

MANPOWER SURVEY STATISTICAL REPORT 2005

二〇〇五年度人力調查統計報告書

# PLASTICS INDUSTRY

職業訓練局塑膠業訓練委員會

PLASTICS TRAINING BOARD

VOCATIONAL TRAINING COUNCIL

## 塑膠業

塑 膠 業

二〇〇五年度人力統計報告書

**2005 MANPOWER STATISTICAL  
REPORT OF  
PLASTICS INDUSTRY**

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# **SECTION I**

## **INTRODUCTION**

### The Plastics Training Board

1.1 The Plastics Training Board of the Vocational Training Council is required by its terms of reference to determine the manpower and training needs of the plastics industry and to make recommendations to the Council for the development of training facilities to meet such needs. The Plastics Training Board comprises members nominated by major trade associations, trade unions, professional bodies, educational/training institutions and government departments. Membership of the Plastics Training Board is at Appendix I.

### The Manpower Survey

1.2 In pursuance of its terms of reference, the Training Board conducted a survey of the plastics industry during the period from 3<sup>rd</sup> August to 30<sup>th</sup> September 2005 to collect up-to-date manpower information with a view to assessing the industry's manpower structure and training needs. The survey was carried out with the assistance of the Census and Statistics Department.

1.3 The following information was collected from the survey:

- (i) the number of employees at the time of the survey;
- (ii) employers' forecast of the total number of employees by September 2006;
- (iii) the number of existing vacancies;
- (iv) the number of employees under training;
- (v) the average monthly income of employees; and
- (vi) employers' views on the preferred education, training mode and training period of employees by principal job levels.

1.4 Employers were also requested to provide information on the number of technologists, technicians and craftsmen who had been deployed to work outside Hong Kong for more than 6 months during the 12 months prior to the survey.

1.5 Employers were further requested to provide information on the number of Mainland workers working in operations in Guangdong Province under their control. Information of the number of Mainland engineers and their forecast number after 12 months in such operations were also requested.

1.6 Additionally employers were requested to indicate whether they had set up any other operations relating to plastics industry in provinces other than Guangdong.

#### Scope of the Survey

1.7 The survey covered the following sectors of the plastics industry:

I. Sector A : Plastics Manufacturing and Trading

- (i) Manufacture of plastic toys (HSIC 3562);
- (ii) Manufacture of plastic domestic utensils; plastic cases and parts (HSIC 3563 & 3565);
- (iii) Manufacture of plastic flowers and foliage; plastic bags (except handbags) and plastic products not elsewhere classified (HSIC 3561, 3564 and 3569);
- (iv) Import & export of toys (HSIC 631523);
- (v) Import and export of plastics products, decorative ornaments and flowers (HSIC 631528);

(Note: HSIC denotes Hong Kong Standard Industrial Classification.)

II. Sector B : Plastics Manufacturing Services

Testing Centres, major plastic resin suppliers and design firms of plastic products. (These firms are not classified under the HSIC system).

1.8 The Training Board was aware that with the shifting of manufacturing facilities outside Hong Kong, majority of the plastics manufacturing firms had been re-classified as plastics trading firms by the Census and Statistics Department. The Training Board therefore decided to combine the plastics manufacturing sector and the plastics trading sector into the plastics manufacturing and trading sector since its 1997 manpower survey.

## Sampling Methodology

### Plastics Manufacturing Sector

1.9 According to the information provided by Census & Statistics Department (C & SD), there were 643 establishments in the plastics manufacturing sector at the first quarter of 2005. In view of the limited resources available, only 224 establishments were selected as survey samples by means of a stratified random sampling method.

### Plastics Trading Sector

1.10 Based on information from C & SD, a total of 6 855 establishments were recorded for the plastics trading sector. Since it was unlikely that trading firms with employment size below 5 would employ technical staff, it was decided the survey should only cover firms with employment size of 5 or above, and this reduced the total number of establishments in the plastics trading sector to 2 009. Similarly, 517 establishments were selected as survey samples using the stratified random sampling method.

### Plastics Manufacturing and Trading Sector

1.11 As pointed out in paragraph 1.8, the Training Board has decided to combine the plastics manufacturing sector and the plastics trading sector into the “Plastics Manufacturing and Trading Sector” for survey analysis.

### Plastics Manufacturing Services Sector

1.12 Since there was no specific classification for the plastics manufacturing services sector under the existing Hong Kong Standard Industrial Classification (HSIC) System, reference was made to the Directory of Plastics Industry 2004-2005 published by the Plastics Technology Centre of the Hong Kong Productivity Council in selecting testing centres, major resin suppliers and design firms of plastics products to be covered in the survey. As a result, a total of 182 establishments were selected.

### Overall

1.13 Based on the above methodology, a total of 923 establishments were selected for the survey to cover all sectors of the plastics industry.

### Method of the Survey

1.14 Two weeks before the survey, the survey questionnaires and supporting documents were sent to the selected establishments. During the fieldwork, interviewers from the Census and Statistics Department visited the selected establishments to collect the completed questionnaires and, where necessary, assist the employers in completing them.

1.15 After the survey, the completed questionnaires were checked and, where necessary, verified with the respondents before being processed by the Census and Statistics Department. The collected data from the plastics manufacturing and trading sector were statistically grossed up and the data from the plastics manufacturing services sector were added together to give the overall picture of the manpower situation of the plastics industry at the time of the survey.

### Response to the Survey

1.16 Of the 923 establishments, 618 supplied the required information. A total of 291 establishments had either closed, moved, merged with other establishments, or no longer engaged in work related to the plastics industry. The remaining 14 establishments had declined to supply any information. The effective response rate was 97.8%.

### Statistical Data

1.17 This report aims at presenting the manpower data collected from the fieldwork. The Training Board will analyse the data together with other economic information with a view to assessing the industry's manpower situation and producing a final report presenting the Training Board's forecast of the manpower needs.

## SECTION II

### SUMMARY OF SURVEY FINDINGS

#### **Number of Employees Employed**

2.1 The survey revealed that in August/September 2005, a total of 9 450 employees were employed in the principal jobs of the plastics industry in Hong Kong. Their distribution by job level is:

Job Level	Number of Employees	%
Technologist	4 231	44.8
Technician	2 793	29.6
Craftsman	589	6.2
Operative	1 407	14.9
Unskilled	430	4.5
Total	9 450	100.0

2.2 The distribution of employees by job level and by sector is given in Table A and Figure 1 below:

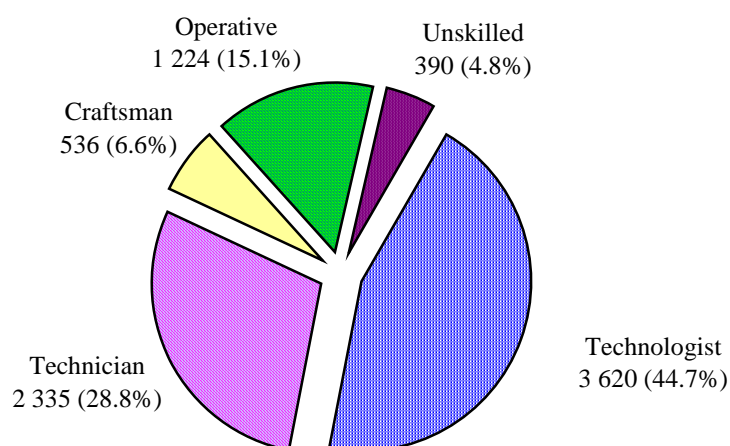
Table A: Distribution of Employees by  
Job Level and by Sector

Job Level	<u>Sector A</u> Manufacturing & Trading Sector			<u>Sector B</u> Manufacturing Services Sector	All Sectors
	Manufacturing	Trading	Total		
Technologist	83	3 537	3 620	611	4 231
Technician	209	2 126	2 335	458	2 793
Craftsman	266	270	536	53	589
Operative	1 194	30	1 224	183	1 407
Unskilled	291	99	390	40	430
Total	2 043 =====	6 062 =====	8 105 =====	1 345 =====	9 450 =====

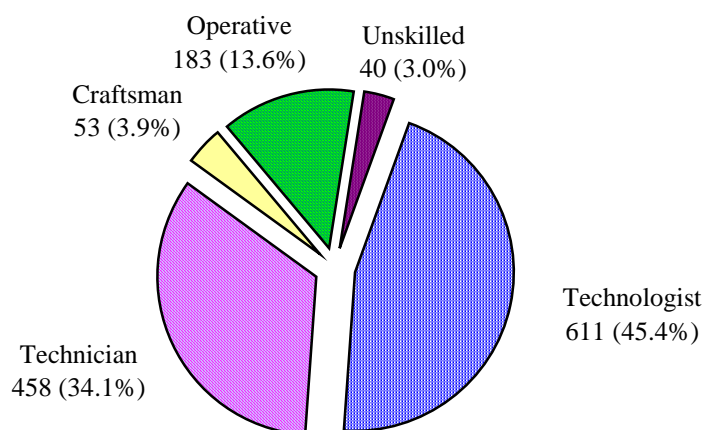


Figure 1 : Manpower by Job Level

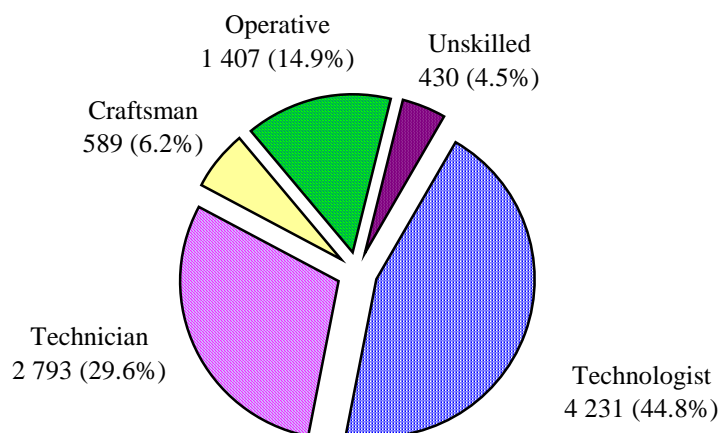
Sector A : Manufacturing and Trading Sector (8 105 employees)



Sector B : Manufacturing Services Sector (1 345 employees)



All Sectors : 9 450 employees



### **Number of Trainees**

2.3 At the time of the survey, there were 34 trainees and their distribution by job level is given in Table B below.

Table B: Distribution of Trainees by Job Level

Job Level	Number of Trainees	Percentage of Total Employed at the Same Level
Technologist	15	0.35%
Technician	15	0.54%
Craftsman	3	0.51%
Operative	1	0.07%
Total	34	0.36%

### **Vacancies**

2.4 Employers reported a total of 125 vacancies, representing about 1.3% of the total workforce at the time of the Survey:

Table C: Distribution of Vacancies by Job Level

Job Level	Number of Vacancies	Percentage of Total Employed at the Same Level
Technologist	71	1.7%
Technician	38	1.4%
Craftsman	1	0.2%
Operative	9	0.6%
Unskilled	6	1.4%
Total	125	1.3%

### **Statistical Tables**

2.5 The detailed manpower statistics of the sectors of the plastics industry by principal jobs including number of trainees, vacancies and employers' forecast number of employees by September 2006 are tabulated in Tables 1, 2 and 3.



# 第一章

## 緒 論

### 塑膠業訓練委員會

1.1 職業訓練局屬下塑膠業訓練委員會須根據職權範圍，確定業內的人力及訓練需求，並就發展訓練設施向局方提出建議，以應付業內所需。本會委員均由主要商會、工會、專業團體、教育／訓練機構及政府部門提名；委員名單載於附錄 I。

### 人力調查

1.2 本會根據職權，於 2005 年 8 月 3 日至 9 月 30 日期間，進行塑膠業人力調查，收集業內最新的人力資料，以評估本業人力架構及訓練需求。是次調查由政府統計處協助進行。

1.3 調查收集的資料包括：

- (i) 調查期間的僱員人數；
- (ii) 僱主預測 2006 年 9 月時的僱員總數；
- (iii) 現有空缺數目；
- (iv) 受訓僱員人數；
- (v) 僱員每月平均收入；
- (vi) 僱主認為各主要職務僱員宜有的教育程度、訓練方式及訓練期。

1.4 調查表亦請僱主填報調查前 12 個月內，派駐香港以外地區工作超過 6 個月的技師、技術員及技工人數。

1.5 本會亦請僱主提供其設於廣東省廠房的國內員工人數，包括工程師人數，以及預測 12 個月後的國內工程師數目。

1.6 此外，本會亦請僱主填報有否在廣東以外省份開設與塑膠業有關的廠房。

### 調查範圍

1.7 是次調查包括業內下列類別：

#### I. 類別 A：塑膠產品製造及貿易

- (i) 塑膠玩具製造（HSIC 3562）；
- (ii) 塑膠家庭用具、塑膠外殼及零件製造（HSIC 3563 及 3565）；
- (iii) 塑膠花及枝葉、塑膠袋（手袋除外）、其他塑膠產品的製造（HSIC 3561，3564 及 3569）；
- (iv) 玩具進出口（HSIC 631523）；
- (v) 塑膠產品、飾物及花卉進出口（HSIC 631528）。

（註：HSIC 代表香港標準行業分類）

#### II. 類別 B：塑膠產品製造服務

測試中心，主要塑膠原料供應商、塑膠產品設計公司（HSIC 並沒有包括這些機構）。

1.8 隨著業內的生產工序遷離本港，政府統計處將大部分塑膠產品製造廠重新歸類為貿易機構。有見及此，本會決定自一九九七年人力調查起，將塑膠產品製造及塑膠產品貿易兩個類別，合併為塑膠產品製造及貿易類別。

## 抽樣方法

### 塑膠產品製造類別

1.9 根據政府統計處的資料，2005 年第一季塑膠產品製造廠共有 643 家。鑑於資源有限，本會採用分層隨機抽樣方法，選取了 224 家機構作為調查對象。

### 塑膠產品貿易類別

1.10 根據政府統計處的資料，塑膠產品貿易機構共有 6 855 間。由於擁有少於 5 名僱員的貿易公司甚少會僱用技術人員，本會決定只抽查有 5 名或以上僱員的機構；這類機構有 2 009 家，本會採用分層隨機抽樣方法，選取了其中 517 家作為調查對象。

### 塑膠產品製造及貿易類別

1.11 根據第 1.8 段，本會決定將塑膠產品製造類別，及塑膠產品貿易類別，合併為「塑膠產品製造及貿易類別」，以便進行分析。

### 塑膠產品製造服務

1.12 鑑於現時香港標準行業分類制度並未包括塑膠產品製造服務類別，本會遂根據香港生產力促進局塑膠科技中心出版的《塑膠業指南 2004-2005》，選取業內的測試中心、主要塑膠原料供應商及塑膠產品設計公司，納入調查範圍。結果，共選出 182 間機構為調查對象。

### 抽查機構總數

1.13 按照上述方法，是次調查抽選業內各類別共 923 家機構為調查對象。

### 調查方法

1.14 調查表連同有關文件於調查前兩星期寄予選定機構。調查期內，政府統計處職員到訪各機構，收取填妥的表格，並於需要時協助僱主填表。

1.15 調查完畢後，填覆的問卷均經複核，必要時並與有關機構核實，然後交由政府統計處作資料處理。塑膠產品製造及貿易類別的資料經統計學方法倍大，再加上塑膠產品製造服務類別的數字，反映出調查期間本業人力的整體情況。

### 調查回應

1.16 923 家選定機構中，有 618 家提供所需資料。另有 291 家機構已經結束營業、搬遷、或與其他機構合併，或不再從事塑膠業。其餘 14 家則拒絕提供資料。是次調查的有效回應率為 97.8%。

### 統計數據

1.17 本報告書列載實地調查所收集的人力數據，本會會將這些數據連同其他行業資料一起進行分析，以評估業內的人力情況，並出版詳盡報告書，預測人力需求。

## 第二章

### 調查結果摘要

#### 僱員人數

2.1 是次調查顯示 2005 年 8、9 月時，本地塑膠業各主要職務共有僱員 9 450 人，按技能等級分布如下：

技能等級	僱員人數	%
技 師	4 231	44.8
技術員	2 793	29.6
技 工	589	6.2
操作工	1 407	14.9
非技工	430	4.5
總 數	9 450	100.0

2.2 各類別各技能等級的僱員分布情況載於表 A 及圖 1：

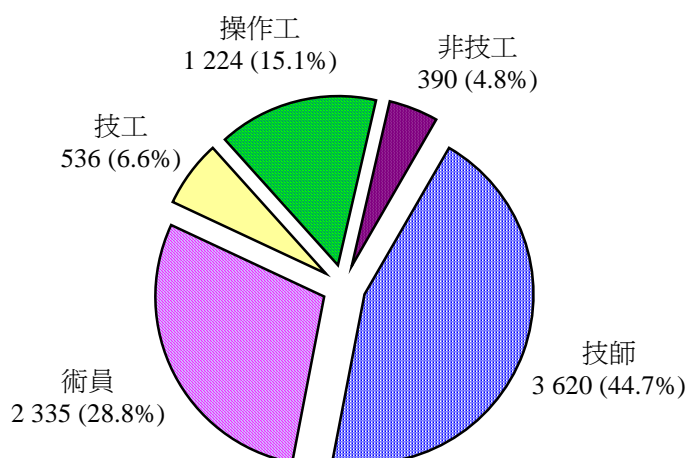
表 A：各類別各技能等級的僱員分布情況

技能等級	類別 A 製造及貿易類別			類別 B 製造服務類別	所有類別
	製造	貿易	總數		
技 師	83	3 537	3 620	611	4 231
技術員	209	2 126	2 335	458	2 793
技 工	266	270	536	53	589
操作工	1 194	30	1 224	183	1 407
非技工	291	99	390	40	430
總 數	2 043 =====	6 062 =====	8 105 =====	1 345 =====	9 450 =====

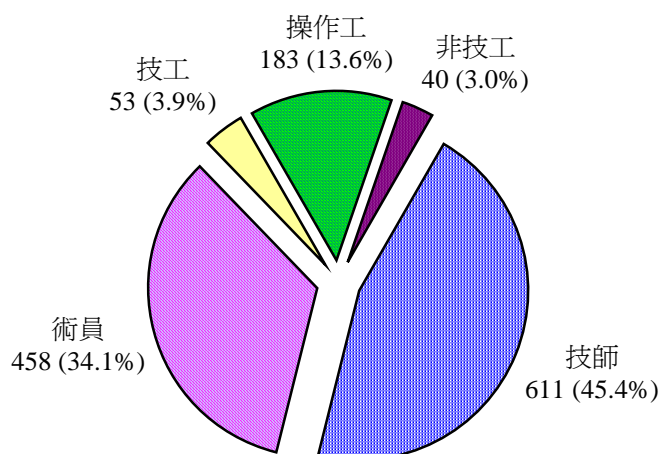


圖 1：各技能等級人力情況

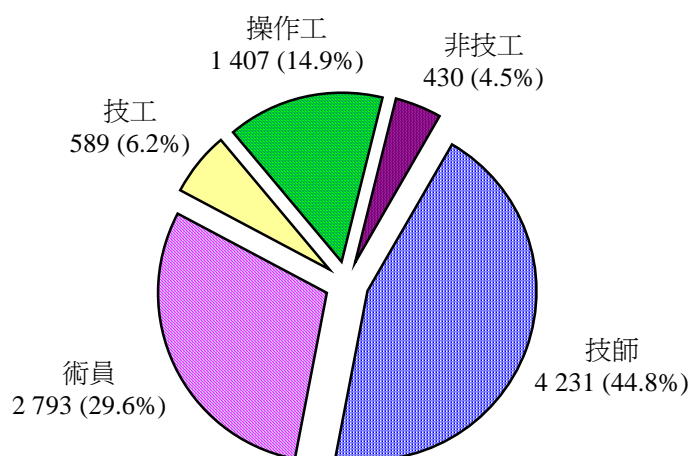
類別 A：製造及貿易類別 (8 105 人)



類別 B：製造服務類別 (1 345 人)



所有類別：9 450 人



## 受訓者人數

2.3 調查期間，本業有受訓者 34 人，各技能等級的分布情況載於表 B。

表 B：各級受訓人數

技能等級	受訓人數	佔同級僱員總數的百分率
技 師	15	0.35%
技術員	15	0.54%
技 工	3	0.51%
操作工	1	0.07%
總 數	34	0.36%

## 空缺數目

2.4 僱主報稱，業內共有 125 個空缺，佔調查時僱員總數約 1.3%，詳情如下：

表 C：各級空缺數目

技能等級	空缺數目	佔同級僱員總數的百分率
技 師	71	1.7%
技術員	38	1.4%
技 工	1	0.2%
操作工	9	0.6%
非技工	6	1.4%
總 數	125	1.3%

## 統計表

2.5 塑膠業各類別主要職務的人力統計數據詳情（包括受訓者人數、空缺數目及 2006 年 9 月時預計僱員人數），分別載於表一、二及三。

**PLASTICS TRAINING BOARD**

**Membership (as at 31<sup>st</sup> December 2005)**

**Chairman:**

The Hon. TING Woo-shou,  
Kenneth, SBS, JP  
丁午壽先生, SBS, JP

nominated by the Hong Kong Plastics  
Manufacturers Association Ltd.

**Vice-Chairman:**

Mr Locky CHU  
朱榮麟先生

nominated by a plastics mould manufacturing  
company

**Members:**

Mr Derek LOUIE  
雷致行先生

nominated by the Hong Kong Productivity  
Council

Mr CHEUNG Tat-choi, Stanley  
張達材先生

nominated by a plastics product trading  
company

Prof LAI Ki-leuk, Joseph  
賴奇略教授

nominated by the City University of Hong  
Kong

Mr KWONG Hon-wah  
鄭汗華先生

nominated by The Chinese Manufacturers'  
Association of Hong Kong

Mr Joseph Lee, BBS, JP  
李宗德先生, BBS, JP

nominated by the Federation of Hong Kong  
Industries

Mr LEUNG Wing-cheung, Roland  
梁永祥先生

nominated by a plastics machinery  
manufacturing company

Mr NG Ka-yan, Ben  
吳家仁先生

nominated by the Hong Kong Mould and Die  
Council

Mr WONG Ka-ho  
黃家豪先生

nominated by the Chiu Chau Plastic  
Manufacturers Association

Mr WONG Yau-tak  
黃有德先生

nominated by Hong Kong & Kowloon  
Rubber & Plastic Workers General Union

Dr MAN Hau-chung  
文効忠博士

nominated by The Hongkong Polytechnic  
University

Mr LAU Kam-po  
劉鑑波先生

representative of the Commissioner for  
Labour

Miss LAM Wing-yee, Willy  
林詠儀小姐

representative of the Director-General of  
Trade and Industry

Dr LO Kin-ki, Edmond  
勞虔基博士

representative of the Executive Director of  
the Vocational Training Council

Co-opted Members:

Mr TSANG Hing-fung, Francis  
曾慶豐先生

nominated by the Hong Kong Institution of  
Vocational Education

Mr YEUNG Kai-tai  
楊啓泰先生

Manager of the Plastics and Tooling  
Technology Development Centre

Secretary:

Mr LO Shiu-wing, Daniel  
羅兆榮先生

Vocational Training Council

塑膠業訓練委員會委會名單  
(二〇〇五年十二月三十一日時)

主席：

丁午壽先生, SBS, JP (香港塑膠業廠商會提名)

副主席：

朱肇麒先生 (塑膠模具製造廠提名)

委員：

雷致行先生	(香港生產力促進局提名)
張達材先生	(塑膠產品貿易公司提名)
賴奇略教授	(香港城市大學提名)
鄭汗華先生	(香港中華廠商聯合會提名)
李宗德先生, BBS, JP	(香港工業總會提名)
梁永祥先生	(塑膠機械製造廠提名)
吳家仁先生	(香港模具協會提名)
黃家豪先生	(潮僑塑膠廠商會提名)
黃有德先生	(港九樹膠塑膠業總工會提名)
文効忠博士	(香港理工大學提名)
劉鑑波先生	(勞工處處長代表)
林詠儀小姐	(工業貿易署署長代表)
勞虔基博士	(職業訓練局執行幹事代表)

增選委員：

曾慶豐先生	(香港專業教育學院提名)
楊啓泰先生	(塑膠與模具科技發展中心主任)

秘書：

羅兆榮先生 (職業訓練局)



TABLE 1 : PLASTICS INDUSTRY MANPOWER STATISTICS (ALL SECTORS)

表一：塑膠業人力統計數字（所有類別）

Job Title 職 稱	Number of Employees Employed 現有僱員 人數	Number of Trainees 現有受訓者 人數	Number of Vacancies at Date of Survey 現有的 空缺額	Forecast of Number Employed by September 2006 預計在 二〇〇六年 九月時的 僱員總數
<b>TECHNOLOGIST LEVEL 技師級</b>				
Product Engineer (Plastics) 產品工程師（塑膠業）	932	3	13	948
Manufacturing/Industrial Engineer 製造／工業工程師	580	-	14	594
CAD-CAM Engineer/ Tooling Engineer 電腦輔助設計 — 電腦輔助生產 工程師／工具工模工程師	176	-	-	176
Project Engineer 策劃及統籌工程師	1 383	9	26	1 418
Costing Engineer 成本工程師	146	3	5	154
Q.C./Q.A. Engineer 品質管制／品質保證工程師	400	-	6	406
Electronics/Electrical Engineer 電子／電機工程師	203	-	5	208
Technical Services Engineer 技術支援工程師	354	-	1	355
Moulding Engineer 啤塑工程師	57	-	1	58
Sub-total 分類總數	4 231	15	71	4 317
<b>TECHNICIAN LEVEL 技術員級</b>				
Supervisor/Foreman 監督／管工	317	-	-	317
Mechanical Engineering Technician 機械工程技術員	126	-	-	126
Electronics/Electrical Engineering Technician 電子／電機工程技術員	68	-	1	69
Q.C./Q.A. Technician 品質管制／品質保證技術員	453	-	9	462



Job Title 職 稱	Number of Employees Employed 現有僱員 人數	Number of Trainees 現有受訓者 人數	Number of Vacancies at Date of Survey 現有的 空缺額	Forecast of Number Employed by September 2006 預計在 二〇〇六年 九月時的 僱員總數
TECHNICIAN LEVEL (Continued) 技術員級 (續)				
Product/Packaging Development Technician 產品／包裝進展技術員	617	-	10	626
Laboratory/Materials Technician 實驗室／塑料技術員	184	6	3	193
Manufacturing/Industrial Engineering Technician 製造／工業工程技術員	291	6	2	299
Tooling Technician 工具工模技術員	110	-	-	110
CAD-CAM Technician (Tooling) 電腦輔助設計 — 電腦輔助生產技術員 (工模)	182	-	1	184
Production Planner 生產策劃員	445	3	12	460
Sub-total 分類總數	2 793	15	38	2 846
CRAFTSMAN LEVEL 技工級				
Leader 組長	81	-	-	83
Electrician 電氣技工	18	1	-	19
Mould and Die Maker 製模技工	78	1	-	79
Tool and Die Maker 工具及五金工模工	26	-	-	26
Pattern/Model/Prototype Maker 樣本／模型／生產原型製造工	93	-	-	92
Plastics Machine Setter 校機技工	68	-	1	69
Tailor (Plastics/Fabric) 裁剪技工 (塑膠／布料)	33	-	-	33
Quality Control Inspector 品質檢查工	192	1	-	193
Sub-total 分類總數	589	3	1	594

Job Title 職 稱	Number of Employees Employed 現有僱員 人數	Number of Trainees 現有受訓者 人數	Number of Vacancies at Date of Survey 現有的 空缺額	Forecast of Number Employed by September 2006 預計在 二〇〇六年 九月時的 僱員總數
<b>OPERATIVE LEVEL 操作工級</b>				
Blow Moulding Machine Operator 吹氣模塑機工	24	-	-	24
Film Blowing Machine Operator 吹模機工	183	-	-	183
Injection Moulding Machine Operator 壓注模塑機工	289	-	3	288
Vacuum Forming Machine Operator 真空吸塑機工	8	-	-	8
Other Plastics Processing Machine Operator 其他塑膠加工機操作工	564	-	6	570
Power Press Operator 動力沖壓機操作工	-	-	-	-
Printing Operator 印刷工	153	1	-	154
Seamstress/Sewing Machine Operator 縫工	24	-	-	24
Assembler 裝配工	162	-	-	162
Sub-total 分類總數	1 407	1	9	1 413
<b>UNSKILLED LEVEL 非技工級</b>				
General Worker 雜工	430	-	6	436
Sub-total 分類總數	430	-	6	436
<b>GRAND TOTAL 五類總數</b>	<b>9 450</b>	<b>34</b>	<b>125</b>	<b>9 606</b>



**TABLE 2 : PLASTICS INDUSTRY MANPOWER STATISTICS**  
**(SECTOR A : PLASTICS MANUFACTURING & TRADING)**  
 表二：塑膠業人力統計數字（塑膠製造及貿易類別）

Job Title 職 稱	Number of Employees Employed 現有僱員 人數	Number of Trainees 現有受訓者 人數	Number of Vacancies at Date of Survey 現有的 空缺額	Forecast of Number Employed by September 2006 預計在 二〇〇六年 九月時的 僱員總數
<b>TECHNOLOGIST LEVEL 技師級</b>				
Product Engineer (Plastics) 產品工程師（塑膠業）	861	3	9	873
Manufacturing/Industrial Engineer 製造／工業工程師	546	-	11	557
CAD-CAM Engineer/ Tooling Engineer 電腦輔助設計 — 電腦輔助生產 工程師／工具工模工程師	158	-	-	158
Project Engineer 策劃及統籌工程師	1 265	-	26	1 291
Costing Engineer 成本工程師	142	3	5	150
Q.C./Q.A. Engineer 品質管制／品質保證工程師	340	-	5	345
Electronics/Electrical Engineer 電子／電機工程師	187	-	5	192
Technical Services Engineer 技術支援工程師	78	-	-	78
Moulding Engineer 啤塑工程師	43	-	1	44
Sub-total 分類總數	3 620	6	62	3 688
<b>TECHNICIAN LEVEL 技術員級</b>				
Supervisor/Foreman 監督／管工	279	-	-	279
Mechanical Engineering Technician 機械工程技術員	87	-	-	87
Electronics/Electrical Engineering Technician 電子／電機工程技術員	64	-	1	65
Q.C./Q.A. Technician 品質管制／品質保證技術員	389	-	8	397

Job Title 職 稱	Number of Employees Employed 現有僱員 人數	Number of Trainees 現有受訓者 人數	Number of Vacancies at Date of Survey 現有的 空缺額	Forecast of Number Employed by September 2006 預計在 二〇〇六年 九月時的 僱員總數
TECHNICIAN LEVEL (Continued) 技術員級 (續)				
Product/Packaging Development Technician 產品／包裝進展技術員	550	-	10	559
Laboratory/Materials Technician 實驗室／塑料技術員	23	6	-	29
Manufacturing/Industrial Engineering Technician 製造／工業工程技術員	284	6	2	292
Tooling Technician 工具工模技術員	85	-	-	85
CAD-CAM Technician (Tooling) 電腦輔助設計 — 電腦輔助生產技術員 (工模)	156	-	1	157
Production Planner 生產策劃員	418	3	12	433
Sub-total 分類總數	2 335	15	34	2 383
CRAFTSMAN LEVEL 技工級				
Leader 組長	67	-	-	67
Electrician 電氣技工	17	1	-	18
Mould and Die Maker 製模技工	75	1	-	76
Tool and Die Maker 工具及五金工模工	26	-	-	26
Pattern/Model/Prototype Maker 樣本／模型／生產原型製造工	73	-	-	73
Plastics Machine Setter 校機技工	62	-	1	63
Tailor (Plastics/Fabric) 裁剪技工 (塑膠／布料)	32	-	-	32
Quality Control Inspector 品質檢查工	184	1	-	185
Sub-total 分類總數	536	3	1	540

Job Title 職 稱	Number of Employees Employed 現有僱員 人數	Number of Trainees 現有受訓者 人數	Number of Vacancies at Date of Survey 現有的 空缺額	Forecast of Number Employed by September 2006 預計在 二〇〇六年 九月時的 僱員總數
<b>OPERATIVE LEVEL 操作工級</b>				
Blow Moulding Machine Operator 吹氣模塑機工	24	-	-	24
Film Blowing Machine Operator 吹模機工	183	-	-	183
Injection Moulding Machine Operator 壓注模塑機工	256	-	3	255
Vacuum Forming Machine Operator 真空吸塑機工	8	-	-	8
Other Plastics Processing Machine Operator 其他塑膠加工機操作工	435	-	-	435
Power Press Operator 動力沖壓機操作工	-	-	-	-
Printing Operator 印刷工	132	1	-	133
Seamstress/Sewing Machine Operator 縫工	24	-	-	24
Assembler 裝配工	162	-	-	162
Sub-total 分類總數	1 224	1	3	1 224
<b>UNSKILLED LEVEL 非技工級</b>				
General Worker 雜工	390	-	5	395
Sub-total 分類總數	390	-	5	395
<b>GRAND TOTAL 五類總數</b>	<b>8 105</b>	<b>25</b>	<b>105</b>	<b>8 230</b>



**TABLE 3 : PLASTICS INDUSTRY MANPOWER STATISTICS**  
**(SECTOR B : PLASTICS MANUFACTURING SERVICES)**

表三：塑膠業人力統計數字（塑膠製造服務類別）

Job Title 職 稱	Number of Employees Employed 現有僱員 人數	Number of Trainees 現有受訓者 人數	Number of Vacancies at Date of Survey 現有的 空缺額	Forecast of Number Employed by September 2006 預計在 二〇〇六年 九月時的 僱員總數
<b>TECHNOLOGIST LEVEL 技師級</b>				
Product Engineer (Plastics) 產品工程師（塑膠業）	71	-	4	75
Manufacturing/Industrial Engineer 製造／工業工程師	34	-	3	37
CAD-CAM Engineer/ Tooling Engineer 電腦輔助設計 — 電腦輔助生產 工程師／工具工模工程師	18	-	-	18
Project Engineer 策劃及統籌工程師	118	9	-	127
Costing Engineer 成本工程師	4	-	-	4
Q.C./Q.A. Engineer 品質管制／品質保證工程師	60	-	1	61
Electronics/Electrical Engineer 電子／電機工程師	16	-	-	16
Technical Services Engineer 技術支援工程師	276	-	1	277
Moulding Engineer 啤塑工程師	14	-	-	14
Sub-total 分類總數	611	9	9	629
<b>TECHNICIAN LEVEL 技術員級</b>				
Supervisor/Foreman 監督／管工	38	-	-	38
Mechanical Engineering Technician 機械工程技術員	39	-	-	39
Electronics/Electrical Engineering Technician 電子／電機工程技術員	4	-	-	4
Q.C./Q.A. Technician 品質管制／品質保證技術員	64	-	1	65



Job Title 職 稱	Number of Employees Employed 現有僱員 人數	Number of Trainees 現有受訓者 人數	Number of Vacancies at Date of Survey 現有的 空缺額	Forecast of Number Employed by September 2006 預計在 二〇〇六年 九月時的 僱員總數
TECHNICIAN LEVEL (Continued) 技術員級 (續)				
Product/Packaging Development Technician 產品／包裝進展技術員	67	-	-	67
Laboratory/Materials Technician 實驗室／塑料技術員	161	-	3	164
Manufacturing/Industrial Engineering Technician 製造／工業工程技術員	7	-	-	7
Tooling Technician 工具工模技術員	25	-	-	25
CAD-CAM Technician (Tooling) 電腦輔助設計 — 電腦輔助生產技術員 (工模)	26	-	-	27
Production Planner 生產策劃員	27	-	-	27
Sub-total 分類總數	458	-	4	463
CRAFTSMAN LEVEL 技工級				
Leader 組長	14	-	-	16
Electrician 電氣技工	1	-	-	1
Mould and Die Maker 製模技工	3	-	-	3
Tool and Die Maker 工具及五金工模工	-	-	-	-
Pattern/Model/Prototype Maker 樣本／模型／生產原型製造工	20	-	-	19
Plastics Machine Setter 校機技工	6	-	-	6
Tailor (Plastics/Fabric) 裁剪技工 (塑膠／布料)	1	-	-	1
Quality Control Inspector 品質檢查工	8	-	-	8
Sub-total 分類總數	53	-	-	54

Job Title 職 稱	Number of Employees Employed 現有僱員 人數	Number of Trainees 現有受訓者 人數	Number of Vacancies at Date of Survey 現有的 空缺額	Forecast of Number Employed by September 2006 預計在 二〇〇六年 九月時的 僱員總數
<b>OPERATIVE LEVEL 操作工級</b>				
Blow Moulding Machine Operator 吹氣模塑機工	-	-	-	-
Film Blowing Machine Operator 吹模機工	-	-	-	-
Injection Moulding Machine Operator 壓注模塑機工	33	-	-	33
Vacuum Forming Machine Operator 真空吸塑機工	-	-	-	-
Other Plastics Processing Machine Operator 其他塑膠加工機操作工	129	-	6	135
Power Press Operator 動力沖壓機操作工	-	-	-	-
Printing Operator 印刷工	21	-	-	21
Seamstress/Sewing Machine Operator 縫工	-	-	-	-
Assembler 裝配工	-	-	-	-
Sub-total 分類總數	183	-	6	189
<b>UNSKILLED LEVEL 非技工級</b>				
General Worker 雜工	40	-	1	41
Sub-total 分類總數	40	-	1	41
<b>GRAND TOTAL 五類總數</b>	<b>1 345</b>	<b>9</b>	<b>20</b>	<b>1 376</b>