞市 鳳遊議全属風工業區 鏡際大先生 Factory Name Factory Address Factory Rep 769-87757668 769-87757628

A4718

#### LUNG KEE METAL LTD. 龍記五金有限公司

Fax

Representative	Mr. Alan Siu Yuk Lung 邵玉龍先生 Managing Director
Address	20/F., Crocodile Centre 79 Hot Yuen Rd. Kwun Tong KLN
Telephone	23422248
Fax	21917292
Email	lkmetal@lkm.com.hk
Website	www.ikm.cn
Business	CAD-CAM services & system, heat treatment, mould die bases & tool steels, mould & die components
Brands	Lung Kee Mould Base, Lung Kee Steel, LKM
Certifications	ISO 9002
Factory Name	河源離記金運制品有限公司
Factory Address	廣東省 河原市 高埔工業區·聯線:517000
Factory Rep	丁家浩先生
Tell	762-3210502
Fax	762-3210501

A7683

## MAN FUNG MOULD INDUSTRIAL CO. LTD.

Representative	Mr. Wai-Man Cheng 要應民先生 Director
Address	Rm. B9, 11/F., Blk. B.Mai Hing Ind.Bldg. 16-18 Hing Yip St. Kwun Tong KLN
Telephone	27630068
Fax	27630068
Email	venus@mfmould.com
Website	www.mfmould.com
Business	Mould making, moulding and assembly
Brands	
Certifications	ISO 9001:2008
Factory Name	民豐模具實業有限公司
Factory Address	香港 九龍官塘與業街16-18號 美興工業大廈8座11樓9室
Factory Rep	鄭原民先生
Tel	(852) 27630068
Fax	(852) 27630068

A8194 \*\*\*\*\*\* MASS JET INDUSTRIES LTD. 茂澤實業有限公司 Mr. Tat-Yan Wong 黃建仁先生 Executive Director Assistant Jetta House 19 On Kul St., On Lok Tsuen Fanling NT 26800268 26800668 Representative Address Website Business Brands Certifications 廣州法澤獎具實業有限公司 資家舍 廣州市 白管區均禾街器跨工業區 藝盛 510440 Factory Name Factory Address

#### MING LEE TOOL-STEEL & MACHINES CO. LTD. 明利鋼材有限公司

Factory Rep

Representative	Mr, Patrick Ho Pak-Kin 何柏聚元生 Director
Address	Unit 2102-4, 21/F., Tower 2, Metroplaza 223 Hing Fong Rd. Kwai Fong NT
Telephone	24013883
Fax	24013939
Email	info@minglee.com
Website	www.minglee.com
Business	Mould bases, mould component, machining service, deep hole drilling machinery manufacturing
Brands	ML-TS、明利鋼材、WIM
Certifications	ISO 9001
Factory Name	東莞明利鋼材模具制品有限公司
Factory Address	廣東省 東莞市 大朗鎮高英村高英路118號
Factory Rep	李效明先生
Tel	769-83316878
Fax	769-83317023
The second secon	

#### NAGASE (HONG KONG) LTD. 長瀬(香港)有限公司

Representative	Mr. Yuya Kuwamura 桑村夏矢先生 Deputy General Manager
Address	3901, Tower 6, The Gateway, Harbour City
	9 Canton Rd. Tsimshatsul KLN
Telephone	23027691
Fax	23772728
Email	winnie@nagase.com.hk
Website	www.nagase.com.hk
Business	Chemicals, plastics and electronic components
Brands	
Certifications	
Factory Name	
Factory Address	
Factory Rep	
Tel	
Fax	

A9460 NAUTICAM INTERNATIONAL LTD.

Representative	■ Mr. Yuk-Shing Lai 黎玉成先生	
	Managing Director	
Address	Rm. 2203, CCT Telecom Bidg.	
	11 Wo Shing St. Fo Tan NT	
Telephone	26902711	
Fax	26909778	
Email	-	
Website	www.nauticam.com	
Business	Precision injection mould building	
Brands	The state of the s	
Certifications	=	
Factory Name	-	
Factory Address		
Factory Rep		
Tel	-	
Fax		

/////////

#### NEW WAY CO. 樂事公司

A4723

D0025

<b>朱思公可</b>	
Representative	Mr. Tam Sai Chi, Erny 讀世枝先生 Managing Director
Address	Rm. 1-2, 14/F., Bright Way Tower 33 Mongkok Rd. Mongkok KLN
Telephone	23906338
Fax	27879611
Email	hongkong@nw.com.hk
Website	www.nw.com.hk
Business	Die-casting mould, heat treatment, metal stamping die, mould & die bases & tool steels, mould & die components, mould for expandable polystyrene moulding, mould making tools, mould polishing services, plastic injection mould
Brands	Aida, Kuroda, Odawara, Nittoku, Elecometer, Eog, Emic
Certifications	-
Factory Name	须德樂惠沖歷技研
Factory Address	廣東省 停山市 原推區倫敦鎮薩洲路三洲工業區
Factory Rep	輝世枝先生
Tel	757-27835820
Fax	757-27339114

A4725

A4992

#### NEW WELL INTERNATIONAL METALWARE LTD. 新井國際貿易有限公司

Representative	Mr. Thomas Hung 洪俊里先生 Manager
Address	6/F., Blk. A-D. Effort Ind. Bldg 2-8 Kung Yip St. Kwai Chung NT
Telephone	24218351
Fax	24805549
Email	info@newwell.com
Website	www.newwell.com
Business	CAD-CAM services & system, die-casting mould heat treatment, motal stamping die, mould & die base & tool steels, mould & die components, mould expandable polystyrene moulding, mould making tools mould polishing services, plastic injection mould
Brands	"DENIS" DIAMOND TOOLS, "HART" POLISHING STON & CUTTING TOOLS, LBK, CUTTING TOOLS, "NWN MOULD BASE, "NWM" MOULD COMPONENT, TAMA SPRING
Certifications	150 9001
Factory Name	廣州新井模胜工業有限公司
Factory Address	庙東省 東美市 虎門鎮路東斯安大道新安工夏區
Factory Rep	All controls
Tel	769-5263058
Fax	769-5263080

D0272 PMI JOINEASE HOLDINGS LTD. 太平洋市場國際頌怡控股有限公司 Mr. Kin-Wa Tong 運建華先生 General Manager Flat 19, 13/F., Leader Ind. Centre 57-59 Au Pul Wan St. Fo Tan NT Address Email Website www.pmljoinease.com Drinkware, kitchenware, LED night light, injection mould Brands Certifications 奔騰遞恰型繆鶴制品(惠州)有限公司 廣東省 應州市 博羅蘇福田鎮福建工業區 Factory Name Factory Address **施國語** 752-6866788 752-6866799

A9921

## //////// POLYFLOW HOT RUNNER TECHNOLOGY LTD.

Factory Rep

Representative	Mr. Daniel Wong Wal-Ming 黃錐明先生 General Manager
Address	Rm. 5, 20/F., Workingfield Comm. Bidg. 408-412 Jaffe Rd. Wan Chai HK
Telephone	26776822
Fax	26770083
Email	polyflow@polyflow.net
Website	www.polyflow.net
Business	Polyfiow hot runner systems
Brands	- Company Manager (1990)
Certifications	:-
Factory Name	-
Factory Address	廣東省 東莞市 凱恩頓油甘納水資理工業三路11號
Factory Rep	<b>新惠院女士</b>
Tel	769-82757782
Fax	769-82757781

A8984

#### PRECISE COMPUTER TOOLING CO. LTD. 精工電腦制模有限公司

Representative

Address Telephone Fax Email Website Business Brands Certifications	22/F., Tower B, Billion Centre 1 Wang Kwong Rd. Kowloon Bay KLN 29530383 29530393 foma@suga-electronics.com www.precisetooling.com.hk Plastic mould, mould & die related services, doul injection mould, plastic injection mould, mould make tools, secondary operation including silk screen printir pad printing, spray painting, etc.  ISO 9001:2000
Factory Name Factory Address	麗力一松本模員注證(應州)有限公司 廣東省 惠州市 仲恒高新技術產業開發區惠風四路5號 郵調:516006
Tel Fax	752-2618192 752-2618189





# 會員名錄

////////	A9401	
PRECISION MOI 精密机械有限公		
Representative	Mr. Man-Kee Chan 陳文祺先生 Sr. Director	
Address	1301, South Tower, World Finance Centre Harbour City Teinshatsui KLN	
Telephone	31855082	
Fax	31856245	
Email	chanmk01@mattel.com	
Website	And the second s	
Business	Mould & die	
Brands	=	
Certifications		
Factory Name	華泰精密机械有限公司	
Factory Address	獎賣者 佛山市 南南巡獅山鎮官窑辦事處永安大遊東	
Factory Rep	陳文祺先生	
Tel	757-85888477	
Fax	757-85888483	

#### A9475

#### PROSPERITY MOULDS AND PLASTIC PRODUCTS MANUFACTORY LTD. 寶時模具塑膠製品廠有限公司

Representative	Mr. Shu-Hung Luk 鞋樹滩先生 Director
Address	Unit A, 2/F., Hung To Centre 94-96 How Ming St. Kwun Tong KLN
Telephone	23375102
Fax	23377073
Email	info@prosperity-mould.com
Website	www.prosperity-mould.com
Business	Plastic mould manufacturing
Brands	
Certifications	
Factory Name	
Factory Address	廣東省 東莞市 長安鎮沙頭村新沙工業區
Factory Rep	禁责先
Tel	769-85543167
Fax	769-85315363

#### A7533

# //////// PRO-TOOLING PRODUCTS DESIGN LTD.

Representative	Mr. Gary Yam 任偉祥先生 Director
Address	Unit BA, 2/F., Hopeful Fly, Ctr. 10-16 Wo Shing St. Fo Tan, Shatin NT
Telephone	24100101
Fax	24100500
Email	eng@pro-tooling.com.hk
Website	www.pro-tooling.com.hk
Business	Mould & die related services, plastic mould
Brands	The state of the s
Certifications	
actory Name	科泰全型無難制品 (採明) 有限公司
Factory Address	賽度者 深圳市 耀曲医平湖街道山唐社區 平龍西路98號第1,2號蘇蔣
Factory Rep	任使祥先生
Tel	755-84655101
Fax	755-84655123

D0173

# ROEDERS (HK) LTD.

man .

Representative	Mr. Nelson Foo 轉正先生 CEO	
Address	Unit 304, 3/F., Fu Fai Comm. Centre 27 Hillier St. Sheung Wan HK	
Telephone	27850277	
Fax	27859557	
Email	nfoo888@msn.com	
Website	www.roeders.com.hk	
Business	Machinery trading & servicing	
Brands		
Certifications		
Factory Name	羅妮爾(蘇州)模具有限公司	
Factory Address		
Factory Rep	34 Sept.	
Tel	765-27679787	
Fax	755-29703101	

#### A5290

#### SAM TAI ELECTRICAL MACHINERY CO. 三泰電機公司

Representative	Mr. Lam Foo-hung 林富雄先生 Director
Address	Blk, A, 2/F., Unit 19.Ho: Luen Ind. Ctr. 5S Hoi Yuen Rd. Kwun Tong KLN
Telephone	29500473
Fax	29500517
Email	sales@bestgroup.com.hk*
Website	www.bestgroup.com.hk
Business	Mould & die bases & tool steels, mould & die components mould making tools, plastic injection mould
Brands	Military was a second of the s
Certifications	
Factory Name	会益歷摩五金製品施
Factory Address	廣聚省 東莞市 地度鎮龍貨後第一工業區
Factory Rep	陳少瑛女士
Tel	769-87916260
Fax	769-87916220
1986	MARKET COMMENT

#### A5503

#### SHINE BRIGHT INDUSTRIAL CO. LTD. 辰泰實業有限公司

Representative	Mr. Raymond Ha 夏融揚先生 Director
Address	Unit 504, 5/F., Sunbeam Centre
Telephone	27 Shing Yip St. Kwun Tong KLN 27969006
Fax	27965626
Email	info@skychances.com
Website	www.skychances.com
Business	Plastic injection mould (mould/plastic products)
Brands	
Certifications	ISO 9001:2000
Factory Name	新佳電子型課廳
Factory Address	廣東省 東莞市 清溪鎮羅馬銀泉第五工業區
Factory Rep	夏颠揚先生
Tel	769-7737200
Fax	769-7737800

# SHING FUNG PRODUCTS LTD.

#### 成豐制品有限公司

Representative	Mr. Johnny Wong 黃按翠先生 General Manager
Address	7/F., Kin On Comm. Bldg. 49-51 Jervois St. Sheung Wan HK
Telephone	69182026
Fax	35719160
Email	shinglung@s-fmould.com
Website	www.s-fmould.com
Business	Plastic mould, mould, injection, plastic products
Brands	Shing Fung
Certifications	ISO 9001
Factory Name	南和建設模具有限公司
Factory Address	高東省 深圳市 龍崗區布吉頓布沙路100號
Factory Rep	黃俊潔先生
Tel	755-28700396
Fax	755-28700352

#### A9051

A9647

# SHOUJI TOOLING FACTORY LTD. 東青林金型製造所有限公司

Representative	Mr. Lo Wing-wai
Address	Units C & D, 9/F., Sing Teck Fty. Bldg. 44 Wong Chuk Hang Rd. Aberdeen HK
Telephone	39650088
Fax	39650002
Email	loww@shoujitooling.com.hk
Website	www.shoujitooling.com
Business	Mould making (multi-colour mould, hot runner mould, mould injected by assisted gas, electro-deposit mould, beryllium copper mould)
Brands	
Certifications	
Factory Name	東青林會型製造所有限公司
Factory Address	廣東省 深圳市 寶安區沙井頓萬豐工業區 大師山西路一號
Factory Rep	-
Tel	755-27205239
Fax	755-27207327

#### A9430

#### //////// SHUN HING INDUSTRIAL INTERNATIONAL LTD. 信興實業國際有限公司

Contract Contract	General Manager
Address	Unit O, P, 5/F, Blk. 1,Kam Ho Ind, Bldg. 14-24 Au Pui Wan St. Fo Tan, Shalin NT
Telephone	26921368
Fax	26932939
Email	shunhing@shunhing-mfg.com
Website	www.shunhing-mlg.com
Business	Plastic tool making and plastic moulding
Brands	
Certifications	
Factory Name	信與五金難應廠
Factory Address	展集者 康美市 長安沙頭管理區中坊第一工業區 第六七幢
Factory Rep	元級奉先生
Tel	769-85543055
Fax	769-85543055

#### A8698 SHUN KING DIECAST MOULD MANUFACTURER

WOOM IN THE SECTION AND ASSESSMENT	(ACID DIESENSIA	
Representative	Mr. Tsoi Tsz-fong 菓子芳先生 Chairman	
Address	Unit 07, 08, 31/F., Asia Trade Centre 79 Lei Muk Rd. Kwai Chung NT	
Telephone	26119562	
Fax	24408087	
Email	shunking@netvigator.com	
Website	www.hk-sk.com	
Business	Metal products	
Brands		
Certifications	TS 16949	
Factory Name	<b>原業園稿密鐵造(深圳)有限公司</b>	
Factory Address	廣東省 深圳市 龍雄新區長層街遊丹湖社區機構工業區 16核類景面	
Factory Rep	正律事	
Tel	755-28014989	
Fax	755-28018932	

#### D0048

# SMARTEX (ASIA) LTD. 興佳 (亞洲) 有限公司

Representative	Mr. Fat-Yuen Ko 高發源先生 Director
Address	Unit B2, 15/F., Ph. 1,Superluck Ind.Ctr. 45-53 Sha Tsui Rd. Tsuen Wan NT
Telephone	31677629
Fax	31677664
Email	office@smartexasia.hk
Website	Allow-Accommode
Business	Guenther Hot Runner System, KraussMaffel Injec Molding Machine & S+S Metal Separator - Germi Nestal Injection Molding Machine - Swiss,EAS Ol Mold Change System - Holland (magnetic mold claplate),Plovan - Italy (dryer, conveying system, in temperature controller, dosing unit),RS In-mold Labe Station - Hong Kong,Shini Robot - China; Fasal - Aut (wood material - Injection grade)
Brands	_
Certifications	-
Factory Name	-
Factory Address	-
Factory Rep	韓城書
Tal	769.76916797

#### A8455

# SUN LEGEND TECHNOLOGY LTD.

////////

新源科技有限公司		
Representative	Mr. Stanley Cheung 要達材先生 Engineering Director	
Address	Rm. 1306, Kaiser Centre 18 Centre St. Sai Ying Pun HK 25173320	
Telephone		
Fax	25173320	
Email	sunlegend@netvigator.com	
Website		
Business	Plastic Injection mould	
Brands	LONG CONTRACTOR OF THE PARTY OF	
Certifications		
Factory Name	深圳市米高科技有限公司	
Factory Address	漢東省 泛坝市 寶安區松岩蒸川第一工業區	
Contract Days		

755-81440087 755-81440246





JEINIBER	LIST
	會員名鈞

	A9
SUNWAY PLASTICS & ELECTRIC (	HONG KONG) CO. LTD.
三威塑膠電子(香港)有限公司	

Representative	Mr. Lichun Bei. 貝理鏡先性 President
Address	20/F., Euro Trade Centre 21-23 Des Voeux Rd, Central HK
Telephone	E CONTRACTOR CONTRACTO
Fax	-
Email	mandywang@zssunway.com
Website	The second of th
Business	Tooking build, plastics manufacture for sanitary, furniture, appliance, automobiles as well
Brands	_
Certifications	
Factory Name	三蔵實業(珠淵)有限公司
Factory Address	度聚省 珠海市 香洲茑草威器111號(南山工業園)
Factory Rep	李珠斯
Tel	756-8650888
Fax	756-8511523

#### A8291

A9671

# TAT HING DEVELOPMENT LTD. 達興發展有限公司

Representative	Mr. Yang Yong-gang 模页岩先生 Chairman
Address	Flat 19, 20/F., Tower A, Regent Ctr, 63-73 Wo Yi Hop Rd, Kwai Chung NT
Telephone	25919198
Fax	25916773
Email	nancyj322/@hotmail.com
Website	www.thmoid.com
Business	CAD-CAM services & system, mould polishing services, plastic injection mould
Brands	
Certifications	
Factory Name	<b>東莞遠興模具有限公司</b>
Factory Address	養東省 東莞市 長安橋新民工業高
Factory Rep	<b>王賢徳先生</b>
Tel	769-5307732
Fax	769-5307726

#### A7534

# TEAM TECH DEVELOPMENT LTD.

Representative	Mr. Wong Chu Kwan, Raymond 英禧军先生 Director
Address	Flat M, 6/F., Hambest Ind, 8ktg. 45-47 Au Puil Wan St. Fo Tan, Shatin NT
Telephone	27657048
Fax	27657063
Email	enquiry@teamtech.hk
Website	www.teamtech.hk
Business	Plastic mould, plastic injection moulding, mechanica design & drawing, prototype, baby care products assembly production
Brands	
Certifications	ISO 9001:2008
Factory Name	護設型那樣負加工搬
Factory Address	廣東省 原州市 實安高石岩鎮黃峰岭工業藝界平路 168號
Factory Rep	黃曜家先生
Tel	755-27642107
Fax	755-27642006

#### D0005

# TECHNOVATION ENGINEERING LTD.

研科創意工程有限公司	
Representative	Mr. Alfred Au 歌性豪先生 Managing Director
Address	Flat D, 32/F., Blk. 7, Harbour Place 8 Ol King St. Hung Hom Bay KLN
Telephone	91900846
Fax	
Email	alfred@technovation.hk
Website	Harris St. Market Market Co.
Business	Plastic mould, total solution provider of IMD-IML/IM plastic parts from conceptual design to mass production
Brands	
Certifications	
Factory Name	
Factory Address	
Factory Rep	
Tel	
Fax	

#### A4748

# TK MOLD (HONG KONG) LTD. 東江模具(香港)有限公司

Representative	Mr. Godsend Lu 查功善先生 General Manager
Address	Workshop 19, 9/F , Blk B , Hi-Tech Ind. Ctr. 491-501 Castle Peak Rd. Tsuen Wain NT
Telephone	24141388
Fax	24136041
Email	gslu@tkmold.com
Website	www.tkmoid.com
Business	Plastic injection mould
Brands	TK Mold, TK Plastic, TK Precision, TK HOLDINGS
Certifications	ISO9001,ISO14001,TS16949,ISO13
Factory Name	東江楼具 (茶州) 有限公司
Factory Address	廣東省 深圳市 光明新區光明高新技術產業園區 東江科技園 蘇醋: 518107
Factory Rep	魔功者先生
Tel	755-23690086
Fax	755-23692700

#### D0230

#### TOOL AND MOLD HONG KONG LTD.

Representative	Mr. Fook-Chi Leung · 棄福志先生 Director	
Address	Shop K & B, G/F,, TML Tower 3 Hoi Shing Rd, Tsuen Wan NT	
Telephone	36203440	
Fax	36203442	
Email	fook.leung@toolnmold.com	
Website	www.foolnmold.com	
Business	Plastic injection mould making	
Brands	Martin Smith (Permitter)	
Certifications		
Factory Name		
Factory Address		
Factory Rep		
Tel		
Fax		

#### A4749

#### ULTRATECH MOLD DESIGN & MANUFACTURING CO. LTD. 雅達模具設計製造有限公司

Representative	■ Mr. Calvin Tan Che-Keung 陳志恒先生 ■ CEO
Address	Workshop 1, 7/F., Assun Pacific Centre 41 Tsun Yip St. Kwun Tong KLN
Telephone	23041360
Fax	23448405
Email	mdc@ultratech.com.hk
Website	www.ultratech.com.hk
Business	Plastic injection mould
Brands	ULTRATECH MOLD
Certifications	ISO 9001,ISO/TS 16949, VDA 6.4
Factory Name	<b>敦建高精密塑膠模具(深圳)有限公司</b>
Factory Address	東東省 深圳市 實安區松南街遊紅星社區港學傳通工業 第2號
Factory Rep	張鐸榮先生
Tel	755-89818822
Fax	755-29710810

#### A4751

# UNITEC MOULDS (HK) LTD. 統泰模具 (香港) 有限公司

Representative	Mr. Wan-Sang Tam III 医生先生 Managing Director
Address	Unit 6-8, 5/F., Well Fung Ind. Centre 58-76 Ta Chuen Ping St. Kwai Chung NT
Telephone	24210607
Fax	24201959
Email	evita@unitec-hk.com
Website	www.szunilec.com
Business	Plastic injection mould
Brands	OEM
Certifications	ISO 9001
Factory Name	統泰模貝施
Factory Address	廣東省 深圳市 龍崗區平湖鎮山農工業區
Factory Rep	陳富都先生
Tel	755-84654412
Fax	755-84654148

#### A9944

# UPOWER MOULDING CO. LTD.

Representative	Mr. Y.Z. Tang General Manager
Address	Unit 607, 6/F., East Ocean Centre 98 Granville Rd. Tsimshatsul East KLN
Telephone	28122977
Fax	25431328
Email	vicky@upowermould.com
Website	
Business	Plastic mould
Brands	
Certifications	
Factory Name	
Factory Address	廣東省 東莞市 瑜薩領科苑城工業品館乙三路3號
Factory Rep	黄灿才
Tel	769-87865777
Fax	769-82771108

#### WELLMEI MOLD AND PLASTICS INDUSTRIAL (HONG KONG) CO. LTD 匯美模具塑膠工業 (香港) 有限公司

	President
Address	Rm. 1511, 15/F., Hewlett Centre 52-54 Hoi Yuen Rd. Kwun Tong KLN
Telephone	23729680
Fax	23729556
Email	info@wellmel.cn
Website	www.wellmel.com
Business	CAD-CAM services & system, metal stamping die, mould & die bases & tool steels, mould & die components, mould making tools, mould polishing services, plastic injection mould
Brands	Epson, Minolta, JVC, Sanyo, 步步高, OKI, LG, Samsung, Radica, Motoroia, AT&T, Vtech, GSL
Certifications	Anti-tion Sub-track (10) In the Comment of the Comm
Factory Name	東莞羅美模具製造有限公司
Factory Address	廣東省 東莞市 長安蘭袋夏河西工業班
Factory Rep	製車
100	760.05252000

769-85641918

#### A8935

# WESTERN TOOL & MOLD LTD.

華夫亚胺快共有	限公司
Representative	Mr. Collin Ray Wekerson Director
Address	Flat 1, &F., Yee Lim Ind. Ctr., Blk. B 2-28 Kwal Lok St. Kwal Chung NT
Telephone	24191233
Fax	24190438
Email	cwikerson@wtmlimited.com
Website	www.wtmlimited.com
Business	Plastic mould, tool & mould manufacturing; rapid prototyping, Fused Deposit Modelling
Brands	G.
Certifications	ISO 9001:2008, AS 9100C, HK Gr
Factory Name	-
Factory Address	
Factory Rep	_
Tel	-
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#### A8470

# WO HING LASER MOULD FACTORY LTD.

-	The state of the s
Representative	Ms. U Hung 辛紅女士 Marketing Manageress
Address	Flat J-K, 7/F.,Ph. 2,Kwun Tong Ind. Ctr.
	436-484 Kwun Tong Rd. Kwun Tong KLN
Telephone	24806221
Fax	24870959
Email	whiaser@wohinglasermould.com.hk
Website	A
Business	Laser moulds for printing
Brands	
Certifications	-
Factory Name	粤和奥撒光刀模(深圳)有限公司
Factory Address	深圳市 寶安區 西鄉鎮勞動第一工業區B17棟
Factory Rep	禁生
Tel	755-27904101
Fax	755-27904099





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YAU LIENG MAY 友聯明輝實業有	FAIR INDUSTRIAL CO. LTD.	YIP CHUN CO. LT 業進有限公司	17732337
及聯明維賈莱有 Representative Address Telephone Fax Email Website Business Brands Certifications Factory Name Factory Address	Mr. Ho Yust-him 何恨讓先生 Director Flat 5, 2F, Sun Cheong Ind, Bldg. 2 Cheung Yee St. Cheung Sha Wan KLN 27437389 27850356 yimf@yimf.com.hk www.yimf.com.hk Plastic Injection mould —	深遠有限公司 Representative Address Telephone Fax Email Website Business Brands Certifications  Factory Name Factory Address Factory Rep Tel	Mr. Kwong-Chun Lee 李漢原先生 Director Rm. 12, 12/F. Kwai Cheong Centre 50 Kwai Cheong Rd. NT 24850108 24013382 fannie@ylpchun.imsbiz.com.hk — Mould and die, metal bands —  東美長安新民業建議表配件應 廣東省 東莞市 長安頓新民管理區 郵電彩 769-85414161
Tel Fax	755-27642129 755-27642063	Fax	769-85414162 A8445
	A9776 ONG MACHINERIES & HARDWARE	YUDO (HONG K 柳道實業 (香港)	Contract to the contract of th
Representative Address Telephone Fax Email Website Business	Mr. Sze-Wai Leung 家仕像先生 Manager Rm. 303, 3/F., Kwai Wu Ind. Bidg. 85-89 Ta Chuen Ping St. Kwai Chung NT 24200321 24813973 yeecheong08@163.com  U.S. Brush Weltman Moldmax - cooper alloy with high thermal conductivity, Japan Yamawa thread cut parameters cutting tools, Sweden ASSAB fine steel tools	Representative Address Telephone Fax Email Website Business Brands Certifications	Mr. Lee Sang-yeol 李素高先生 President Rm. B, 15/F., Everwin Centre 72 Hung To Rd. Kwun Tong KEN 23445180 23445018 info@yudohotrunner.com.hk www.yudohotrunner.com.hk CAD-CAM services & system, heat treatment, mould & die components, mould making loofs, plastic injection mould YUDO
Factory Name Factory Address Factory Rep Tel Fax	東莞市蘭昌行五全貿易有限公司 廣東省 東莞市 展地鎮龍平西路中頂工業高9-11號地議 沈偉文先生 789-87773328 769-87550188	Factory Name Factory Address Factory Rep Tel Fax	廣東核適熱液道系統有限公司 廣東省 東莞市 長安頓島沙步步高大道岡新星工業園 胡美玲小姐 769-85394466 769-85394455
	A9687	YUK KEE METAL	A4755 L& PLASTIC FACTORY LTD.
YEE KEUNG IND	USTRIAL CO. LTD.	玉記五金塑膠廠	有限公司
異強實業有限公司	PHARMES TRANSPORTER	Representative	Mr. Mok Yuen-bill
Representative Address	Ms. Winnie Ho 何翰安女士 Director 6/F., Wah Yuen Fty. Bldg. 21 Beech St. Tai Kok Tsui KLN	Address Telephone Fax	Rms. 2105, 21/F., CCT Telecom Bidg. 11 Wo Shing St. Fo Tan NT 28961099 28973235
Telephone Fax Email Website Business	23969181 27893150 enquiry@yeekeung.com.hk www.plastic-molding.net Plastic mould, injection moulded parts, assembly,	Email Website Business Brands	bili@yukkee.com.hk www.yukkee.com.hk Efectrical appliances such as fan heater and medical products (with MDD approval)
	vibration soldering, painting, hot stamping	Certifications	ISO 9001, ISO 13485

Factory Name

Factory Rep

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東莞安仿五配電腦製品有限公司 順東省 東美市 清潔鎮第二工業高北面(第二期) 第一抹E座 發行祖先生 769-7732867

AHHHH/	A9863
ZK (CHINA) CO. LTD	).
Representative	Mr. Jason Lau 劉樹稲先生
Address	Chief Operation Officer Unit 3, 2/F., Wah Lai Ind. Ctr.
Market .	10-14 Kwei Tei St. Fo Tan NT
Telephone Fax	81086675 81086679
Email	jason.lau@zk-system.com
Website Business	www.zk-system.com
Dusiness	Tooling machines manufacture, maintenance and trading
Brands Certifications	
Continuations	
Factory Name	The second management
Factory Address Factory Rep	上海市 贾行斯创川路951號C級5楼 岩樹柘先生
Tel	769-85419231
Fax	769-85313134
///////	C0217
HONG VONG (CME) ECO	NOMIC AND TRADE PROMOTIONAL ASSOCIATION LTD.
香港中小企經貿促並	
	Mr. Simon Cheung 强川爆先生
Representative	Mr. Simon Cheung 3671362753. Chairman
Address	LG1, HKPC Bldg. 78 Tat Chee Avenue KLN
Telephone Fax	24233800 24231110
Email	info@hongkongsme.com.hk
Website Business	www.hongkongsme.com.hk Trade association
	MacAustrian (
//////	C0204
	IENCE AND TECHNOLOGY RESEARCH INSTITUTE CO. LTD.
香港應用科技研究	
Representative	Dr. Franklin Tong Fuk-Kay 海復基博士
	CEO
Address	3/F., Bio-informatics Centre 2 Science Park W. Ave. HKSciencePark, Shatin NT
Telephone	34062800
Fax Email	34062801
Website	corporate@astri.org www.astri.org
Business	Government established organisation
	No. of the second
///////	C0216
	CAL APPLIANCE INDUSTRIES ASSOCIATION LTD.
香港電器業協會有阿	<b>人</b> 公司
Representative	Dr. Tommy Liu 厚燥蹄搏士
Address	President 5/F., HKPC Bldg. 78 Tat Chee Avenue KLN
Telephone	27856119
Fax	31874579
Email Website	info@hkeaia.org www.hkeaia.org
Business	Trade association

HONG KONG ELECTRO-PLATING MERCHANTS ASSOCIATION LTD. 香港電鍍業商會有限公司 Mr. Lawrence Chan Wai 陳復先生 Chairman Unit 10, 21/F., Mega Trade Centre 1-6 Mei Wan St. Tsuen Wan NT Address 27768282 27883137 info@hkelectro-plating.com Telephone Email www.hkelectro-plating.com Trade merchants association Website C0226 HONG KONG PLASTIC BAGS MANUFACTURERS' ASSOCIATION 香港塑料袋業廠商會 Mr. Chan-Chi Mak 麥擦核先生 President Unit 9, 5/F., Kwai Cheong Centre 40-52 Kwai Cheong Rd. Kwai Chung NT 23945912 23990152 admin@hkpbma.org.hk www.hkpbma.org.hk Trade association Representative Address Telephone

C0038

C0205 HONG KONG PLASTIC MACHINERY ASSOCIATION LTD. 香港塑膠機械協會有限公司 Ms. Justina Wu 胡美得女士 Chairman Representative

HKPC Bldg. 78 Tat Chee Avenue Kowloon Tong KLN 27886336 Address Telephone Email Website

Email Website Business

Business

sec@hkpma.com www.hkpma.com Trade association HONG KONG PLASTIC MANUFACTURERS ASSOCIATION LTD.

香港塑膠業廠商會有限公司 Representative Chairman Rm. 1306, 13/F., Trust Centre 912-914 Cheung Sha Wan Rd. KLN

Address elephone Email

25742230 25742843 hkpma@plastics.org.hk www.hkplastics.ma.com Trade association

HONG KONG PRODUCTIVITY COUNCIL 香港生產力促進局

Representative Address

Telephone Email Website Business

27885702 27885900 jpoon@hkpc.org www.hkpc.org?html/eng/common/index.jsp Government established organisation

C0156

Factory Name

Factory Rep

中山彩養精密更勝製品有限公司 養鬼者 中山市

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科泰模具(香港)有限公司

PRO-TOOLING (HK) LIMITED

專業模具設計與製造 模型設計及製作





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科泰模具產品設計有限公司 Pro-Tooling Products Design Limited

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Hopeful Factory Centre, Nos.10-16 Wo Shing Street. Fo Tan. New Territories. Hong Kong

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科泰金型塑胶制品(深圳)有限公司 Pro-Tooling (SZ) Limited

Tel: (86) (755) 8465 5101 Fax: (86) (755) 8465 5123 No. 98 Ping Long Xi Lu. Shan Xia She Qu. Ping Hu Jie Dao. Long Gang Qu. Shen Zhen, China

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產品/服務索引

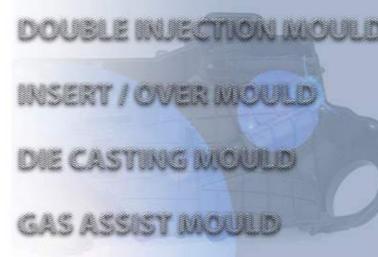
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			產品/服務索引 Product/Service Index	Kenzymi Precision Ltd.	Kin Tat Rubber Technology Ltd.	Kingdom Fine Metal Ltd.	Kong Lee Industries (Int'I) Co Ltd	Lap Chi Moulding Co. Ltd.	Man Fung Mould Industrial Co. Ltd.	Mass Jet Industries Ltd.	Ming Lee Tool-Steel & Mach. Co. Ltd	New Well Int'l Metalware Ltd.	Precision Moulds Ltd	Pro-Tooling (H.K.) Ltd.	Shun Hing Industrial International Ltd.	Sun Legend Technology Ltd.	Technovation Engineering Ltd.	TK Mold (Hong Kong) Ltd.	Ultratech Mold Design & Mfg. Co. Ltd.	Unitec Moulds (HK) Ltd.	Yip Chun Co Ltd	ZK (China) Co. Ltd.	產品/服務素引 Product / Service Index			
			Page No.	102	102		102	103	104	104	104	105	106	106	107	107	108	108	109	109	110	111	Page No.	4.7		
			Toys & Gift Items 证用证据品			0	0	0		0	0	0	0	0						0		0	Toys & Gift Items 采氧及物品			
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# 立志模具有限公司 LAP CHI MOULDING CO. LTD.



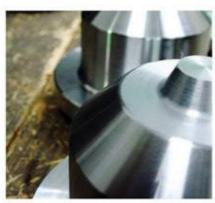




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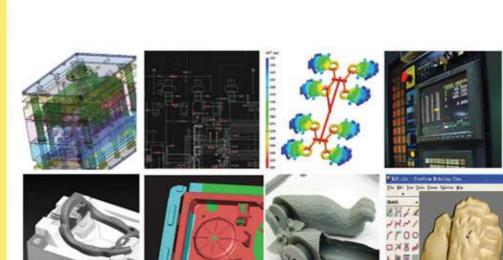
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# ADVERTERS' LIST ///////

COMPANY	公司名稱	PAGE NO. 頁數
Ace Mold Co Ltd	精英製模有限公司	18-19
Datamatic CNC Engineering Co. Ltd.	導新數控工程有限公司	55
Federation of Hong Kong Industries - Training Centre	香港工業總會 - 培訓中心	28
Good Profit Heat Treatment (China) Co. Ltd.	萬利達熱處理(中國)有限公司	42
Hongrita Mold Ltd.	鴻利達模具有限公司	26-27
Hoyu Tooling Ltd.	朋友模具有限公司	2
InnoSphere Ltd.	天品創意事務所有限公司	28
Innotech Advanced Products Ltd.	匯德產品發展有限公司	58
Kinox Enterprises Ltd.	建樂士企業有限公司	4-5
Lap Chi Moulding Co. Ltd.	立志模具有限公司	118-119
Leeport Precision Machine Tool Co. Ltd.	力豐精密機床有限公司	68
Lung Kee Group	龍記集團	56-57
Mass Jet Industries Ltd.	茂澤實業有限公司	33
New Well International Metalware Ltd.	新井國際貿易有限公司	92
Pro-Technic Machinery Ltd.	寶力機械有限公司	121
Pro-Tooling Products Design Ltd.	科泰模具產品設計有限公司	113
Shing Hing Industrial Ltd.	誠興行實業有限公司	63
Shing Fung Products Ltd.	成豐制品有限公司	73
TK Mold (Hong Kong) Ltd.	東江模具(香港)有限公司	封面內頁 & 122
Ultratech Mold Design & Manufacturing Co. Ltd.	雅達模具設計製造有限公司	14
Unitec Moulds (HK) Ltd.	統泰模具(香港)有限公司	封底內頁



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CONTACT PERSON ON FI	NANCE AND TAXATION ISSU	JES 財務及稅額即	#据人*	
Name 姓名				☐ Mr 先生 ☐ Ms 交± ☐ Others 其性:
Englishij			(4/2)	□ Mr 光生 □ Ms 发生 □ Others 基度:
Position 職情	Direct Line 直線電話		Direct Email 聯絡 電影	
CONTACT PERSON ON HI	JMAN RESOURCES ISSUES	人力學著事實際和	11.	
Name 25 &	MAN RESOURCES ESSES	A 23 84 88 W M M III		
Englishs			(02)	☐ Mr 先生 ☐ Ms 女士 ☐ Others 其他:
Position 最間	Direct Line 直線電話		Direct Email 聯絡電影	
CONTACT DEDSON ON M	ADVETING PROMOTIONS / I	HISTMESS DEVELOP	MENT RELATED ISSUES 市場推開	/ 學說江南南安徽年 1。
Name M &	ARRETING PROMOTIONS / I	JOSHACIS DEVELOP	WICHT REDATED 1350E3 IP MI 1E M	/ 乘扬和俄里亚州韦人
Englishii			(0.2)	□ Mr 先生 □ Ms 女士 □ Others 耳触:
Position 異能	Direct Line 直接電話		Direct Email 聯 語 樹 蘇	
CONTACT PERSON ON TE Name 姓名	CHNOLOGY RELATED ISSUE	5 投桁事直聯題。	X.*	
Englishi			伊克	☐ Mr 先生 ☐ Ms 女士 ☐ Others 其他:
Position 職術	Direct Line 直線電話		Direct Email 聯絡電影	
	S-		9	
I 總 食 精 重	852-2732		☐ fhki@fhki.org.hk	31/F, Billion Plaza, 8 Cheong Yue Street, Cheong Sha Wan, Kowlood
THE DESCRIPTION AND ADDRESS OF THE PARTY OF	RESERVED 2857,77731	9.63963	are appeared industrially over	THE STATE OF THE



#### FHKI MEMBERSHIP APPLICATION FORM

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PRD Council 珠三角工業協						
Please pick one designated local Cha 請經漢 異公司希望雅分配之一息		factory is located in				
☐ Guangzhou 質 州	☐ Shenzhen ※ til	☐ Nangmen I M		□ Dongguan 東	N	Zhongshan 中山
☐ Huizhou 惠州	☐ Zhuhai 孫 海	☐ Chaoshan 湖 汕		☐ Fozhan 绵山/	Zhaoqing 畢 页	
Factory Name 國内寂房名稱						
(English)				(4-2)		
Company Address 公司地址 (PI	ease complete in English 類以英文	項寫)				
Main Products 主 要 產 品						No. of Staffs 页 工 數 目
Contact Person of the Factory 工 避 排	最人					j <del>.</del>
English		(44.8)			□ Mr 先当	□ Ms 女士 □ Others 其性:
Email of Factory Contact Person  順内	政務代表電郵			Direct Line of	Factory Contact Pe	rson 阿内服房代表直線電話
Other Factories / Companies in the Ma	sinfand 其他國內南原/公司之所	再 地 t 知有 1	_	2		
(1)	*	_ · · · ·	(2)		16	· · · · · · · · · · · · · · · · ·
OVERSEAS FACTORY/ OFFICE	5 海外廠房/辦事處					
Overseas Factory / Offices 海外康應	/辦事處所在地					
☐ Africa 非 1	用 (Courtry 图 3()		☐ As	ia 引洲	(Country 監測)	
☐ Europe 歌	M (Country 開家)		□ La	tin America 拉丁类洲	(Country 音音)	
☐ Oceania 🤈	- CALCAN			orth America 北美洲		
	(1.0400) 基準上		U	30,000	(Country 强家)	
REFERRED BY (if any) 介绍人	、(倘有)			12.2.2.2		
Referred by (Person) 介绍人姓名				中文姓名		
(English)				(402)		
Referred by (Company) 介绍人公司	ū					
20-2007						
(English)			_	<u>19-31</u>		
Information Collection Staten	nent 資料收集說明				40	
Purpose of Data Collection  Company and personal data collected in	this form will be used for the Federatio	on's membership services, including	e but	資料收集目 申请表内征		人資料。將用作提供會機能稱。包括
not limited to:			50000	不只限於以	the state of the s	
<ol> <li>processing of membership</li> <li>listing on the Federation's</li> </ol>	applications; printed and online Membership Directo	ory for communications between the		(1) (2)	財理人會申請 単制工總統ト	: 及印刷本的會員名籍·聯絡會員·維
Federation and its member	rs, safeguarding members' rights in the			ATOX	會員於本會及	滋學之權益;及
<ul> <li>compiling statistical data a Providing company and personal data in</li> </ul>	this application form is voluntary. How					資料是由額性質,如必份資料未能提
information may result in the Federation The Federation will not sell or distribute					本會不能辨理此 收集所得的個人	入會申請。 資料銷售或轉移給第三方用。
Access to Data				資料查問		
A Member may, at any time, request to Membership Relations Division.	access and update the information pro-	vided by writing to the Federation's			的向會與關係和	¥查問及更新所提供的資料。
Declaration by the Company I	Representative 公司代表	學明				
On behalf of the Company, I hereby to information may be included in the F 本人誰代書本公司申請派人會港	ederations's publications and other	communications.	37.00 N		27. (1	
Name and Position 姓名及舞戲		Signature 黃 琚			Dat	te 日期
		CONTRACTOR SPECIA				
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						DD / MM / YYYY

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