



COMPANY PROFILE

东莞市腾信精密仪器有限公司

Dongguan Turnxon Precision Co., Ltd.

Content:

- I. Company Overview
- II. Products & Industries served
- III. Manufacturing capabilities
- IV. Quality Assurance
- V. TURNXON core competitiveness
- VI. TURNXON future plan





Headquarter in **China**



Plant in **Vietnam**



Plant in **Mexico**

OEM

- Supplying **precision components & sub-assembly units**;
- Providing **ODM services** according to the requirements;

ODM

Company vision

- Create value for the customers;
- To be a leading supplier and build a long-term cooperation;

- Found in **2001**
- Headquarter is in Guangdong, South China
- About **1000** employees
- About **560** units machines
- USD 110 millions revenue in 2022
- Plants are **ISO** certified

Products & Industries served



Products & Industries served - Market segment

Industry served:



Energy industry



Analytical instruments



Semi-conductors



Medical devices

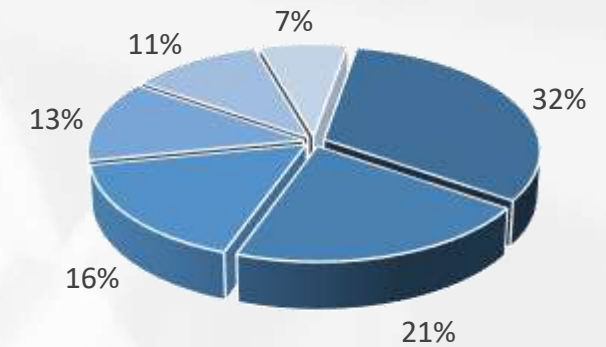


Aerospace



Other industry

Market segment (Revenue)



- Energy industry
- Analytical instrument
- Medical device
- Semi-conductor
- Aerospace
- Other industry



- **Application:** Mass spectrometer; Liquid chromatography; Gas chromatography; Other testing device;
- **Raw material involved:** Nicronic 60, Inconel 625, Mo Alloy, SS318, SS316, SS316Ti, SS303, SS304, SS440, 17-4PH, Al6061, Al 6082, Al 2017, PEEK, Vespel-SPE, etc.



- **Application:**
Well surveying;
Drilling;
Completion;
- **Raw material involved:**
INCONEL 625, INCONEL 718, Ti-6Al-6V, SS300 series, 17-4PH, 4140, 4130, 4330V, Aluminium, PEEK, Nylon, etc.

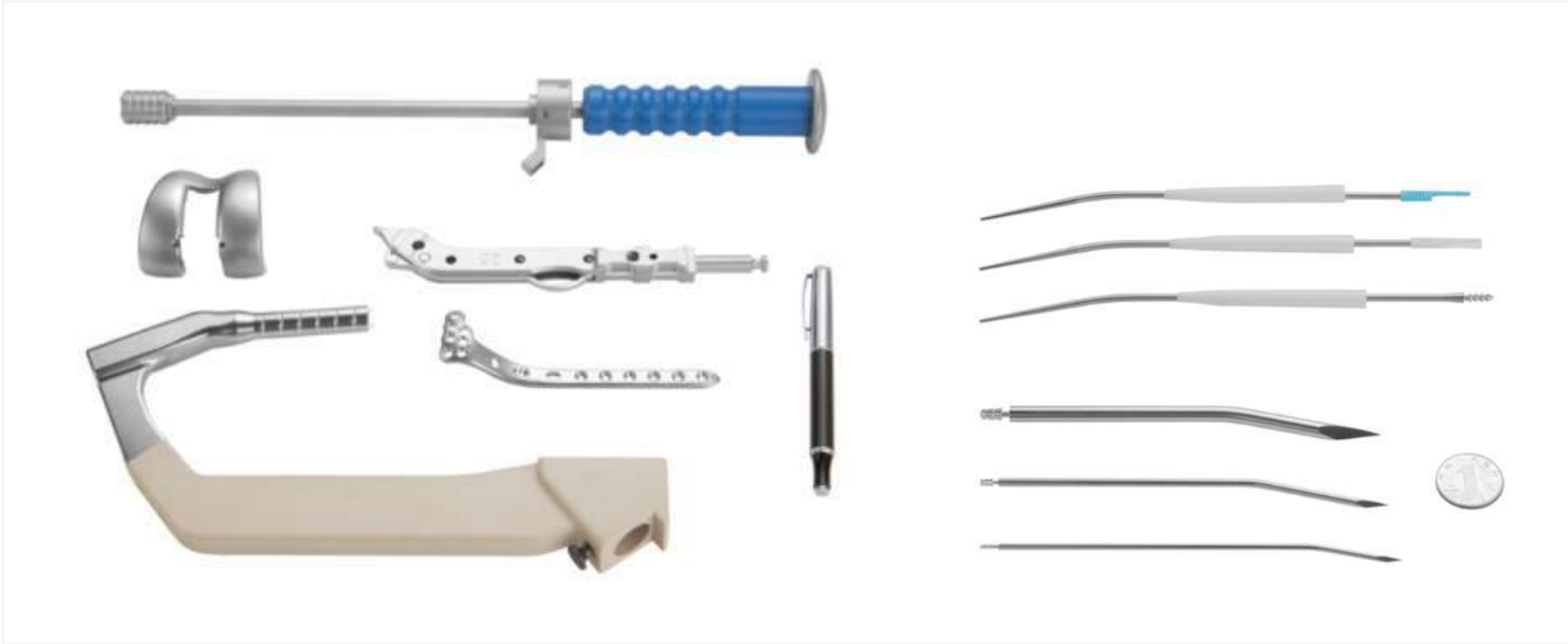


- **Application:** Vacuum pump, Laser movement controller, Laser power, Wafer production equipment, etc.

- **Raw material involved:** Aluminium, MIC-6, Stainless steel, C36000, PEEK, etc.



- **Application:** Pneumatic assembly tools; Actuators; Industrial robots; Controllers;
- **Raw material involved:** Stainless steel, Aluminium, Carbon steel, etc.



- **Application:** Anesthesia breathing machine; Dental implant; Dentistry equipment; Orthopedic instrument; Surgical access device, etc.
- **Raw material involved:** SS 316, SS 316LVM, 17-4PH, SS303, PPSU, HDPE, Nylon 11, etc.



- **Application:** Connectors; Sensors;
- **Raw material involved:** Aluminium; Stainless steel, Inconel, Ti alloy, 15-5PH, 17-4PH, PEEK, etc.



- **Application:** Sub-assembly units;
- Involved with various kinds of components;
- Be able to do related test such as leakage test, mechanical test, etc.

Products & Industries served - Other industry



Manufacturing capabilities - Machine list



Total CNC machines : 560 units

CNC Turning	91
CNC Swiss turning	40
CNC Multi-Lathe	113
CNC Vertical Milling	280
Horizontal Milling center	18
5 axis milling	17
Gun drilling	1
Wire Cutting	30
Laser Marking	8
Sand Blasting	3
Automatic welding	1
Ultrasonic cleaning line	5
Hydrocarbon cleaning line	1

Manufacturing capabilities - CNC process

5-axis milling center

Qty: 17 units

Range: 762*508*508

Brand:

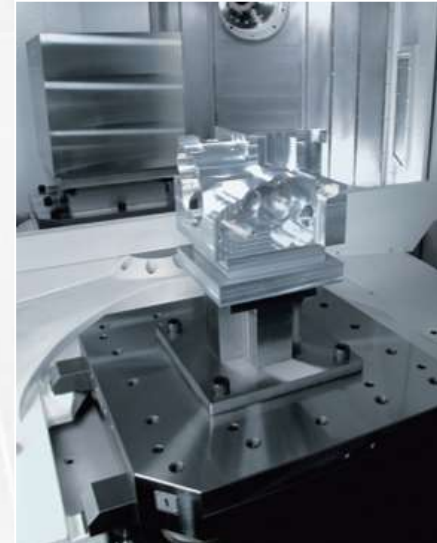


Horizontal machining

Qty: 26 units

Range: 700*800*700

Brand:



Manufacturing capabilities - CNC process



3/4 axis milling center

Qty: 248units

Range: 750*510*420

Brand:

DOOSAN

brother®



Gantry machining

Qty: 2 units

Range:
3100*1600*850

Brand:

Taikan®



Manufacturing capabilities - CNC process

Large range CNC lathe

Qty: 39 units

Range: Dia 650*3000

Brand:

Mazak

**ALEX-TECH
MACHINERY**

GOODWAY

Miyano



Turn mill

Qty: 167units

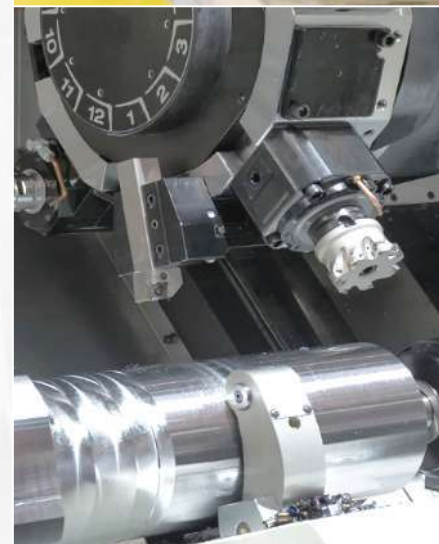
Range: Dia 400*750

Brand:

Mazak

**PRECISION
TSUGAMI**

DOOSAN



Manufacturing capabilities - CNC process

Swiss turning

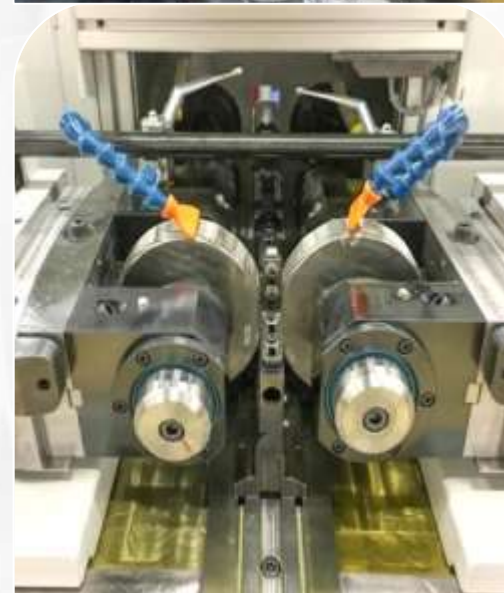
Qty: 62units

Range: OD 23

Brand:

PRECISION
TSUGAMI

star



Fine thread roller

Model: FLEX S 10e

Range: 0.25mm ET

Ability:
Ensure the pitch
diameter accuracy of
5um

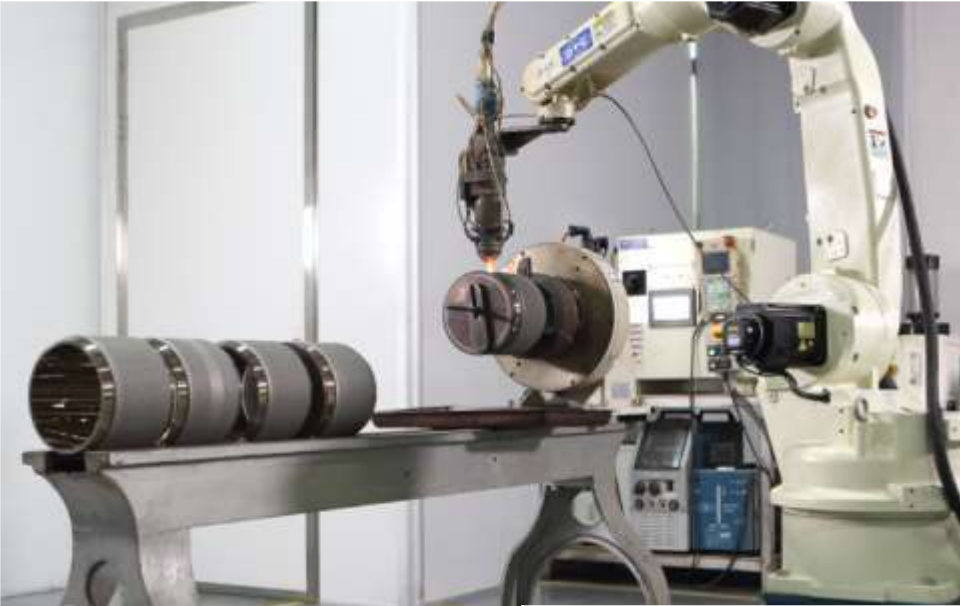
Manufacturing capabilities - Cleaning



- ✓ Ultrasonic cleaning line;
- ✓ Hydrocarbon cleaning line;
- ✓ 100,000 class clean room;



Manufacturing capabilities - Auxiliary process



Laser cladding

Model: Laserline

Range: D500*1500

Power: 4400W

Tungsten carbide
cladding

Summary of major process

- ✓ Turning
- ✓ Milling
- ✓ Gun drilling & Deep Hole Machining
- ✓ Wire Cutting
- ✓ Welding / Laser cladding
- ✓ Laser marking
- ✓ Surface Grinding
- ✓ Cylindrical Grinding
- ✓ Sand Blasting
- ✓ Polishing
- ✓ Tumbling
- ✓ Ultrasonic Cleaning

✓ **Heat Treatment**

Annealing, Normalizing, Tempering, Aging, Nitriding, Carbonitriding etc.

✓ **Surface Treatment**

Plating : Chrome, Nickel, Zinc, Silver;
Phosphating, Anodization, Spraying, PVD Coating, Paint etc.

✓ **Casting & Forging & Stamping & Injection**

Die Casting, investment Casting, Stamping, Forging, Rubber Molding

✓ **NDT Testing**

Ultrasonic testing, magnetic particle test, X-Ray testing



Manufacturing capabilities - Design and engineering

◆ Fixture & Tooling design

- Customized fixtures design for the process
- Automatic loading fixtures design for high volume parts

◆ Automatic inspection

- Automatic inspection system design & application under image projector

◆ Willing for DFM

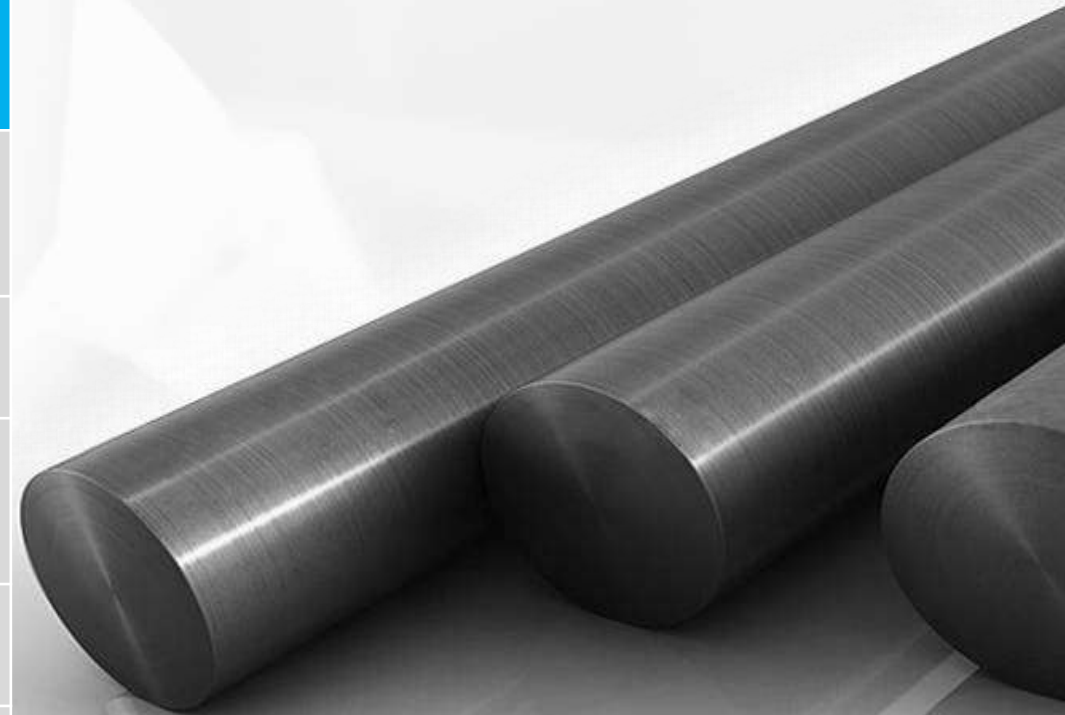
- Be willing to review the product design together with customers for high efficient manufacturing



Manufacturing capabilities - Raw material experience

The Typical Material We Are Using (Include SAE / ASTM, JIS, DIN etc.)

- | | |
|--------------------------|---|
| • Stainless Steel | 301, 303, 304, 316, 316L(VIM/VAR), 410, 416, 420J2, 430(F), 440C, 17-4PH(630) |
| • Alloy Steel | 4140, 4130, 1Cr13, 2Cr13, 3Cr13, GCr15, Q235 |
| • Copper Alloys | C63000, C39200, C95400, C3602, C3604, C36000, HPb59, HPb62, CZ131, CZ132 |
| • Aluminum Alloys | 2011, 2017, 5056, 5052, 6061, 6082, 6063, 7075 |
| • Special Alloys | Pure Titanium, Titanium Alloy, Monel, Invar, Kovar, Inconel |
| • Plastic | PEEK, PTFE, TELFON, TX-PET, POM |



Quality assurance - Certificates

ISO9001



ISO 13485



AS9100D



IATF16949



ISO 14001

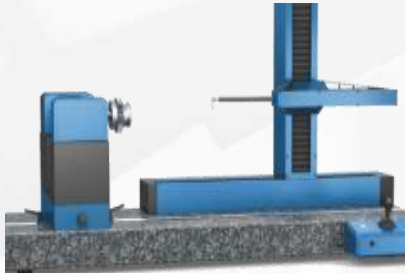




Gage maker



Height Gage



Contour Measurement System



Run out measuring instrument

Main metrology equipment

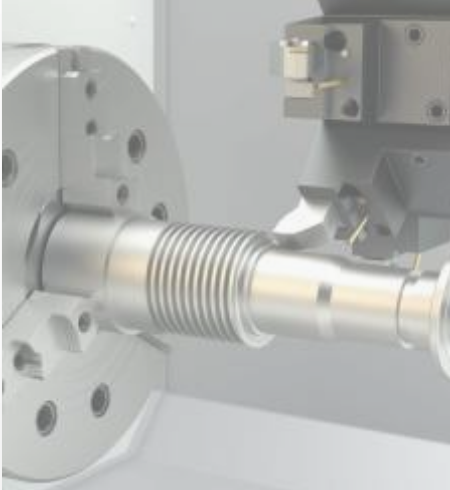
- CMM
- Axis measurement system
- Raw material Spectrum analyzer
- Raw material mechanical properties test
- Imaging measuring instrument
- Contour Measurement System
- Gage maker
- Hardness tester
- Height gauge
- Run out measuring instrument
- Microscope
- Roughness tester
- Vision System



Quality assurance - Quality control



Mature process chain



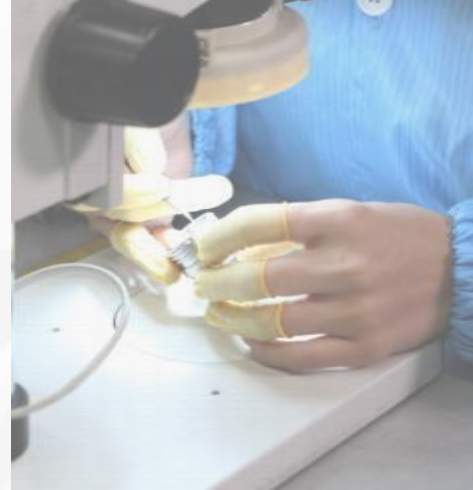
- Various kinds of process in house
- Advanced facility
- Highly experienced and well-trained staff

Standardization



- Standardized manufacturing procedure
- Stable quality assurance
- High efficiency

Resource commitment



- Both high mix low volume and high volume projects available;
- Resource commitment to every single project

Professionalism & Innovation



- Good KPI to provide competitive products & services
- Passion & Commitment in MFG industry

Globalization in progress:

- More development in progress for the plant in Mexico;
- Further Expand the capacity of Vietnam plant ;
- Planned to establish offices in Europe in five years;

Capacity expand under customer development:

Pretty health financial situation, and be willing to invest and keep pace with customers development;



THANKS!