

建緯精密科技股份有限公司
CHIEN WEI PRECISE TECHNOLOGY CO., LTD.

高雄總公司地址：
高雄市鳳山區 830 鎮北里鎮北北巷 20-16 號
HEADQUARTERS
20-16, Chen Pei N. Lane, Chen Pei Li.
Fengshan Dist, 830 Kaohsiung City, Taiwan
TEL: 886-7-7313911 FAX: 886-7-7314976
E-Mail: info@chienwei.com.tw http://www.chienwei.com/

桃園辦事處地址：
桃園縣八德市大明街 3 號
TEL: 886-3-3617817 FAX: 886-3-3618603

台中辦事處地址：
台中市北屯區軍功里松竹五路 216 號
TEL: 886-4-24373526 FAX: 886-4-24372191

昆山長豐精密儀器有限公司
KUNSHAN CHANGFENG PRECISE INSTRUMENTS CO., LTD.
江蘇省昆山市張浦鎮大市 中吉山路 12 號
TEL: 86-512-57258001 FAX: 86-512-57258006
E-Mail: kschangfeng@163.com

※本公司保留對此型錄做修改之權利, 修改時恕不另行通知
※Chien Wei reserves the right to change specifications without notice.

設計
Design

精準
Accurate

完美
Perfect

專業
Professional

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前言 Preface

建暉公司創立於民國七十年，為精密模具、夾治具、高精密零組件、二、三次元精密量測儀器及綜合加工機之專業設計暨加工製造廠。模具、夾治具主要提供半導體 IC 封裝、光碟片及光電等產業製程使用；零組件以提供各項機械設備、生產線所需零配件及精密耗材為主；二、三次元量測儀器可廣泛應用於汽機車、3C 產品零組件、精密模具及機械零件加工 ... 等製造業之工件量測應用；高精密治具研磨機及立式龍門切削加工中心機，則主要供應精密模具、自動化、機械加工、LCD、光電及其相關產業等。

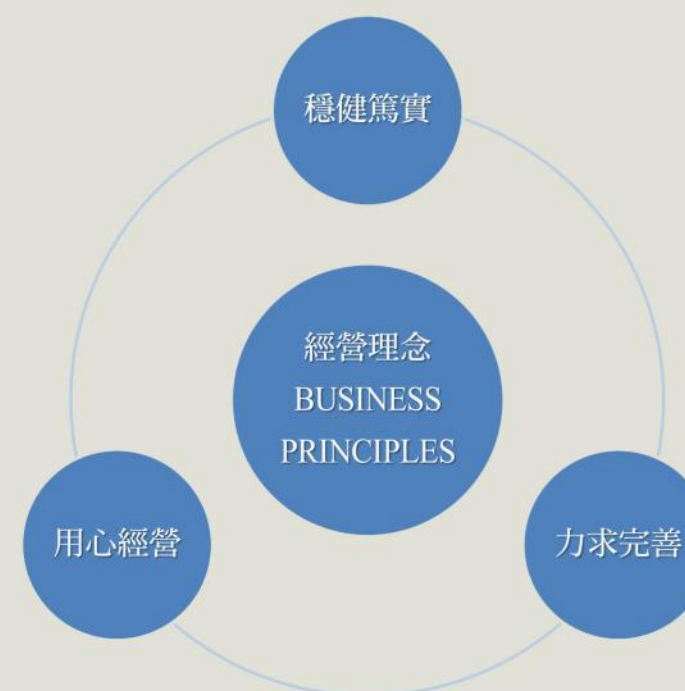
建暉公司已累積近三十年豐富之生產經驗，在經營階層及全體同仁的努力下，在業界已奠定優良信譽及優異成果。展望未來，建暉公司將秉持永續發展之經營理念，積極導入高精密加工技術，開拓更寬廣的產品應用領域及提供更優質服務，來滿足客戶之需求，為提升客戶的競爭力提供全方位的服務。

總經理 李聰林

Established in 1981, Chien Wei is an expertise in R&D and manufacturer in the field of precision mold, jig, high precision components and 2D/3D CMM (Coordinate Measuring Machine), double column machining centers. Mold and jig are widely applied in semiconductor, CD-R/DVD-R, optoelectronics industry and etc; Precision components aim to supply for machinery, production line and precision parts; 2D/3D CMM can be applied in automotive, 3C components, precise mold, machinery parts and so on; The high precision Jig Grinder and double column machining center can be utilized in precise mold, automation machining process, LCD and Electro-optics industries.

With 30 years valuable experience and great effort of all staff, Chien Wei has built up reputation and will adopt more precisely machining technology developing wide range applications and better service in order to provide total solution to customers need.

Tsong-Lin Lee
President



Steady on sincerity, attentive to management and devoted to perfection

公司簡介 Company Profile

公司名稱：建暉精密科技股份有限公司

董事長兼總經理：李聰林

創立日期：民國七十年四月十六日

資本額：新台幣參億壹佰陸拾肆萬柒佰玖拾元

工廠總面積：2,777 坪

員工人數：180 人

營業項目：IC 半導體設備耗材零組件、沖切、封膠模具及精密零件加工

光學模具、CD-R/DVD 光碟片模具製造

自動化設備之設計製造

量測儀器研發製造

精密治具研磨機研發製造

主要客戶：恩智浦 (NXP)、日月光、台灣典範、華泰電子、大立光電、奇美電子、

友達光電、銖德科技、長華電材、清盛電子、南茂科技 ... 等。

Company name : Chien Wei Precise Technology Co., Ltd.

President : Tsong-Lin Lee

Established : April 16th 1981

Capital : US\$ 10,054,000.00

Plant area : 9,181.2 Square Meter.

98,829 Square Feet.

Employees : 180 people

R&D : 16

ITEM : Production of Precision IC Packaging Mold & Die and Components

Optic Mold, CD-R/DVD Mold manufacturing

Design and Manufacture for Automatic Production Facility

R&D and Manufacture for 2D/3D Coordinate Measuring Machine

R&D and Manufacture for Jig Grinder

Main customers : NXP SEMICONDUCTORS TAIWAN LTD.

ADVANCED SEMICONDUCTOR ENGINEERING,INC.

TAIWAN IC PACKAGING CORPORATION

ORIENT SEMICONDUCTOR ELECTRONICS,LTD.

LARGAN PRECISION CO.,LTD

CHI MEI OPTOELECTRONICS CORP.

AU OPTRONICS CORPORATION

RITEK CORPORATION

CHANG WHA ELECTROMATERIALS INC.

CHANTWORLD TECHNOLOGY,INC.

CHIPMOS TECHNOLOGIES,INC.

公司沿革 History

1981年 公司成立，名稱為「建暉機械企業社」資本額為新台幣壹佰萬元，主要以零件加工為主。

1984年 公司遷至高市皓東路，並變更名稱為「建暉機械有限公司」，公司資本額亦增為新台幣壹仟萬元。

1987年 成立研發部門，以開發簡單式量測儀器，研發自製量測儀器供應國內市場需求。

1990年 公司遷廠至高雄縣鳳山市，即為現址，並正式更名為「建暉機械股份有限公司」。

1992年 正式踏入國內精密量測儀器市場，推出一系列精密量測儀器產品。

1994年 I.C.QFP精密模具研發完成，其Spare Parts之加工亦達最高腳數256LD，Pitch為0.4mm。

1997年 透過與北、中、南區經銷商之業務及售後服務合作，完整建構量測儀器行銷體系及全省服務網。

1998年 取得國家二級長度實驗室認可（CNLA No.0352），同年發表高精度經濟型治具研磨機（JG-400CM），加工定位精度為±0.0015mm。

1999年 正式更名為「建暉精密科技股份有限公司」，資本額並增至新台幣捌仟壹佰萬元。

2000年 4月獲英國UKAS組織頒發ISO 9002國際認證。同年11月量測儀器成功進軍日本市場，與世界一流儀器廠商並駕齊驅。

2001年 「精密非接觸式三次元CNC影像測定儀」與「高精度CNC治具研磨機」（JG-500CM）產製完成，資本額增至新台幣壹億貳仟萬元。

2002年 獲准為公開發行公司，資本額增至新台幣壹億參仟捌佰萬元。

2003年 核准登錄為「興櫃股票」，資本額增至新台幣貳億零柒佰萬元。

2004年 核准登錄為「上櫃股票」，於2月2日正式掛牌，資本額增至新台幣貳億肆仟零貳拾伍萬元。

2005年 第三代「高精度CNC治具研磨機」（JG-510CM）研發產製完成，同年成功外銷至泰國及俄羅斯。

2006年 資本額增至新台幣貳億捌仟參佰肆拾貳萬元。

2007年 「高精度立式門型切削中心機」（CWM-600A）研發產製完成，定位精度可達±0.005/300mm，正式踏入綜合加工機製造領域。

2008年 「超高精度立式門型切削中心機」（CWM-1010G）產製完成，整機採花崗岩結構，三軸定位精度可達±0.001mm。

2009年 「花崗岩龍門型微銑鉋削中心機」（CWM-4545G）及「高精度CNC治具研磨機」（JG-1070CM）研發產製成功。

2010年 「高精度CNC治具研磨機」（JG-1010CM）產製完成，Z軸研磨行程提升至250mm；同年10月與中正大學合作之齒輪量測儀（CWGT-450）亦成功開發完成。

2011年 「超高精度立式門型切削中心機」（CWM-6060GL/GH）投產，並進行「高精度CNC治具研磨機」（JG-510CM）主軸改良，導入液靜壓系統，真圓度可達0.5 μ以內。

1981 Company was founded with " Chien Wei Machinery Enterprise "and capital of NT\$ 1,000,000, mainly for machining field.

1984 Plant was moved on the Hau Dong Road and the company re-named " Chien Wei Machinery Co.," and capital was increased to NT\$ 10,000,000.

1987 R&D department was set up to develop convenient facility for domestic market.

1990 Plant was moved to present location in Fengshan City with name changed to " Chien Wei Machinery Co., Ltd".

1992 Striding to the field of high precision measurement machine and launching versatile facilities.

1994 Development of I.C.QFP has completed, the machining of spare parts also reached max leads of 256LD, Pitch reached 0.4mm。

1997 Through countrywide sales and after-service, a complete network was established.

1998 Awarded with national certificate (CNLA No.0352) and launching highly-precise Jig Grinder capable of positioning accuracy ±0.0015mm。

1999 Name changed to " Chien Wei Precise Technology Co., Ltd.". And capital increased to NT\$ 81,000,000.

2000 Awarded with ISO 9002 certificate by UKAS British on April and successfully entering Japanese market , keeping pace with top manufacturers in the world.

2001 Non-contact 3D CMM and high precision CNC Jig Grinder (JG-500CM) was developed and capital was increased to NT\$ 120,000,000.

2002 Approved public offering of company stock, capital increased to NT\$ 138,000,000.

2003 Approved as "Emerging Stock", capital increased to NT\$ 207,000,000.

2004 Approved as "OTC Stock " on Feb. 2, capital increased to NT\$ 240,250,000.

2005 The third generation Jig Grinder was produced and successfully exported to Thailand and Russia.

2006 Capital increased to NT\$ 283,420,000.

2007 Double Column Machining Center (CWM-600A) was produced with capability of positioning accuracy of ±0.005/300mm, stepping into the field of machining center.

2008 Double Column Machining Center (CWM-1010G) was produced with granite structure, capable of 3-axis positioning accuracy of ±0.001mm

2009 Double Column Machining Center air bearing transmission (CWM-4545G) and Jig Grinder (JG-1070CM) were produced.

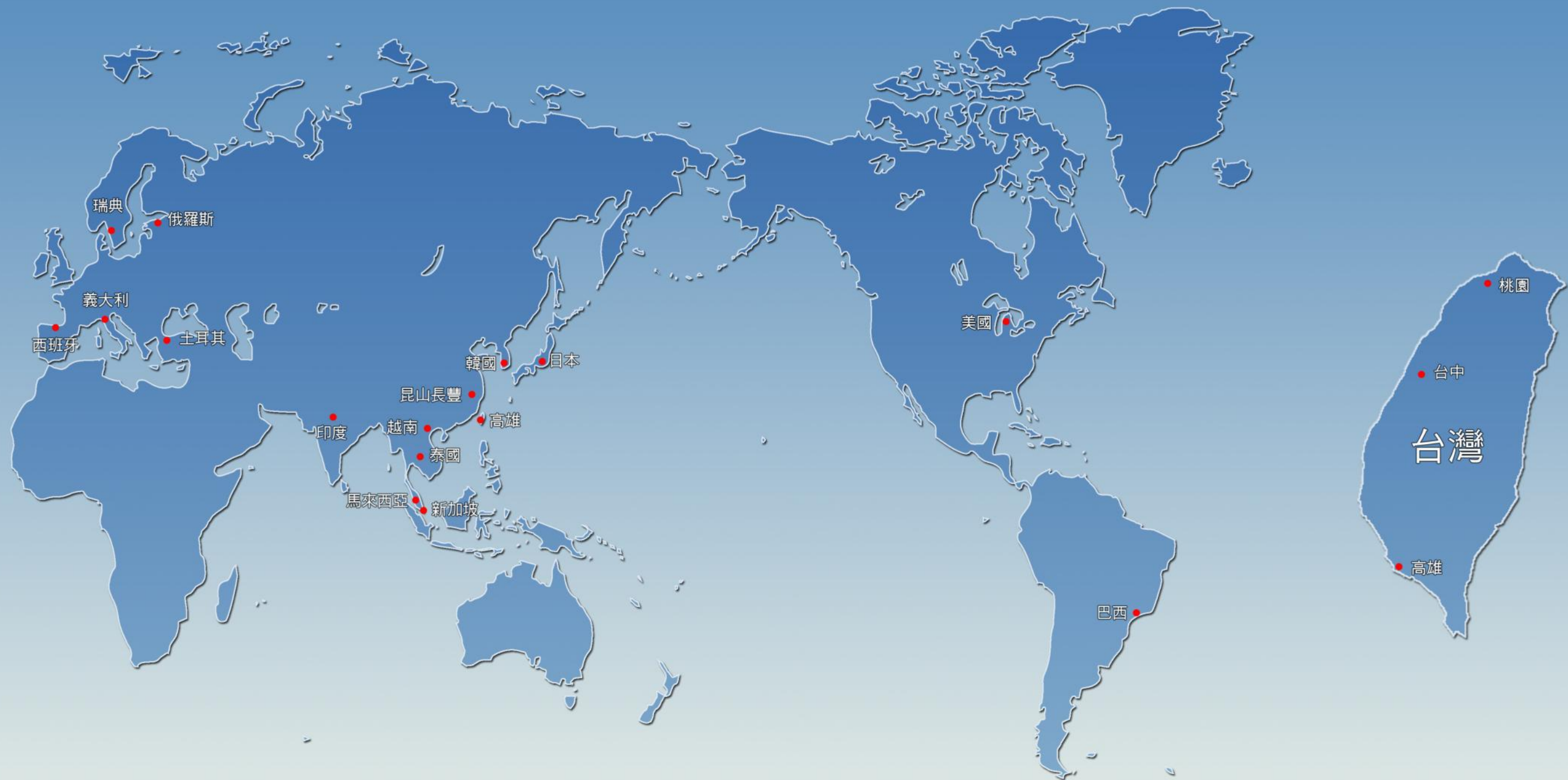
2010 Jig Grinder (JG-1010CM)was produced, the stroke of Z axis was boosted to 250mm；At the same time, cooperated with Chung Cheng University, the gear measuring machine (CWGT-450) was developed on October.

2011 Double Column Machining Center (CWM-6060GL/GH) into production, and proceed to improvement on main shaft of JG-510CM , incorporated with hydrostatic system , which leded to roundness less than 0.5μ。

產品行銷分佈 Marketing & Distribution of the Products

建暉精密科技累積多年來的商譽及服務口碑，架構了有形、無形的行銷網。從國內一直延伸到東南亞、美洲、歐洲，動線已經逐漸涵蓋到各個大城市據點，成為全球行銷網，目前本公司規劃為：總公司高雄市鳳山總廠、台中、桃園等營業處，中國大陸分公司有：昆山長豐。其他有：韓國、日本、義大利、土耳其、美國、越南、巴西、印度、瑞典、西班牙、泰國、新加坡、馬來西亞、俄羅斯。

Chien Wei, earning its reputation for many years, has deployed marketing networks from domestic market to South East Asia, America, and Europe. The networks extend to metropolitan areas and become worldwide sale networks. The company headquarters is located in Fengshan Dist. in Kaohsiung City, and branch offices in TAINAN, TAICHUNG, and TAIPEI. In addition, there are branch offices in China and distributors are located worldwide as in Kunshan, Korea, Japan, Italy, Turkey, U.S.A., Vietnam, Brazil, India, Sweden, Spain, Thailand, Singapore, Malaysia and Russia.



三次元量測儀 3-AXIS



CWB-1216AV-CNC



CWT-544AV-CNC



Precision Measuring Instruments
2 & 3 Dimensions Coordinate Measuring Machine



刀具檢測應用
3DC TOOLS organizer



儀器設備研發

Research & Development of Measuring Instruments



三十年來建緯秉持技術本位，不僅持續提高現有產品之品質並不斷研發新產品。

從二、三次元量測儀器，治具研磨機到高精密加工中心機。

建緯提供一系列之二、三次元量測儀器，從小型到大型儀器並可依功能需要而搭配測頭、雷射…等測頭。也有精度可媲美歐日等知名儀器的高精度龍門型量測儀器。

在高精密治具研磨機，為了提高研磨效能，已搭配電動研磨頭。

而主軸也改用液靜壓主軸，使真圓度從 $\leq 3\mu\text{m}$ 提昇到 $1\mu\text{m}$ 內。

在龍門型立式加工機，除了鑄鐵結構外也依天然花崗石具低熱膨脹係數，高硬度及良好吸震功能之特性而採用天然花崗石結構之高精度龍門型加工機。

Chien Wei has been steady on technique for over 30 years. Not only does pursue the excellent in product quality but also devote to development. Our products extensively include 2D/3D Coordinate Measuring Machine, Jig Grinder and high precise Machining Center.

Chien Wei provides serial of 2D and 3D coordinate measuring machines, and customers can apply probes or laser or optical functions base on requirement. Our high precise double column CMM can compete with famous brands of Europe and Japan.

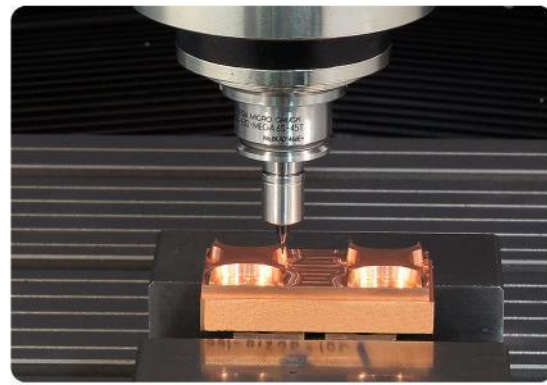
To enhance the grind efficiency, we select the electrical grinding head for high precise jig grinder machine used.

Also, the spindle has been changed to Hydrostatic spindle and the roundness upgrade to $1\mu\text{m}$ from $\leq 3\mu\text{m}$.

Except the iron cast structure used in double column vertical machining center, the nature granite structure with characteristic of low heat coefficient of expansion, high degree of hardness and excellent damping is also our selection to be used in high precise double column of machining center.



CWM-6060G



CWM-6060G 電擊加工 Electrode Processing



CWM-6060G 雷射刀具校正
The Tool Compensation by Laser



CWM-6060G 產品



CWM-600A 產品

產品研發 Research & Development of the Products

本公司研發部的優勢是建構在研發人力、設計經驗值、應用軟體等的組合上，成為本公司創新的獨特能力。其次是，經常在適當的機會與學術單位尋求技術交流。早期，本公司累積在半導體精密模具、機密量測儀器、治具研磨加工機及自動化設備改善等工程項目上提供了客戶完善的服務。近來研發團隊也在光學相機鏡頭模具、CD-R、DVD 模組上，也有非常亮麗的表現。

R&D advantages rely on excellent manpower, design experience, and integration of application software which generates a unique innovative capability.

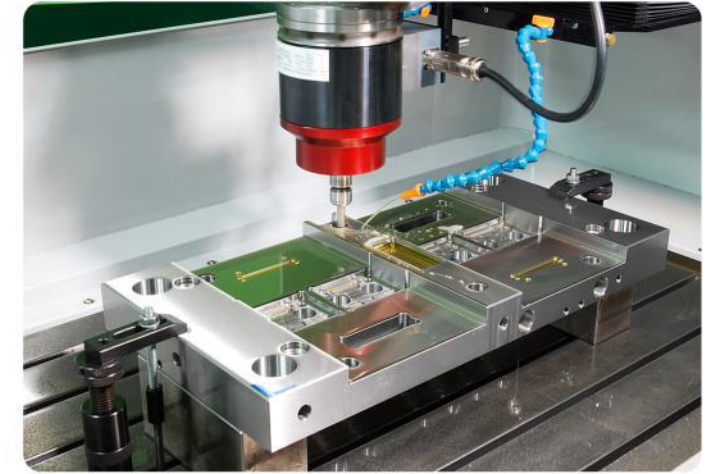
Secondly, we also take opportunity to technology exchange with academic research institutes.

We provided excellent service and expertise in semiconductor precision Mold & Die, measuring instrument, jig grinder and auto manufacturing facilities in early stage.

Now, our R&D team has outstanding performance in optics lens Mold, CD-R, and DVD Mold.



CWM-1010G



JG-1010CM 加工



JG-510CM 加工



JG-510 CM

品質檢測與 ISO 9001 國際品質認證

Inspection and ISO 9001 Quality System

品質對客戶的保證 Quality Assurance for customer



QC 檢查

本公司品質檢測部門堅守代表客戶的立場，確保產品品質達到圖面要求，進而滿足客戶在市場上暢通無礙的行銷。

本公司為了奠立品質殿堂的精確性，特別成立了經過 CNLA 驗證合格的實驗室，及導入 ISO 9000 國際品質體系，同時取得英國 UKAS 評鑑合格認證。

基於此，表示本公司對我們客戶最忠誠的品質確保。

在量測設備硬體方面，本公司引進世界頂級各型精密量測儀器，包括：光學投影儀、工具顯微鏡、三次元座標量測儀、雷射干涉儀 等。

品檢單位再依據 ISO 9001：2008 新版的品質管理系統執行進料檢驗、製程中半成品、成品的品質管制。

In order to satisfy all our customers, Chien Wei Q.C. makes every effort to assure the quality of products.

To maintain the extraordinary quality, Chien Wei has been qualified laboratory certified by CNLA, ISO 9000 Quality System and obtains UKAS qualified certificate.

Chien Wei sincerely presents our warranty to customers that installs complete sets of measuring instrument, measuring machine such as Profile Project Microscopes, 3D CMM (Coordinate Measuring Machine) and Laser interferometer...etc.

The Quality Control Dept. will execute incoming inspection, semi finished products and finished products inspection regarding to ISO 9001: 2008 latest version of Quality System.

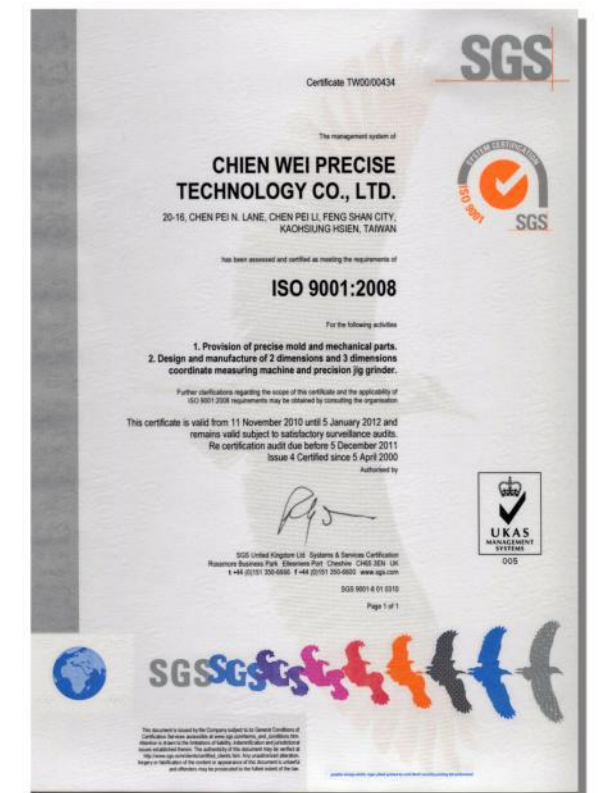
自產設備應用產品線 Self-production appliance product line



三次元精密模具檢測



品質證書



精密模具及零組件 Precision Mold and Components

要完成精確的產品，先進化及自動化的加工設備是核心關鍵。

本公司深刻體會到這項產業特質，所以特別重視精密加工設備的購置，並逐年升級更新。

本公司現有加工設備是建構在藉由電腦輔助CAD/CAM設計製造的結合，使加工精度特別發揮在精密模具、精密零件的加工上。

因此，人為失誤的機率降低再加上生管的嚴謹規劃，可以確保製程能力達到最完美的境界。

To complete the precise products, advanced and automation machining facilities play a significant role.

Chien Wei focuses on purchasing precise machining equipment and upgrading annually.

Applying CAD/CAM on machining facilities let the accuracy of precising mold and component take place perfectly.

With the low-percentage of artificial mistake and strictly production control make the product capability reaching superiority.



EDM



CNC銑床加工



W-EDM



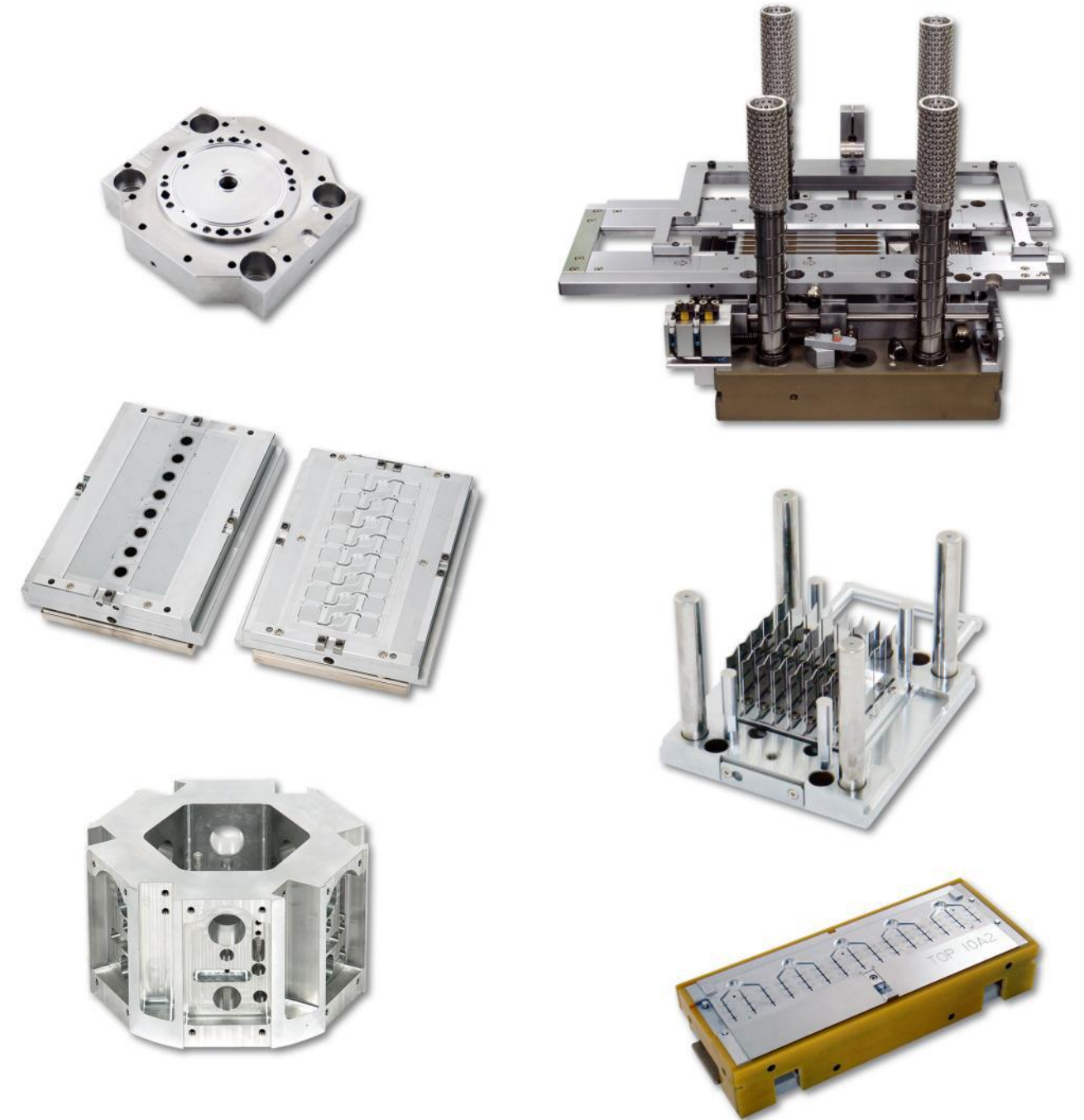
車銑複合加工



JG加工



精密研磨





CWB-450DV 組裝產品線



三次元組裝產品線



CW-3020DV



CW-2515N-PC



CWB-450DV



TJG-6060DV



未來展望 Future Perspectives

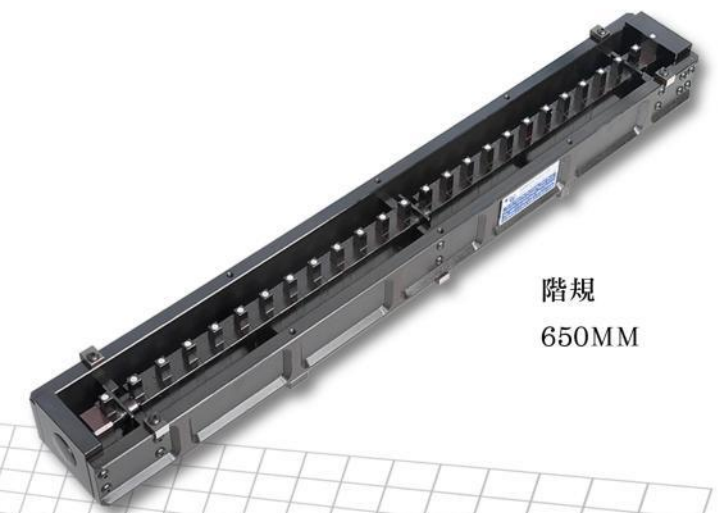
本公司從紮實的基礎起步，經歷三十年的淬煉，成就優良的製造加工技術、精確的品質觀念及豐富跨國行銷經驗，加上專業的團隊分工體系，未來將持續在高科技產業的領域，聚焦於發展精微級模具、智慧型量測儀器、高精密度治具研磨機及綜合加工機。

再進一步培養核心競爭力，並透過積極策略聯盟合作，提供更優質的設計、開發、製造整合服務，提升品牌知名度，做好準備以台灣為核心，邁向國際化，以世界為舞台。

With our firm foundation, 30-year experience, outstanding technology, excellent quality and sales expertise worldwide, Chien Wei will stick on Hi-Tech, concentrating on ultra-precision mold, intelligent measuring machines, high precision Jig Grinder, and cutting edge machining center.

Moreover, we shall develop further core competencies and strategic alliance for provision of extraordinary design, development, manufacturing and increasing brand awareness into globalization.

Other & Mold Ultra-Precision Mold Accessories



階規
650MM

VR 線軌系列



垂直儀
V-300 / V-600



探針架