



To Create a Better World with Excellence Intelligent Manufacturing

WORLD PRECISION TECHNOLOGY SINCE 2003

GLOBAL PRECISION MACHINING/ASSEMBLY
SERVICE PROVIDER



GUANGDONG WORLD PRECISION TECHNOLOGY CO., LTD.



Website



LinkedIn

HQ Add: Wanjiang Section No.6, Gangkou Avenue, Dongguan,
Guangdong Province, China. 523061
E-mail: mkt@world-machining.com
Tel: +86-769-8920-2266
Fax: +86-769-2270-0156



<https://eng.world-machining.com>



WORLD PRECISION SINCE 2003

QUALIFIED & EXPERIENCED

World Precision has been focusing on providing global full-process precision machining and assembling service since 2003 as a qualified and experienced service provider in aerospace, medical, automation, nuclear, petrochemical and communication industries. World Precision deeply understands the meaning of global machining and assembling services.

After 21 years of experience accumulation and technology precipitation, World Precision has achieved high-quality leapfrog development, and has continued to work hard in the main business fields such as precision machining, sheet metal processing and module assembly.

- 2024 Sheet Metal Factory Expansion
Vietnam Factory Established
- 2023 World Intelligent Industrial Park
Put into Use
Indian Factory Established
- 2021 SPEX Founded
Outward Promotion of
Smart Factory Business
- 2020 Suzhou World
Founded
Acquisition of
Kind Precision
- 2019 Sheet Metal
Factory Founded
- 2015 USA Branch
The First Oversea
Branch Founded
- 2007 Wuxi World
The First Domestic
Subsidiary Founded
- 2003 Dongguan World
Founded

WHY CHOOSE WORLD PRECISION



INDUSTRIES WE SERVE



High precision workshop equipped with MAZAK and DMG 5 Axis CNC, MAZAK 4 Axis CNC, MAKINO 3 Axis CNC.

Traceability is maintained in ERP for every production run in accordance with strict documentation practices for raw materials, machining processes, outsourcing processes, assembly and all other critical services.



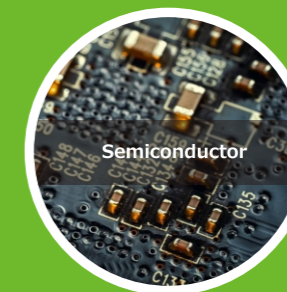
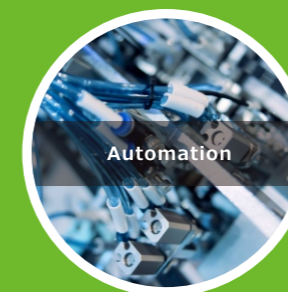
Ability to process many different materials. Our experience of processing metal, alloys, and plastics help to ensure that we can create your parts out of the material that will work best for the intended application.

Secondary Processes. We perform many secondary processes in-house, including EDM, Wire cutting, Grinding, Deburring and Ultrasonic cleaning. We can also fully coordinate outside processes such as heat treating, plating and painting.



- 21 YEARS EXPERIENCE
- 200,000+ m² FACILITY
- 3600+ EMPLOYEES
- 700+ ADVANCED CNC MACHINES
- 100+ HIGH ACCURACY INSTRUMENTS
- 8+ MANUFACTURING PLANTS

AND MORE



PRECISION MACHINING PROCESS



PRECISION MACHINING SERVICE

Precision Grinding/Lathing

5 Axis CNC Machining Service

CNC Turning/Milling

Wire Cutting & EDM

Surface Processing

Horizontal Machining Centers

CNC Grinding

Vertical Machining Centers

Provide industry competitive precision machining, vacuum heat treatment, surface treatment, assembly and testing services

- Whole-process precision machining
- We are known for our expertise with complex components in machining
- Our capabilities include the precision tolerances controlling down to +/-0.002mm with low micron surface finishes
- Our machining capabilities include 5, 4 and 3 axis machining, CNC turning, milling, wire cutting, EDM and grinding

Some of the medical products 4-axis or 5-axis machined

- Medical impellers
- Laser eye keratome gear plate
- CT scanner parts
- Stator, rotor, and rotor housing for blood gas analyzer





CNC
MACHINING
SERVICE

PROTOTYPING PILOT LOT MASS PRODUCTION

Our engineering team offers the expertise and support starting from the initial prototype throughout the entire verification processes (EVT, DVT & PVT) till the end of MP.

LOW VOLUME HIGH MIX
HIGH VOLUME

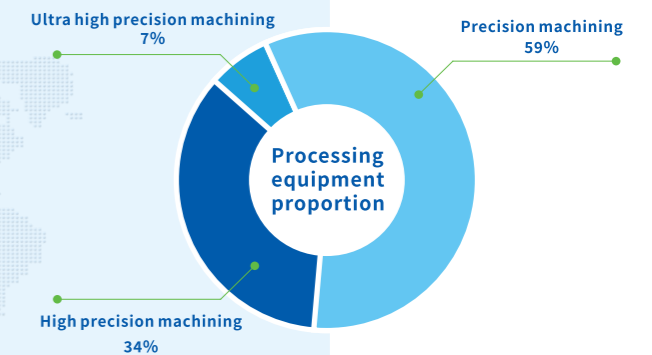


FULL PROCESS EQUIPMENTS

Guangdong World Precision has introduced a large number of CNC machine from Germany and Japan; a leading role in the global precision processing industry in term of the product precision machining and processing capabilities;

Total number of devices 700+

- Five axis machining center: **30+**
- Four axis CNC horizontal machine: **10+**
- Three axis CNC vertical machining: **320+**
- CNC lathe: **20+**
- Electric spark machine: **13+**
- Wire cutting machine: **18+**
- Testing instrument: **210+**
- Others: **90+**



- The brand machine tools owned by World Precision and their precision distribution

Ultra high precision machining (<5μm)



High precision machining (5~10μm)



Precision machining (>10μm)



PRECISION MACHINING CAPABILITY



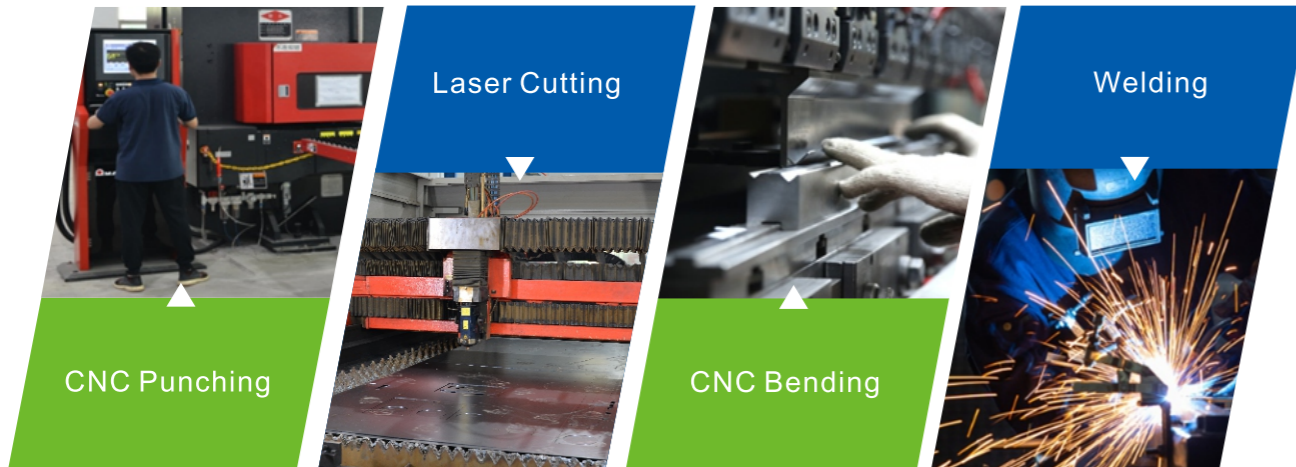
CWB certification

PRECISION SHEET METAL



Equipment Type	Raw Material	Thickness(mm)
Laser Cutting	Steel	~12
	Aluminum	~3
Bending	S.S.	~6
	Low carbon steel	~6
	Al5052,3003	~3

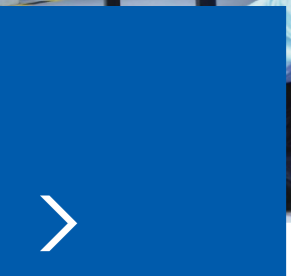
> SHEET METAL SERVICE



Focused on argon arc welding, oxygen welding, laser cutting, CNC bending and stamping business for more than 10 years



- Welding technicians are 100% certified by the Canadian Welding Bureau (CWB);
- Possess international advanced laser cutting machine, turret CNC punching machine, CNC bending machine, welding machine, etc;
- Can process copper plate, aluminum plate, thicker stainless steel and other conventional materials;
- High machining accuracy, stable performance and good dimensional consistency.



MODULE ASSEMBLY

World Precision offers various partnership models for module and system assembly.

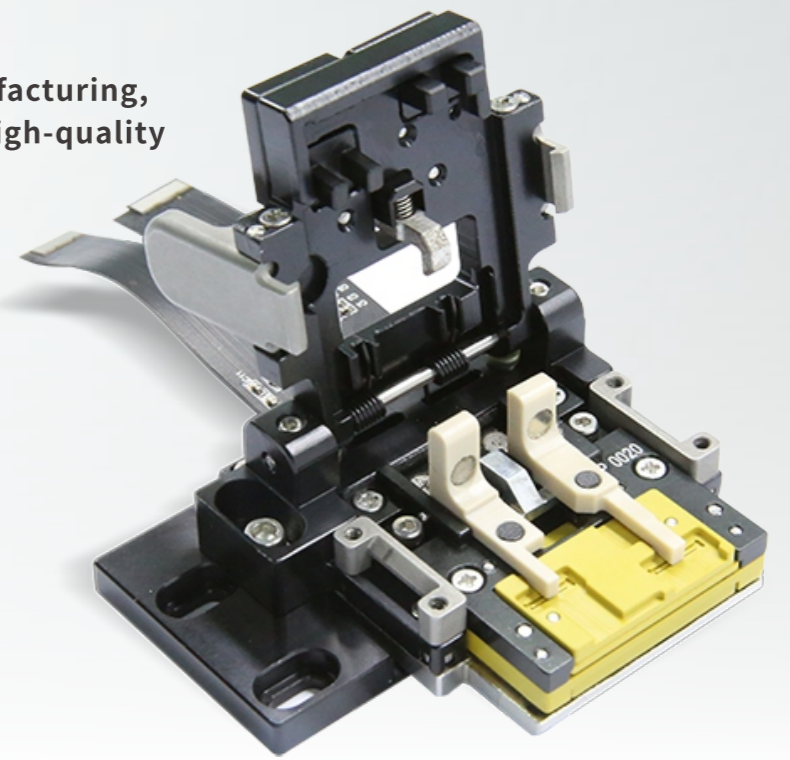
Module assembly includes the assembly of an individual components that are grouped into smaller assembly units and ordered separately by the OEM.

After the World Precision's skilled staff and extensive equipment output each individual items, they're then passed to individual module. This is where concept is taken to the completion. After an assembly in accordance with just-in-sequence and just-in-time requirements, they are supplied to the customer on the production line.

- 300+ Assembly engineers and technicians, mechanical and electrical engineering support;
- Standardized design and manufacture, mature application of FA & SOP process system;
- Strong batch manufacturing strength, output 1000+ sets/month;
- We can meet the module OEM customization needs of customers.

Standardized design and manufacturing, batch assembly, efficient and high-quality

- Customized automation
- Filming equipment
- Circuit board processing
- Automatic spot welding series
- Laser equipment
- Spraying equipment
- Medical equipment
- Glass machinery

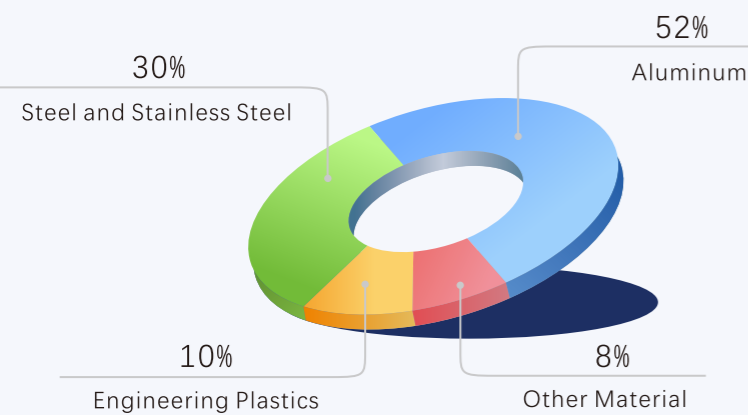


USE OF RAW MATERIALS

Some common raw materials we can supply for aviation industry applications include:

- Titanium, AMS 4902, AMS 4905, AMS 4911, CP class 1, CP class 2;
- Aluminum 7075, AMS-QQ-A-250, aluminum 6061 T6, T651, AMS4027, etc.;
- Chromium molybdenum alloy steel, AISI4120, 4150, etc.

Main Metal Material	China (GB)	USA (ASTM)	Japan (JIS)	Germany (DIN)
Rolled steel for common structures	Q235A	A36	SS400	1.0040
Rolled steel for welded structures	Q235B	A283M Gr.D	SM400B	1.0042
Carbon steel for mechanical structures	45	1045	S45C	1.0503
Manganese steel for mechanical structures	40Mn	1039	S40C	1.1157
Chromium steel for mechanical construction	40Cr	5140	SCr440	1.7035
Chromium molybdenum steel for mechanical construction	30CrMo	4130	SCr430	1.7220
Manganese chromium steel for mechanical construction	20CrMn	5120	SMnC420	1.7147
Corrosion-resistant stainless steel	0Cr18Ni9	AISI 304	SUS304	1.4301
Nickel-chromium superalloy	GH4169	Inconel718	-	Mo3
alloyed tool steel	Cr12Mo1V1	D2	-	1.2379
Corrosion-resistant stainless steel	0Cr19Ni10	AISI 304L	SUS304L	1.4306
Corrosion-resistant stainless steel	0Cr17Ni12Mo2	AISI 316	SUS316	1.4401
Corrosion-resistant stainless steel	0Cr17Ni14Mo2	AISI 316L	SUS316L	1.4435
Corrosion-resistant stainless steel	9Cr18	AISI 440C	SUS440C	1.4125
Aluminum and aluminum alloy sheet, plate and strip	6A02	6061	A6061P	3.3207
Aluminum and aluminum alloy rod, rod, wire	LD6061	6061	A6061BE	-
Aluminum and aluminum alloy rod, rod, wire	2A12	2024	A2024BE	3.1355
Aluminum and aluminum alloy rod, rod, wire	7A04	7075	A7075BE	3.4365
copper bar	H70	C2600	C2600BE	2.0265
Copper sheet, copper plate and copper strip	H90	C22000	C2200P	2.0230
Copper and copper alloy bars	HPb61-1	C36000	C3604BE	2.0401



- Ratio
- Aluminum
 - Steel and Stainless Steel
 - Engineering Plastics
 - Other Material

BETTER GUARANTEE FROM SMART FACTORY



Efficiency
Accuracy
Quality



AUTOMATIC CNC
PRODUCTION WORKSHOP



Cost
Time
Defects

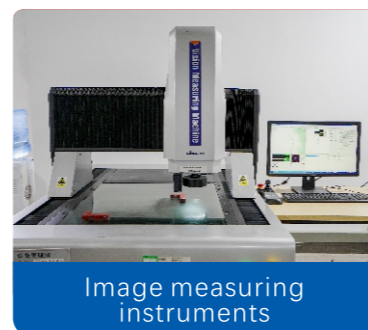
Relying on rich experience in precision parts manufacturing and in-depth understanding of the mechanical processing industry, combined with rich deposits in the field of automation, World Precision has completed the intelligent transformation of high-precision machining workshop, opening up all production links from the whole process of software and hardware.

What benefits can smart workshop bring to us ?

- Labor-saving, reduce energy consumption, reduce cost and increase efficiency
- Realize lean production management and eliminate waste
- Digitization of production management, transparent and visible
- Full-automatic production operation improve efficiency
- Product information traceability prevention and reduction of losses



The trust customers have in World Precision is built on our exceptional quality standards. All the processes from beginning to the last are strictly in accordance with ISO 9001:2015, ISO 13485:2016, ISO 14001:2015 and AS 9100D certified systems.



THE AMSTC QUALITY POLICY



Aerospace:

Material certification complies for industry standard



Medical:

Traceability from raw material to finished parts



Special:

Record of all process data for every lot



Common:

Fully compliant with the exact requirements of our customers

QUALITY OBJECTIVES

The customer complaint rate is less than 0.3%, and the customer satisfaction rate is over 95 points

<0.3%





ISO9001:2015



ISO13485:2016



ISO14001:2015

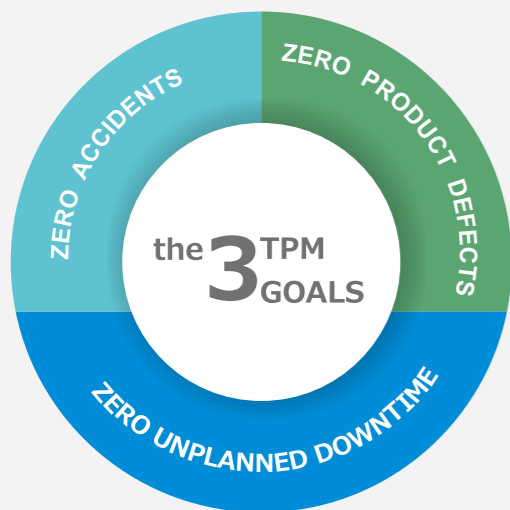


AS9100D

EXCEPTIONAL QUALITY STANDARDS



- Statistical process control(SPC): monitors and controls quality by tracking production metrics.
- Six Sigma: uses five key principles to ensure products meet customers' needs and have zero defects.
- TPM: improves product quality by eliminating downtime, defects, and accidents.
- Kaizen: helps employees identify and solve problems in their daily work.
- 8S: helps organize and standardize the workplace, protects customer information security.



Q1: Are you a trading company or a factory?

A1: We are a factory.

Q2: How long is your delivery time?

A2: Samples are generally 3-7 days; bulk orders are 10-25 days, depending on the quantity and parts requirements.

Q3: Do you provide samples? Is it free or extra?

A3: Yes, we can provide samples, and we will charge you based on sample processing. The sample fee can be refunded after placing an order in batches.

Q4: Do you provide design drawings service?

A4: World Precision strives to provide the transparency to its customers during the entire process of the production. RTTS system under development will provide real time tracing access to the customers regarding their parts in production.

World Precision is conducting its customer-oriented demand identification and change management process throughout the whole course to make sure its customers being correctly understood and to provide its customers with the possibility of change in design or process at any time in case needed during the entire course.

Q5: What about drawing confidentiality?

A5: Sign NDA agreement with the customer. Completely remove customer information from the production site and drawings, and ensure that it will not be leaked to anyone else.

Q6: How do you guarantee the quality of your products?

A6: We are equipped with a variety of advanced testing equipment, forming a comprehensive quality management system focusing on IQC, IPQC, FQC, OQC, AQE, SQE, calibration, CQE, etc. Our company has passed ISO9001, ISO13485, ISO14001, AS9100D and other quality certifications.

