

machTM

Beyond committed, Beyond extreme

志。盡。極。致。 · 極。限。可。能

UNSTOPPABLE ELITE TROOPS

**Globalized manufacturing
and Supply service
Best performance team**

全球化的製造與供貨服務最佳執行團隊



**Beyond committed
Beyond extreme**



Since 1977

MIAO CHERNG CORPORATION

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INDUSTRIAL



AUTOMOTIVE



AEROSPACE



TQCST



afaq
ISO 9001



afaq
EN/AS/JISQ 9100



TÜV Rheinland

**Dedicating to provide solution to Automotive,
Aerospace and Industrial industry
Provide high value-added manufacturing
and globalized supply service**



HIGH- PERFORMANCE 執行力

MIAO CHERNG Corporation was established in 1977, specializing in metal related manufacturing and supply service.

With the core concept of "Value of Achievement" that people will be more valuable because of us, and the belief of "Beyond committed, Beyond extreme", we dedicate to do the things the best and most perfect. Experiencing the transcendence and breakthrough again and again makes MACH and all engineers team continue growing.

MACH 核心能力 Core Strength

With nearly 40 years' experience, we've obtained abundant experience of process development and established complete supply chain system including CNC lathe and milling complex processing, cold-forging and hot-forging, stamping and die-casting, heat treatment and surface treatment... From parts manufacturing, assembly, testing...overall complex manufacturing as well as globalized logistic and inventory management, provide the most valuable service.

**WE ARE ONE
EXCELLENT TEAM !**

**WE HAVE COMPLETE
QUALITY SYSTEM**

**WE FULLY CONTROL THE
SUPPLY CHAIN SYSTEM**

**WE HAVE THE YIELD
STABILIZED EFFECTIVELY**

**WE INTEGRATE THE
MOST EFFICIENT
PROCESSING METHODS**

**WE PROVIDE GLOBALIZED
LOGISTIC AND STOCK
MANAGEMENT SERVICE**



絕對的能力
**ABSOLUTE
CAPACITY**

Manufacture

Attitude

A reliable manufacturer 一個可靠的製造商

Our prospect is to provide high-valued metal manufacturing and supply service. And our target is to become the largest OEM parts supplier in Asia. In order to serve for customers in all areas, MACH is focused on comprehensive management, introducing quality system certification for all areas continuously. Marching into the future, we provide the different core services for automotive, aerospace, industrial industries:



Industrial



Automotive



Aerospace

Confidence

INDUSTRIAL:

Renewing supply chain integrated, inspecting and assembly service.

AUTOMOTIVE:

Endeavoring to develop process for new product and introduce automated production lines

AEROSPACE:

Dedicating to plan for achieving the most efficient target on hard-cutting material

Honesty

MACH 的品質系統認證 Quality System Certification

MACH has been awarded ISO9001, AS9100 in aerospace industry and ISO14001 in environmental management; meanwhile introduced the certification of TS16949 in automotive and ISO/IEC ISO17025 laboratory certification also ISO13485 in medical industry to satisfy customers' need in all aspects and achieve the most satisfactory service.



MACH

The perfect
resolution for
global industry

MACH

為全球工業
提供
完善解決方案

MACH grasps the advantages of all kinds of process abilities, dedicates supply chain integrated management and assembly tests aggressively; therefore it can sustain to satisfy the needs of customers from all areas. This goal has become the occupational mission to MACH.

At present, we provide a wide process manufacturing, assembly and supply service covering automotive, aerospace, industrial machine, pneumatic equipment, lighting energy, 3C, semiconductor industry.



MACH

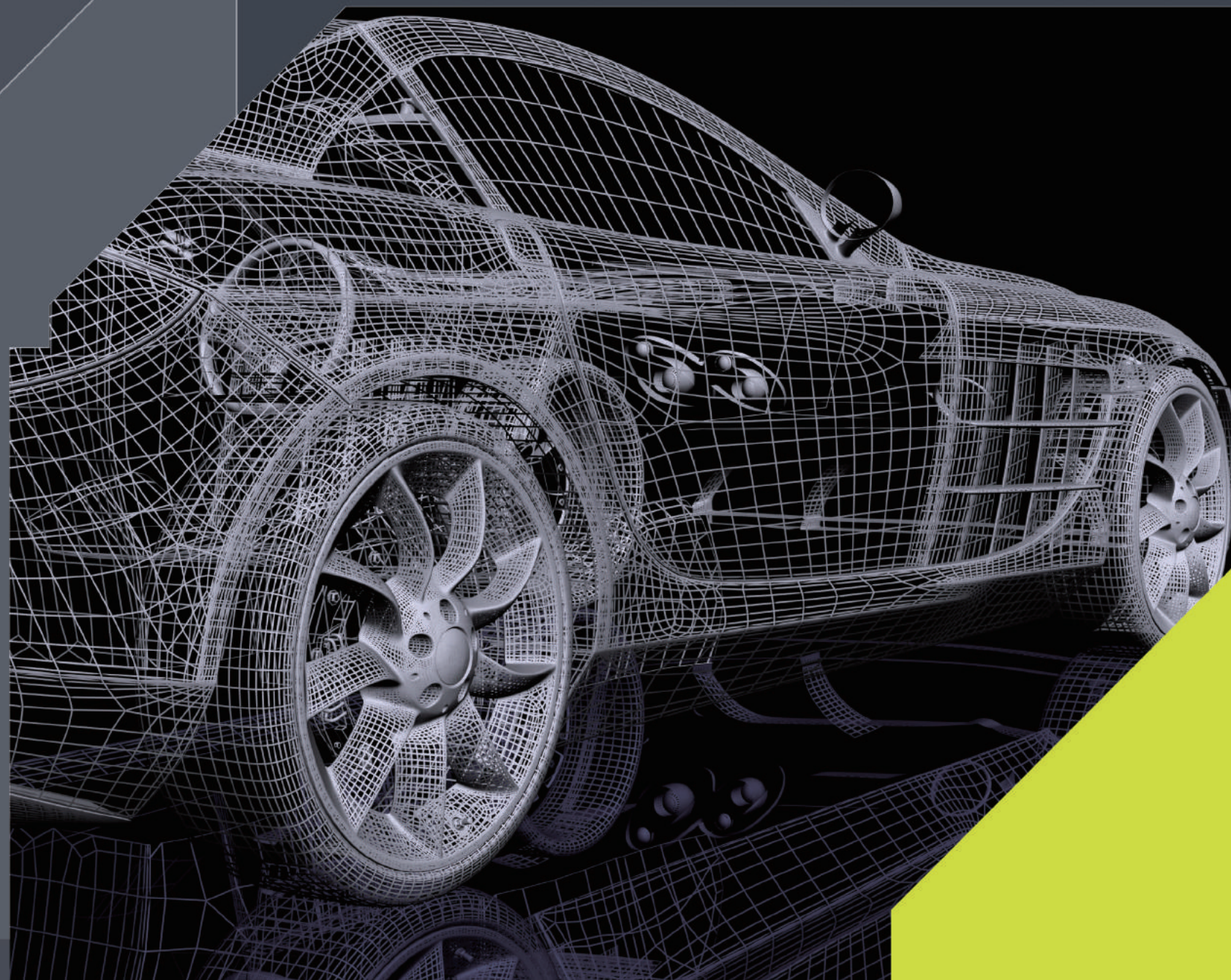
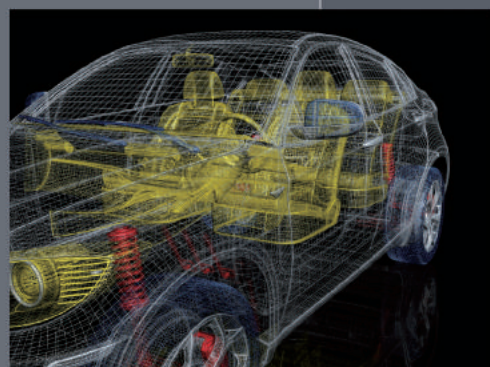
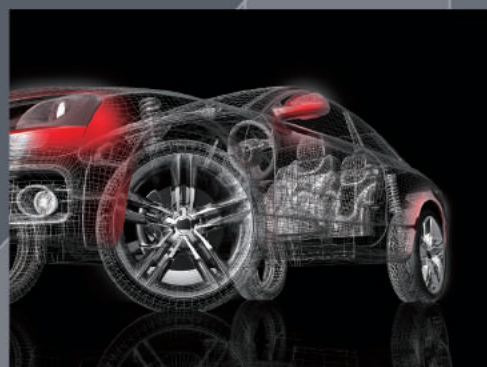
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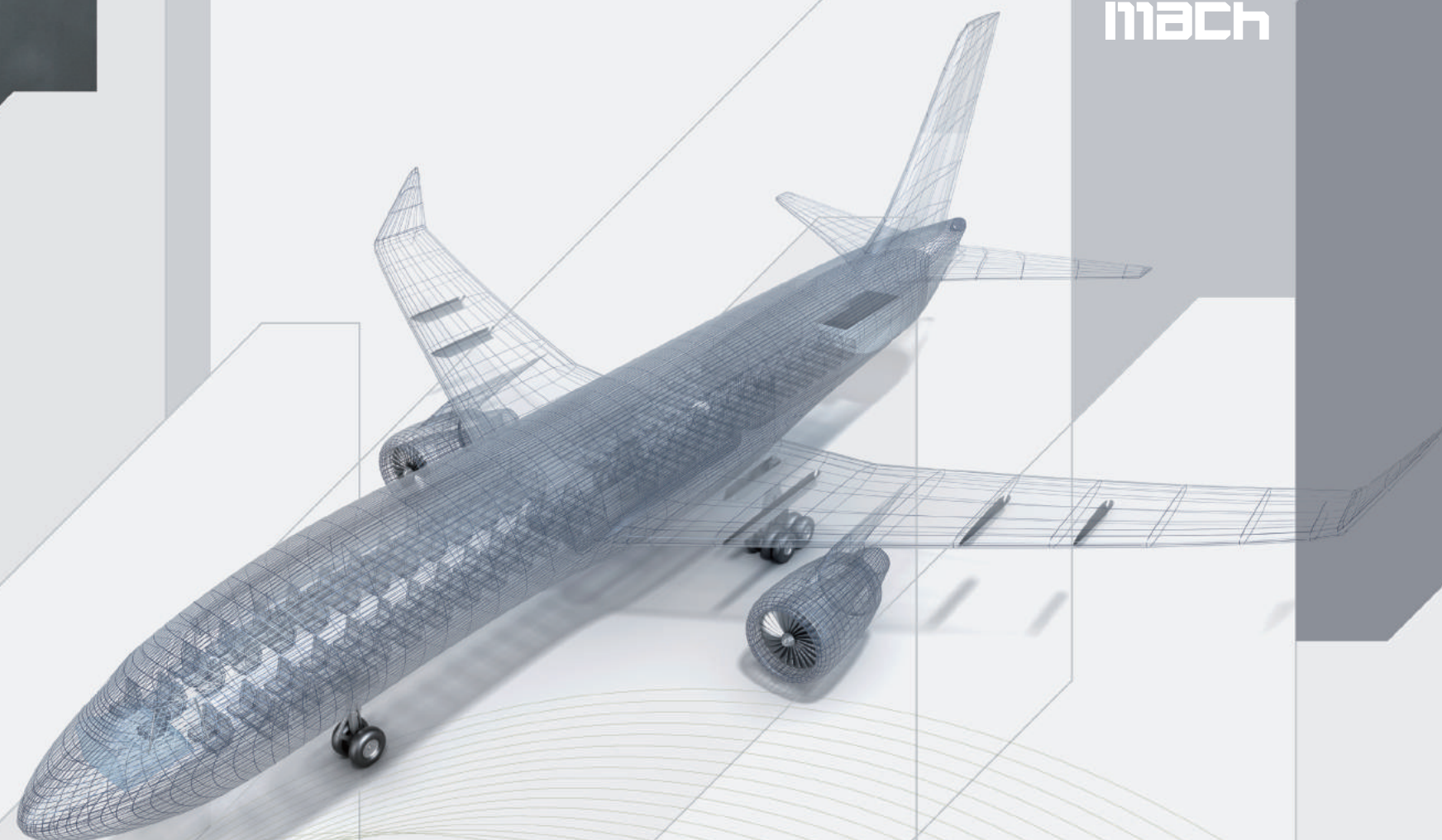
Stabilized supply service

MACH 極具競爭優勢的
生產成本與
穩定的供貨服務

MACH is based on the responsibility as metal manufacturing supplier to insist on presenting entrustment by customer. To this end, we continue to focus on helping customer develop the stable and competitive processes of production cost all year round; meanwhile, by means of the facilities of automated production line, MACH will play an important role in global procurement strategy.

Products produced by MACH for automotive are mainly for power chain system, interior and seating, roof systems including the products of steering shaft, Lathe shaft, pipe fittings, motorcycle steering shaft, complex fasteners and parts linked with main...etc.



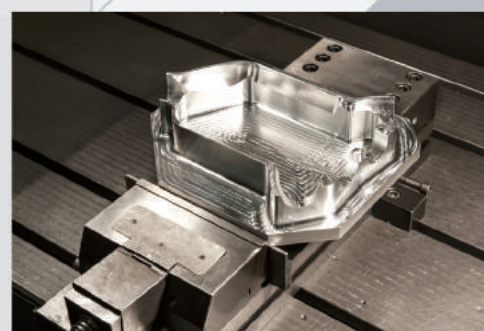
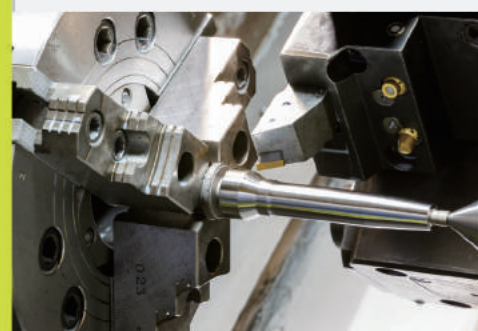


MACH The high precision and complex parts manufacturing

MACH 鑽研高精度與 高複雜度的零件複合加工

MACH is based on the belief of achieving the most efficient process planning. Not only innovate and R&D on equipment and manufacturing process, but also continue to surpass high precision and high complex parts processing skills. Therefore, MACH has got outstanding performance in the OEM manufacturing service for aerospace industry.

Now, Our experience in manufacturing material includes carbon steel, aluminum alloy, stainless steel, hard-cutting materials such as FRP, titanium alloy, super alloy. The output products are mainly applicable for machine motor and engine.



MACH 完整供應鏈 Supply 系統管理 chain management

Over 40 years' experience, MACH stands the leading position at metal industry in Taiwan. Based on social responsibilities, and meeting customer's demand, we establish a completed supply chain to provide the steady manufacturing and supply service.

At present, MACH all engineers team builds a comprehensive supply chain from raw materials, CNC lath and milling, cold and hot forging, stamping, die-casting, heat treatment and various surface treatment.

In response to market trends, we promote our technical range positively and develop new suppliers by complete evaluation and audit management; while use systematic counseling and helping suppliers for overall promotion. MACH firmly integrates the excellent manufacturing team to implement "Global design, Taiwan realize" and assist customers to upgrade their maximum advantages in the global market.



MACH 全球運輸與供貨服務 logistic service

After many years of metal manufacturing, assembly and service history, MACH continuously extends high added value service.

In the aspect of supply service, we adopt VMI (Vendor Managed Inventory). From production arrangement to inspection for delivery, we provide the most efficient supply according to customers' production line demand so that customers can react to market change more effectively and quickly.

Nowadays, MACH warehouses located at Rotterdam, the Netherlands and Chicago, USA can provide high-frequency transportation and tax services and match with end users all over the world. MACH transport route covers North America, South America, Europe and China and the supply transport service includes CIF, DDU, DAP...etc.



內斂的構成 RESERVED CONSTITUTION



MACH 全工程師團隊 all engineers team

"STAFF" IS THE MOST IMPORTANT ASSETS OF MACH we believe each team member in Mach is irreplaceable. MACH dedicate to build a enthusiastic, and friendly working environment. In this environment, Staff have good mood and attitude cooperating with each other and devoting their best on work. Meanwhile, MACH keeps implementing the latest staff training, reward system, recreational activities, sports contests...etc

"TEAM" ACHIEVES MACH PERFECT PERFORMANCE

Human-oriented basis in MACH, with energetic and enthusiastic atmosphere, we establish a young all engineers team, Introduce various quality system certification deliberately and TTQS educational (5% turnover) training to enhance staff ability and consolidate every engineers professional constitution. Currently, from process planning, production, testing and other aspects, MACH has excellent engineers to follow the strict operating procedures SOP, strict quality inspection control in order to achieve outstanding performance.

MACH 掌控絕佳的製造環境 Excellent manufacturing environment

Environmental control = Variables control

VIBRATION CONTROL

MACH design independent foundation to each Machine in order to minimize the environmental vibration.

LOW-DUST DESIGN

By means of dust-free grade steel wall, products are produced with less deviation from particles.

CLIMATE CONTROL

To enhance the processing precision and quality, the plant temperature is maintained within 25 ± 1.5 . Also the coolant is controlled by colds water within 22.

INTERNATIONAL STANDARD INSPECTION LABORATORY

To ensure the accuracy of the product which is not reformatted by temperature and humidity. MACH control the laboratory temperature within 22 ± 1 as well as humidity.

STRICT ACCESS CONTROL

MACH abide by customer's products become confidential. Each department in MACH has been set different level of authorities. Strict access control implements confidentiality agreement between the customers.





CONTINUOUS INNOVATION TO MAINTAIN ADVANTAGE

不斷創新 維持優勢

MACH Innovative, Reliable and Flexible Creates long term relationship with customer

可靠、創新、執行力與配合度
與客戶攜手共榮的製造供應商

To meet with the demand on supply market, in 2004, MACH was expanded to 7000 square meters plant in Changhua Coastal Industrial Park in Taiwan and continuously invested to introduce the most advanced technology equipment for both testing and processing, such as MORI SEIKI 5-Axis Mill Turn Center, Carl Zeiss CMM ACCURA II Inspection.

MACH always innovates aggressively to provide superior processing performance and more reliable quality control to maintain the optimal competitive advantage; moreover, MACH has the ability to meet with customer's requirement to invest and set the new manufacturing process and production line in order to be hand in hand with customers to grow in the global market.

CAPABILITY

CNC Machining

Turning - Swiss type STAR series / CNC Lathe
Milling - OKUMA machining center
Mill-turn - MORI SEIKI 5-axis Mill-Turn Center

FORMING

PRESS
FORGING
EXTRUSION

DIE CASTING

HEAT TREATMENT

Quenching and tempering
Normalized
Carburization
Induction harden

SURFACE TREATMENT

Deposition
Coating
Anodizing
Painting
Polishing

INSPECTION

Carl Zeiss CMM ACCURA II Inspection 1,400x 900x 800mm
MITUTOYO Profile Projector
MITUTOYO Roughness Tester
MITUTOYO Inner diameter Micrometer 10mm~100mm
MITUTOYO Outer diameter Micrometer 0mm~400mm
FUTURE-TECH Hardness Tester
BRITAIN 3D KCMM
VERMONT GAGE Pin Gauge 0.20~ 9.99
SYLVAC Caliper 150~1000mm



Milestones of MACH 發展里程

1977

ZAO MIAO machinery increased the capital and renamed as MIAO CHERNG Industry Co, specializing in producing stamping parts.

1979

OEM parts for US brand factory.

1980

Purchase of the first Japanese Mitutoyo Profile Projector which is the development indicator of MIAO CHERNG.

1997

Purchase of CNC lathes and CNC machining centers

2000

OEM and assembly for US paintball brand factory.

2004

MIAO CHERNG was expanded to 7000 square meters plant in Changhua Coastal Industrial Park in Taiwan.

2005

OEM and assembly for US Refrigerant Recovery Machine Brand

2007

Certified by ISO 9001:2008.

2008

Introduce the first MORI SEIKI 5 Axis Mill Turn Center,
Stepped into aeronautic and automotive industry.

2009

Establish aerospace department

2010

Introduce CARL ZEISS CMM ACCURA II Inspection.

2012

Purchase of MORI SEIKI NL2000 4 Axis CNC Lathe.

2013

Introduce TTQS education and training system.

Establish automotive department

2014

Certified by AS9100 and ISO14001

2015

Certified by TS16949

2016

Planning to introduce ISO/IEC ISO17025 laboratory certification and ISO 13485 certification, to step into medical industry.



**Beyond committed
Beyond extreme**

Year of established : 1977

Plant area : 8,500 square meters

Capital : USD\$ 4,000,000

Number of employee : 60 people

Maximum dimension of workpiece : 950mm x 800mm

Minimum dimension of workpiece : 5mm x 5mm

