



千附實業股份有限公司
CHENFULL INTERNATIONAL CO., LTD.

We Provide Quality Services & Solutions



千附實業股份有限公司

CHENFULL INTERNATIONAL Co., Ltd



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經營理念

誠 信
積 極
創 新
突 破

Philosophy

Trust
Initiative
Innovation
Breakthrough

經營策略

資源整合
市場共構

Strategy

Resources-Integration
Co-Market

經營方針

聚 焦
深 耕
擴 大
成 長

Principles

Focus
Cultivating
Expanding
Growing



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千附實業股份有限公司
CHENFULL INTERNATIONAL Co., Ltd

Established	Apr. 1982
Chairwoman & CEO	Chang, Alice
President	Lai, C. M.
Capital	1.18 Billion
Work Force	800

機械事業

shoe-making machinery



製鞋機

精密科技事業

precision technology



航太

光電半導體

工程事業

engineering service

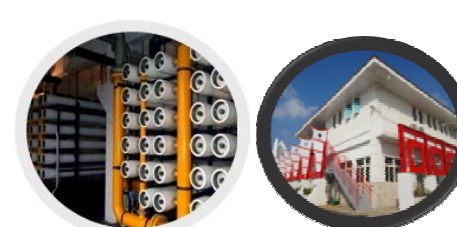


廠務工程

專案工程

水資源事業

project engineering



海淡廠

業務據點

Locations

總部，桃園
Headquarter / Taoyuan



澎湖，馬公
Penghu, Magong



新竹辦公室
Hsinchu office

台中辦公室
Taichung office

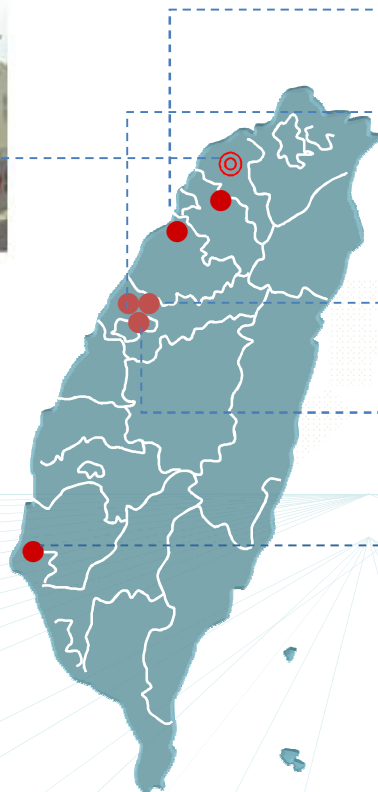


台中，后里
Taichung, Houli

台中，潭子
Taichung, Tanzi



台南辦公室
Tainan office



- 中國 China
- 越南 Vietnam
- 印尼 Indonesia



各季損益成長趨勢

Quarterly Income Statements

新台幣仟元
(NT\$ thousand)

會計科目 Accounts	2015					2016		
	1Q	2Q	3Q	4Q	合計	1Q	2Q	3Q
營業收入 Revenue	642,725	765,202	800,189	877,138	3,085,254	798,499	771,454	854,122
營業毛利 Gross Profit	194,745	229,702	231,806	267,160	923,413	266,247	239,215	263,603
毛利率 Gross Margin	30.3%	30.0%	29.0%	30.46%	29.9%	33.30%	31.01%	30.86%
營業費用 Expenses	84,100	139,478	97,153	91,039	411,770	89,623	91,724	90,835
營業淨利 Operating	110,645	90,224	134,653	176,121	511,643	176,624	147,491	172,768
營業淨利率 Operating Margin (%)	17.2%	11.8%	16.8%	20.08%	16.6%	22.12%	19.12%	20.23%
稅後淨利 Net income	95,492	71,974	133,404	111,552	412,422	139,467	123,731	129,573
每股盈餘(元) Earning Per Share	0.82	0.62	1.13	0.96	3.53	1.18	1.05	1.10



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各事業處近年營收比重 Revenues breakdown by division

新台幣仟元
(NT\$ thousand)

事業別	2014		2015		2016		2016		2016		2016		合計	
Business		(%)		(%)		(%)		(%)		(%)		(%)		(%)
					1Q		2Q		3Q		4Q		Total	
精密科技 precision tech	1,245,253	42%	1,381,347	45%	371,743	47%	345,676	45%	483,314	57%	416,920	52%	1,617,655	50%
機械事業 shoe machine	799,891	27%	943,910	31%	239,980	30%	213,569	28%	145,039	18%	129,833	16%	728,369	23%
工程事業 Engineering	803,564	27%	628,042	20%	158,632	20%	185,062	24%	195,613	22%	222,370	28%	761,678	24%
水資源事業 water resources	118,035	4%	131,955	4%	28,144	3%	27,147	4%	27,496	3%	27,585	3%	110,372	3%
合計 Total	2,966,743	100%	3,085,254	100%	798,499	100%	771,454	100%	854,123	100%	796,708	100%	3,218,071	100%



重要財務指標

Key Indicators

項目 (Item)	2013	2014	2015
負債比率(%) (Debt ratio)	40.54	35.848	34.47
流動比率(%) (Current ratio)	135.85	165.89	193.06
資產報酬率(%) (ROA)	4.77	8.27	9.41
股東權益報酬率(%) (ROE)	7.52	13.33	14.36
現金流量比率(%) (Cash flow ratio)	7.78	74.55	38.24
純益率(%) (Net Profit Margin)	7.63	11.82	13.37
每股盈餘 (EPS)	1.63	3.04	3.53
股利分配 (Dividend)	1.20	2.00	2.2



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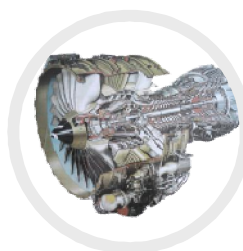
Since 1986

精密科技事業

Precision Technology

主要從事國際航太金屬結構和引擎、光電半導體等精密零組件的整合製造，具備優異的製程能力、嚴謹的品保系統與國際航太大廠的品質認證，高素質的精密製造人才和堅強的供應體系。從製程規劃、程式撰寫、工治具設計、精密加工、組裝到品質保證，嚴謹的管理系統確保達成客戶所需要的品質和服務，全方位提供客戶滿意的解決方案。

Chenfull provides varieties of precision components and modules integrated manufacturing service for Aerospace and Optoelectronic process equipment industries. With excellent processing ability, consistent quality control system, profound certifications, well skillful & disciplined personnel and strong supply chains management. Chenfull provides total solutions from process planning, programming, tools designing, processing to assembly and to fulfill customers' requirements.



誠信

Trust

積極

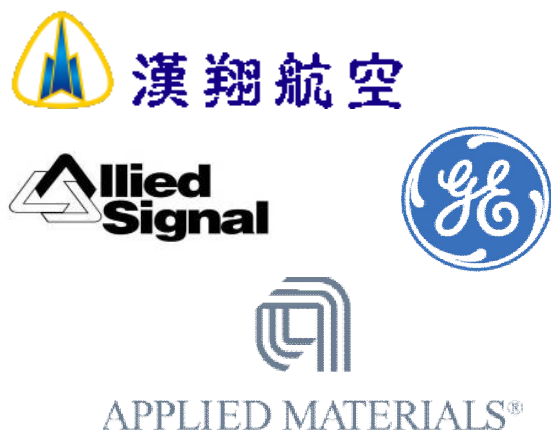
Initiative

創新

Innovation

突破

Breakthrough



Quality System Approved By

AIDC S400

Applied Materials / AKT

GE/AE (S1000, GT193 Approved for Holemaking)

Lockheed Martin

Sikorsky Aircraft Corp

Ministry of National Defense (台灣中科院)



Main Customers

Applied Materials (美國應材)

AIDC (漢翔航空)

Lockheed Martin(洛馬公司)

GE (美國奇異公司)

Honeywell (美國漢威聯合)

Mitsubishi Heavy Industries (日本三菱重工MHI)

Bombardier (加拿大)



以上商標為原註冊公司所有





精科事業 Precision Technology Division

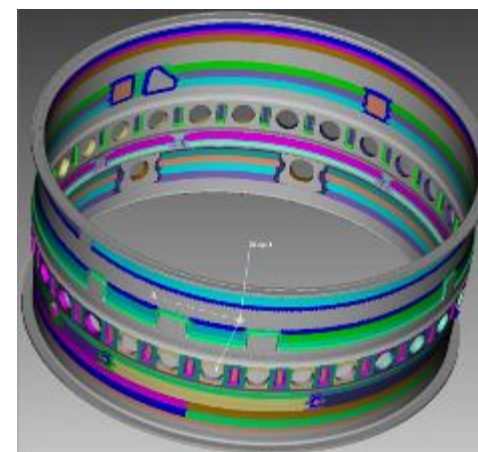
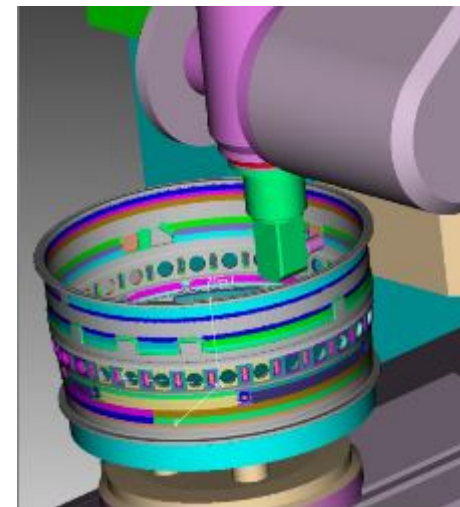
Year	2014	2015	Q1	Q2	Q3	Q4	2016	YTD-17
Revenue(M)	1245	1381	372	346	483	417	1618	262
Margin(%)	36	40	45	42	35			
Revenue	2014	2015	Q1	Q2	Q3	Q4	2016	YTD-17
光電	541	659	150	132	311	289	896	155
航太	677	722	222	214	172	128	722	107

精密加工 Precision Machining Technology

◆先進的 CAD/CAM 軟體，應用於確認不同零件最適當的CNC加工程序。搭配先進的模擬軟體的應用於確保NC程式於第一時間即能準確的運作，減少重覆開發時間，提高正確性。縮短首件開發的時程。先進的五軸車銑複合加工機，夾治具設計能力以及NC程式撰寫能力，以提供更精確及快速的首件及複雜零件之精密加工。

大型真空腔體製作技術，也是精密科技事業處長期開發的主要產品，舉凡鋁合金、不鏽鋼等各種高真空腔體，千附實業皆累積相當多的經驗與製作實績，可充分滿足客戶的各種需求。

◆ Advancing CAD/CAMs are used to define and develop most appropriate NC processes for varieties of parts. In addition, advancing simulation software is widely applied for the verification of NC program to ensure first time right and shorten the lead time for First Article. Multiple 5-Axis Milling and Turning integrated machine centers with internal fixture design and NC program capability to provide quicker and more precise for First Article realization and complicated parts machining. Precision Technology Division is also professional for vacuum chambers whose material is Aluminum, stainless, and other kinds of vacuum chambers. We have accumulated many experiences and are able to satisfy with customers' requirements.



精密量測 Inspecting Capability

◆千附實業長期投入航太產業，並導入其認證與品保系統，除通過ISO_9001認證外並通過嚴格的AS_9100航太標準，檢驗能量部分擁有四部大型三次元量床(CMM)，對於超大尺寸的量測並有雷射量測設備(LASER TRACKER)可做精密檢驗。千附實業並且通過ISO/ICE 17025的長度校正實驗室認證，對於長度檢驗儀器可做自主檢驗，以確保檢驗數據的正確性。

◆ Precision Technology Division has dedicated in manufacturing precision parts and components for aerospace and semiconductor industries and acquires Certificate of Registration for ISO 9001 and AS9100 from QMI. Inspection equipments are including CMM (Coordinate Measuring Machine) and Laser Tracker for large-size parts and components. In addition, we acquire Chinese National Laboratory Accreditation Certificate ROC for ISO/ICE 17025 and are able to do self-inspection for Dimension to ensure its correctness.



High Precision
Technology Division

焊接 Welding Capability

◆ 焊接能力(TIG/MIG)

鋁合金焊接



不銹鋼焊接



AWS Welding Certificates :

- AWS ATF Certificate.
- Certified Welding Engineer (CWE) Cert.
- Certified Welding Inspector (CWI) Cert.
- Certified Welder (CW) Certificate.



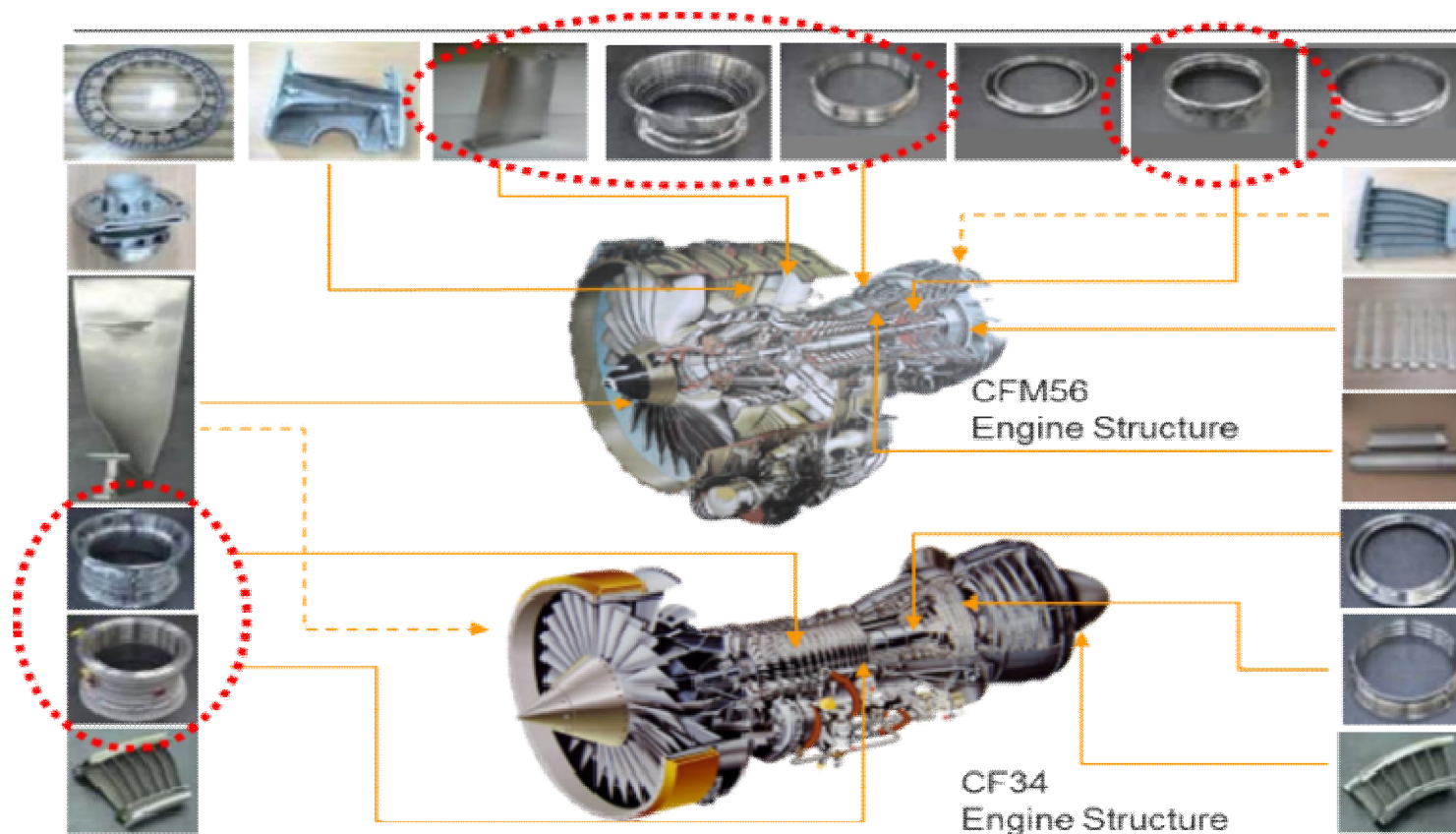


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CFM International
Engine Division

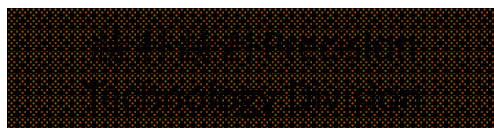
引擎結構件 Engine Case





千附實業股份有限公司
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航太結構件 **Structure Parts**



B737



BD100



S92



B787





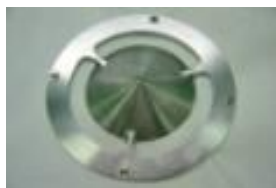
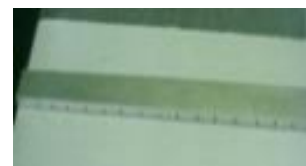
千附實業股份有限公司

CHENFULL INTERNATIONAL CO., LTD.

We Provide Quality Services & Solutions

High Precision
Techniques & Services

CVD腔體 Large-size Vacuum chambers



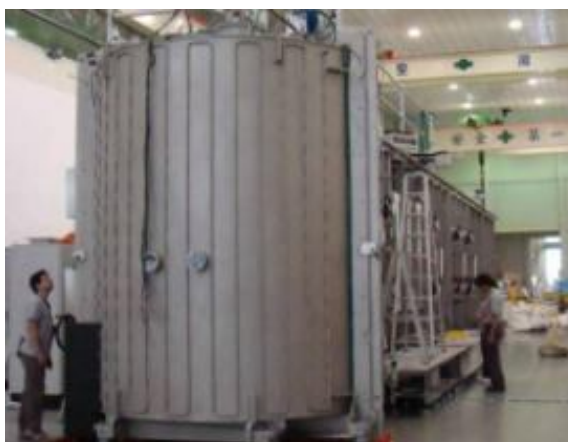


千附實業股份有限公司

CHENFULL INTERNATIONAL CO., LTD.

We Provide Quality Services & Solutions

PVD腔體 Large-size Vacuum chambers





千附實業股份有限公司

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High Precision
Fabrication Division

半導體零組件 Key parts and components



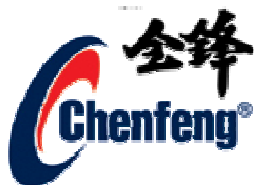
●冷卻板&加熱板
千附實業長期與金屬中心(MIRDC)合作，共同研發鋁合金及無氧銅之摩擦攪拌溶接技術(FSW=Friction Stirring Welding)，是全台唯一具備摩擦攪拌溶接之能量及證照，採用高技術焊接製程，焊接後皆需通過高真空測漏，透過精密三次元CMM量測，確保優良品質。

●電極板/擴散板

機械事業 Shoe Making Machinery

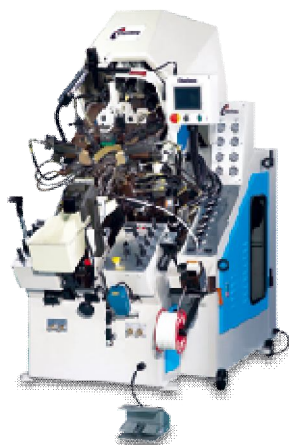
Since 1976

行銷六十多國 / 全球知名鞋機品牌

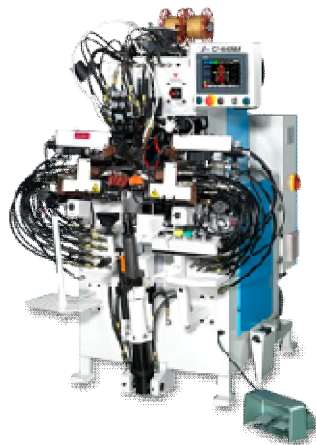


結幫機械
壓底機械
射出成型機械
裁斷機械
製鞋設備整廠輸出

Lasting Machines
Sole Attaching Machines
Injection Machines
Cutting Machines
Shoe Industry Turn-Key Projects



前幫機
Toe lasting machine
CF-777MA



中後幫機
Side and heel seat
lasting machine
CF-640ES



裁斷機
Cutting machine
CF-756DTA



壓底機
Heavy-duty Walled Sole
Attaching Machine
CF-710

全產品線 Product Line



- 前幫機 toe lasting machine
- 中後幫機 side and heel seat lasting machine
- 壓底機 sole attaching machine
- 裁斷機 cutting machine
- 射出成型機 injection machine
- 製鞋設備整廠輸出 turn-key solution



壓底機



裁斷機



射出成型機



前/中後幫機



機械事業 Shoemaking Machinery

Year	2014	2015	Q1	Q2	Q3	Q4	YTD	YTD-17
Revenue(M)	799	944	240	214	145	130	728	76
Margin(%)	25	26	30	26	23			

YTD	Proportion(%)
前幫機 toe lasting machine	Late 10s
中後幫機 side and heel seat lasting machine	Mid 10s
裁斷機 cutting machine	Mid 20s
壓底機 sole attaching machine	Late 10s

Since 1995

誠信

Trust

積極

Initiative

創新

Innovation

突破

Breakthrough

工程事業

Engineering Service

提供高科技產業全方位之設施工程系統整合服務，以優越之品質通過 ISO9002 品質管理認證之評核，成為全方位滿足高科技產業的市場需求的系統整合專家。

Chenfull provides full ranges of utilities system engineering service for high-tech industry with outstanding quality control which achieved ISO9002 standard and became an expert of the field.



工程事業 **Engineering Service**



專案工程 (Project Engineering)

澎湖海淡廠專案

Desalination plants in Penghu



台中市廬子水資源回收中心
Taichung Water Recycling Center



廠務工程 (Facility Engineering)

系統連結(System Hook Up) :



製程排氣(Exhaust) :





工程事業 Engineering Service

Quarter	2014	2015	Q1	Q2	Q3	Q4	YTD	YTD-17
Revenue	447	631	157	184	194	221	756	151
Margin(%)	31	24	33	19	31			

YTD	Proportion(%)
Exhaust(排氣)	50-
FSR(駐廠)	30+
UPW(純水)	high single-digit
System Intergration	mid single-digit
材料銷售	mid single-digit



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重要實績 Major Accomplishments

- 台積電廠務設施工程之長期合作供應商，其他客戶尚包括聯電、群創等
The long-term facility system supplier for TSMC ,UMC and Innolux .
- 建造與營運全國最大的海淡廠
Constructed and operate the largest seawater desalination plant in Taiwan
- CFM-56飛機引擎發動機機匣生產全球市佔率40%~50%
40 %~50% of market share for CFM-56 engine casing fabrication
- 美國航太大廠Lockheed Martin(洛馬公司)供應商
Lockheed Martin's key Suppliers
- 以全鋒鞋機品牌行銷世界60餘國，並為世界鞋機的領導品牌
Leading brand in shore making machinery industry
- 寶成、豐泰製鞋設備之主要供應設備商
Pou Chen and Feng Tay's key supplier for shore making machinery
- 1982年成立迄今維持連年獲利績效
Maintain profitable every year since the establishment in 1982



千附實業股份有限公司

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感謝您的關心與支持

Thank you