

化新精密工業股份有限公司

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主要產品

機械加工領域：電動車馬達殼體、變速箱殼體、底盤零件。

組裝領域：前軸總成、各類油泵總成。

性能測試：水密、氣密、清潔度、流量功能測試及驗證。

企業沿革

- 1971 年 化新精密成立
- 1976 年 擴大業務至製造機車用引擎幫浦
- 1979 年 獲得台灣福特 Q101 供應商品質認證
- 1984 年 成為台灣三菱汽車認證之 Class A 供應商
- 1987 年 開始出口車用煞車碟盤至美國
- 1992 年 獲得福特汽車頒發之 Global Q1 Award
- 1996 年 開始成為本田、三菱、日產、馬自達等原廠零部件製造商
- 1998 年 獲得 QS-9000(ISO9001) 認證
- 1999 年 勤美集團開始投資化新精密，成為主要股東
- 2001 年 獲得 ISO-14001 認證
- 2005 年 獲得 TS-16949 認證
- 2007 年 化新精密從台北市搬遷至桃園楊梅，擴增用地約 2.5 倍
- 2010 年 獲得 OHSAS-18001 認證、日本 Yanmar 之品質管理優良認定工廠

- 2011 年 開始投產變速箱零部件
- 2014 年 變更英文名稱為 Atrans Precision
- 2015 年 GM 品質優良獎 (2015、2016 連續 2 年得獎)
- 2018 年 IATF-16949 改版認證完成、獲得 AGCO 創新獎
- 2021 年 獲得 OHSAS-18001 轉版 ISO-45001 認證、承製電動車相關零配件、投資自動化產線
- 2023 年 獲得第 32 屆國家磐石獎、ISO14064-1 聲明書認證
- 2024 年 預計取得 ISO-14067 聲明書認證

企業簡介

創立於 1971 年，初期製造機車用引擎幫浦，後跨足車廠底盤件與傳動系統零件，再擴大至農機船舶用引擎變速箱等零件。近年朝向部品輕量化，承製電動車相關零件的目標邁進。藉由創新、科技與流程最佳化的系統整合來滿足客戶需求，期許成為全球運輸與產業機具業者的金屬材料解決方案的首選供應商。

化新 LOGO 是一對內外轉子的組合，它是引擎的核心零件，而引擎是啟動發動機不可或缺的要件。公司的中心精神是「傳傳統、創創新、轉動熱情、服務客戶、突破限制、勇敢逐夢」，期許同仁以引擎的動能全速前進，驅動工程師勇於突破框架的特質。

出口實績及國際競爭力

- 1 化新專精於水泵、油泵、內外轉子、支架、平衡器、傳動零件、飛輪殼等部品的精密加工，近年朝組立（總成）件部品發展。目前銷售全球國家數約 10 個，銷售比重超過 9 成爲外銷，產業別則由汽車業跨足至農機、建機行業... 等。
- 2 化新时期許成爲精密加工與系統整合的方案提供者，爲運輸與工程機械產業零部件提供完整的解決方案。服務涵蓋金屬零件加工、組裝及功能測試，確保品質交付客戶，縮短產品開發時間，降低研發成本，助客戶搶佔市場先機，共創雙贏。
- 3 客戶滿意是化新最大的心願，善用台灣聚落的供應鏈聚落能力，導入自動化生產與量測設備，優化現有部品，擴大工程機械業務並延伸至船舶產業，持續耕耘 EV 市場，掌握農機電動化發展，以彈性調度來滿足客人，提高客戶供需黏著度。

營運管理與績效

- 1 化新近年致力於工廠轉型，購置高端精密工具機、各式車銑複合機，導入快速換模換線、校刀儀與刀破檢測、建構智慧自動化生產線等，穩定生產效率與產值，並獲得政府補助案且申請多項專利權。
- 2 品質系統運作搭配三次元量測儀、線外三次元、齒輪量測儀，搭配品質管理系統 (ISO9001、IATF16949)，確保品質與服務水準。
- 3 資訊系統與數位轉型發展方面，導入企業資源管理系統 (ERP)、製造執行系統 (MES)、供應鏈管理系統 (SCM)、機聯網 (IOT)、倉儲管理系統 (WMS)、能源管理系統 (EMS)、線上簽核系統 (BPM)、產品生命週期管理系統 (PLM) 等並異質整合，各項資訊呈現即時化可視化，作爲管理調度決策依據。

永續經營

依照 Governance 建立永續的理念 Social 影響同仁的行爲 Environment 養成永續的習慣的順序。以勤儉誠新經營理念，將員工、股東、供應商、客戶連結一起，共同成就、共同創造價值，成爲共贏、共享、共好、可回饋社會之善循環幸福企業。

- 1 公司治理方面：簡化組織架構，精實管理，資訊透明化，系統數位化、設備汰舊換新優化；參與產學合作計畫，提供就業機會及儲備優秀人才。
- 2 社會責任方面：捐助弱勢團體、捐血活動、舊衣回收、護海淨灘等，與同仁共享公司經營成果並創造友善工作環境，讓同仁藉自己的付出來成就並感動自己。
- 3 環境保護面：建置廠區太陽能發電、熱回收系統、汗水廢油處理循環系統，落實化新對永續經營的承諾與目標。



綜合評語

- 1 客戶爲國際農機具知名品牌，如 AGCO、YANMAR、SASANO MAX 等，農機零件產品具國際競爭力。
- 2 營運管理制度完善，自動化、資訊化、AI 化生產管理。
- 3 建構各項電子化、智慧製造與智能控制等系統減少能源消耗。

ATRANS PRECISION INDUSTRIES Co., Ltd.

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- 1996** Became an OEM supplier to Honda, Mitsubishi, Nissan and Mazda.
- 1998** QS-9000(ISO-9001) certified.
- 1999** CMP became the major shareholder of Atrans.
- 2001** ISO-14001 certified.
- 2005** TS-16949 certified.
- 2007** Atrans moved to new plant, space increased 250%.
- 2010** OHSAS-18001 certified.
- 2011** Transmission business started.
- 2014** Renamed from Far-Shing to Atrans Precision Industries.
- 2015** Granted GM Supplier Quality Excellence Award two years in a row.
- 2018** IATF-16949 certified. Innovative & Strategic Supplier Award by AGCO.
- 2021** Obtained ISO-45001 certification (the transition of OHSAS-18001), engaged in manufacturing electric vehicle-related components, and invested in automated production lines.
- 2023** Awarded the 32nd National Award of Outstanding SMEs and obtained ISO 14064-1 certification.
- 2024** Expected to acquire ISO 14067 certification.

Business Items

Machining Field: Electric vehicle motor housings, transmission housings, and chassis components.

Assembly Field: Front axle assemblies and various oil pump assemblies.

Performance Testing: Waterproofing, airtightness, cleanliness, flow functionality testing and verification.

History

- 1971** Established in 1971.
- 1976** Expanded business to engine oil pumps for motorcycles.
- 1979** Granted Q101 supplier quality certification from Ford Taiwan.
- 1984** Became qualified Class A supplier to Mitsubishi Taiwan.
- 1987** Started exporting disc brake to the US.
- 1992** Granted Ford Global Q1 Award.

Introduction

Established in 1971, ATRANS Precision Industries Co., Ltd. started out as a manufacturer of engine oil pumps for motorcycles, subsequently branched out into the manufacturing of chassis and drivetrain components for car companies. Afterwards, the company expanded its product range to gearboxes for ship engines and agricultural machinery. Recently, ATRANS is pushing ahead with product weight reduction and carrying out the goal of producing electric cars components. With an innovative, state-of-the-art, and streamlined system integration to cater to clients' needs, ATRANS aspires to be the top metal materials supplier for global transportation and industrial machinery industries. ATRANS' logo consists of a set of inner and outer rotors. Rotors are the core components of an engine, while engines are indispensable components to starting motors. Accordingly, ATRANS has focused its core value on "passing on the heritage, stimulating innovation,

igniting passion, servicing clients, breaking boundaries, and following dreams.” Building on these ideas, ATRANS wishes to turbocharge its employees’ performance and drive its engineers to break down limits and boundaries.

Export Competitiveness

- 1 ATRANS specializes in the precision machining of components such as water pumps, oil pumps, inner and outer rotors, brackets, balancers, transmission parts, and flywheel housings. In recent years, the company has been expanding into the production of assembly (module) components. ATRANS currently exports to about 10 countries worldwide, with over 90% of its sales coming from exports. The industries served have branched out from the automotive sector to include agricultural machinery, construction machinery, and others.
- 2 ATRANS aims to be a solution provider for precision machining and system integration, offering comprehensive solutions for components in the transportation and engineering machinery industries. Its services include metal parts processing, assembly, and functional testing, ensuring high quality before delivering to customers. By shortening product development cycles and reducing R&D costs, ATRANS helps customers get in on the ground floor, creating win-win opportunities for both parties.
- 3 Customer satisfaction is ATRANS’s greatest aspiration. By leveraging the strengths of Taiwan’s industrial clusters, the company integrates automated production and measurement equipment, optimizes existing components, expands its business in the construction machinery sector, and extends into the marine industry. ATRANS continues to invest in the EV market, capitalizing on the electrification trend in agricultural machinery, and maintains flexibility in production to meet customer demands, thereby enhancing customer’s supply-demand stickiness.

Operation Performance Management

- 1 In recent years, ATRANS has focused on factory transformation, purchasing high-end precision machine tools and various types of mill-turn machines. The company has introduced Zero Clamp system, tool setters, tool breakage detection systems, and has constructed intelligent automated production lines, stabilizing production efficiency and output value. It has also obtained government subsidies and applied for multiple patents.
- 2 The quality system utilizes Coordinate Measuring Machines (CMMs), inline CMMs, and gear measuring instruments, paired with quality management systems (ISO9001, IATF16949), to ensure high standards of quality and service.

- 3 In terms of information systems and digital transformation, ASTRANS has implemented Enterprise Resource Planning (ERP), Manufacturing Execution Systems (MES), Supply Chain Management (SCM), Machine Tool IoT, Warehouse Management Systems (WMS), Energy Management Systems (EMS), Business Process Management (BPM), and Product Lifecycle Management (PLM). These systems are integrated across various platforms to provide real-time, visualized information, supporting management and decision-making processes.

Sustainable Management

Following the sequence of “Governance” to establish a sustainable philosophy → “Social” to influence employee behavior → “Environment” to cultivate sustainable habits. Through the management philosophy of “diligence, thrifty, integrity, and innovation,” we connect employees, shareholders, suppliers, and customers, working together to achieve mutual success and create value. This enables ATRANS to become an enterprise of “benevolence cycle” that fosters win-win outcomes, shared success, mutual benefit, and contributes back to society.

- 1 Corporate Governance: Simplify the organizational structure, implement lean management, enhance information transparency, digitize systems, and upgrade outdated equipment for optimization. Participate in industry-academia collaboration projects to provide employment opportunities and develop a talent pipeline.
- 2 Corporate Social Responsibility: Support disadvantaged groups, organize blood donation drives, recycle used clothing, and conduct beach cleanup activities. Share the company’s operational successes with employees, creating a friendly work environment where employees can achieve personal fulfillment and be inspired by their contributions.
- 3 Environmental Protection: Implement solar power generation systems, heat recovery systems, and wastewater and waste oil recycling systems in the facilities, fulfilling ATRANS’s commitment to sustainability and long-term operational objectives.

