

生瑋企業股份有限公司

SHENG WEI PRECISION CO.,LTD

PROFESSIONAL & ACCURATE

MICRO MACHINING , TURNING & MILLING SERVICE

ABOUT US

- Since 1971 , Sheng Wei Precision has been well-known in the CNC industry worldwide.
- Industry:
 - Medical And Technological Industry
 - Automotive Industry
 - Telecommunication Industry
 - Power Tool & Construction
 - Agricultural
- Energy related
- Others
- ISO Certificate
 - ISO 9001
 - QS9000
 - ISO13485:2016



ACHIEVEMENTS AND CONTRIBUTIONS



Outstanding Performance
Vendor Award 2019
KEIHIN 2024 Aestmo



Quality Improvement
Award 2019 KEIHIN



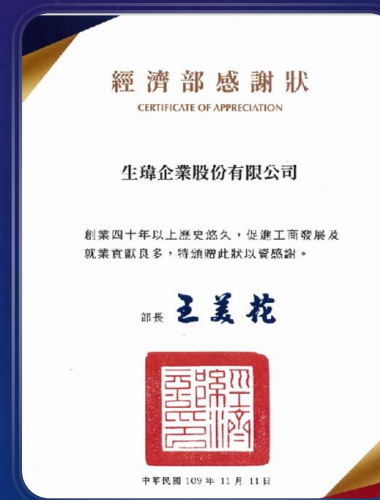
Certificate of
Appreciation from the
Ministry of Economic
Affairs 2020



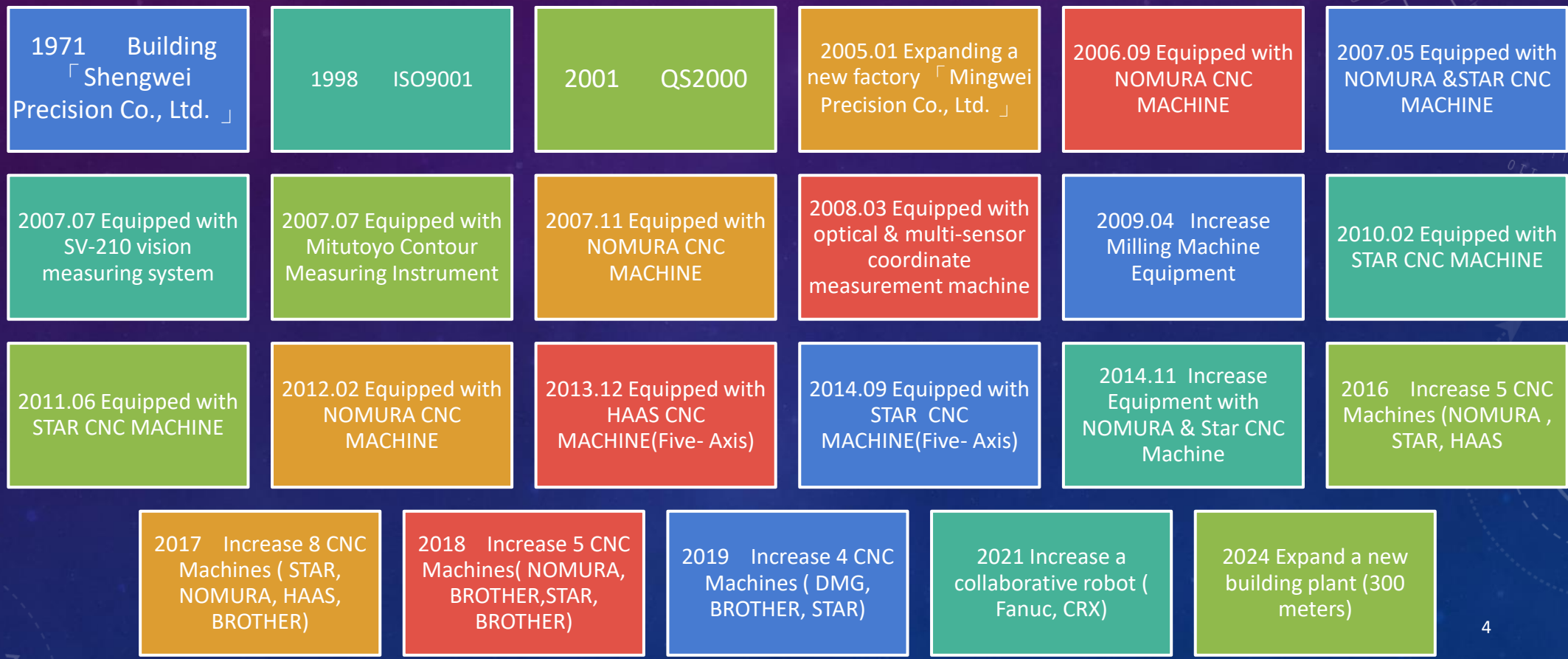
May 6, 2021, the
association had a
Microcinema Premiere.
(the 50TH anniversary
activity)



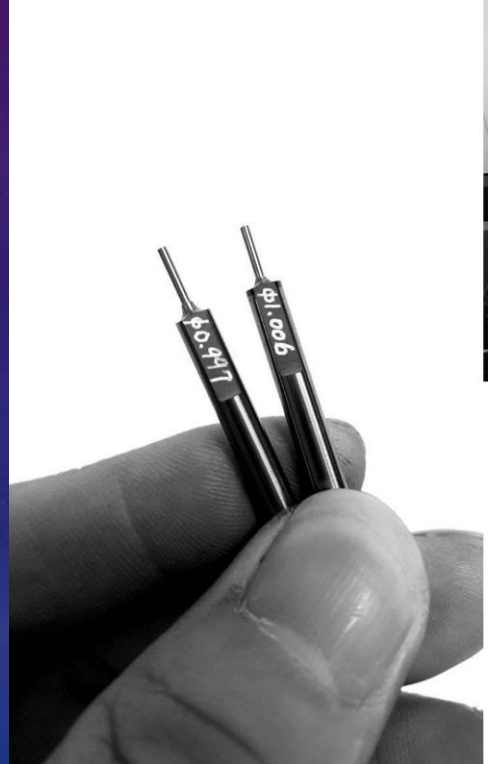
President of the SME
Honorary Association of
New Taipei City (2021)



HISTORY



PRODUCTION & QUALITY



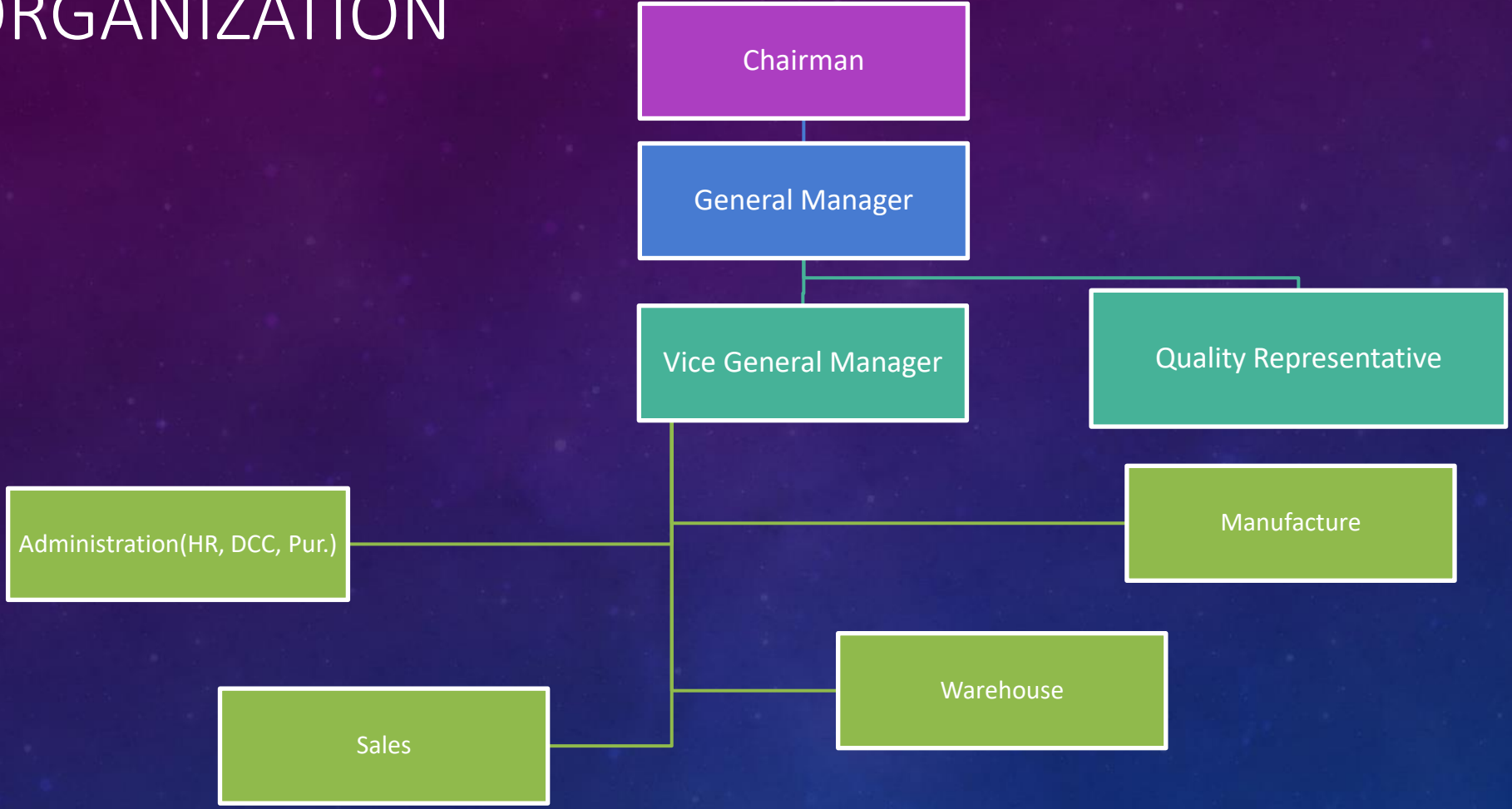
MANUFACTURING FACILITY

Standard Multiple –Machining Capability in One Single CNC automatic machine

- NOMURA
- STAR
- MITSUBISHI
- HAAS
- BROTHER
- DMGMORI NTX1000
- Fanuc CRX



ORGANIZATION



PRODUCT FORMING PROCESSING

- CNC Turning Machining
- CNC Milling Machining
- EDM machining
- Multi – Axis Machining
- Technology Reveal



CNC TURNING MACHINING

- Electronic Component
- Automotive precise components
- Orthopedic Explants
- Engine Parts
- Titanium alloy screw processing
- Cylinder special screws
- CNC Turning Machining part
- Milling Part, Special Nut, SMT equipment parts , Communications component



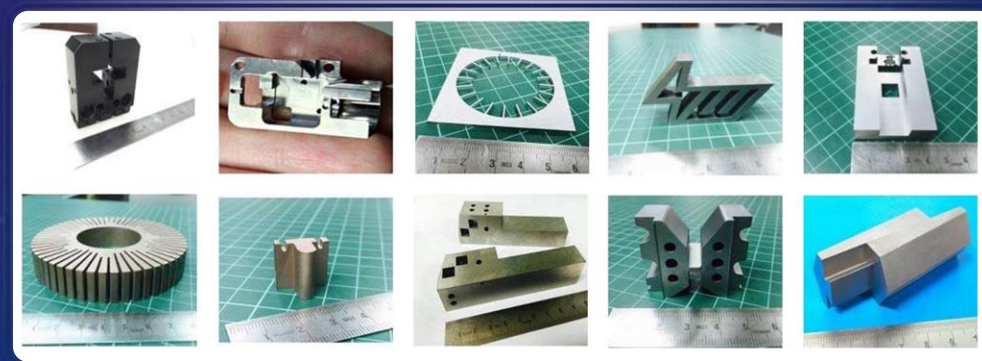
CNC MILLING MACHINING

- Machine parts
- Automation Equipment Parts
- Hydraulic machine component
- Semiconductor equipment components
- CNC milling machining Parts
- Lathe Tool Holder
- Packaging Equipment Parts
- Fastening piece
- Automotive Components
- Mold Machining
- Textile machinery components



ELECTRICAL DISCHARGE MACHINING

- Textile Machinery components
- SMT Equipment Parts
- Agricultural Machinery Parts
- ShengWei Logo
- Fixture
- Machine Gear
- Electrode parts
- Cutting Tool & Tool Apron
- Semiconductor Equipment Parts
- High-precision Fitting



SOPHISTICATED AND ARTISTIC PARTS (THE CAPABILITY TO MAKE SPECIAL COMPONENTS)

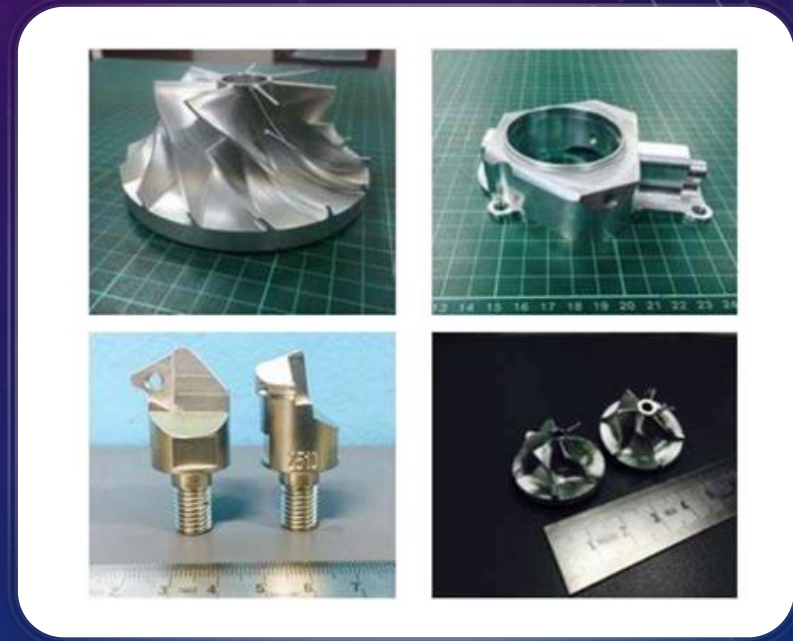
- Probe (CNC Turning Machining)
- Kenzan (CNC Turning Machining)
- Micro Eyelet (Aperture $\phi 0.1$)(CNC Turning Machining)
- Micro Eyelet(Aperture $\phi 0.9$) (CNC Turning Machining)
- Special Tools (CNC Turning Machining)

Micro Eyelet



MULTI-AXIS EQUIPMENT PROCESSING

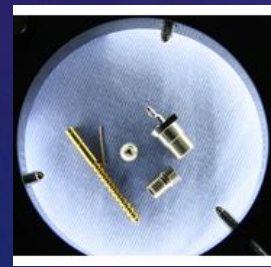
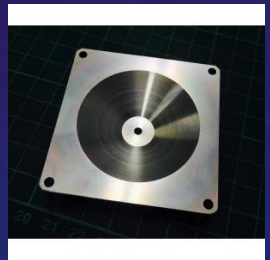
- Paradigm for Five-axis Machining
- Cutting Tools & Boring Bars
- Small Blade



COMPONENTS I

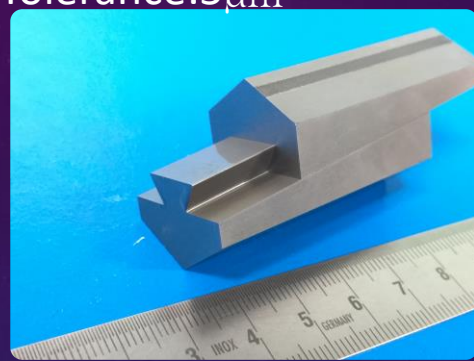


COMPONENTS II



TECHNOLOGY R&D CAPABILITY- COMPONENTS

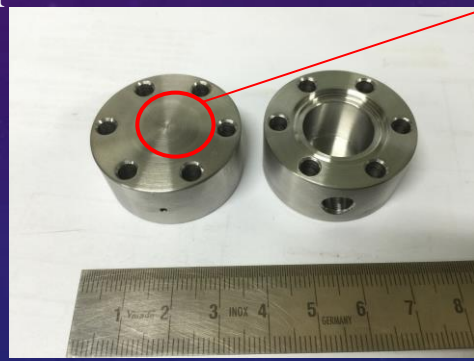
Male & Female Models
Tolerance: 5 μ m



Thine plate processing
Flatness :5 μ m, hole pitch:5 μ m



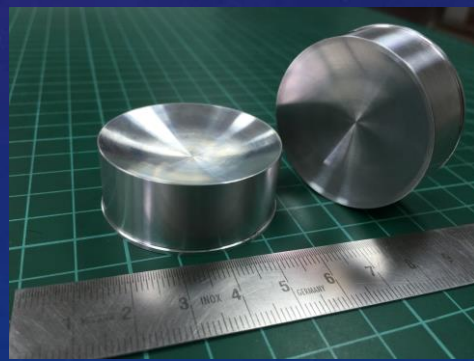
Micro Hole Machining



MICRO HOLE :
 ϕ 0.08mm



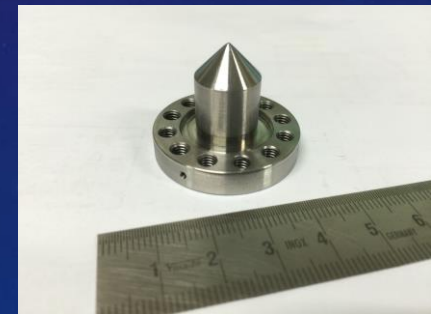
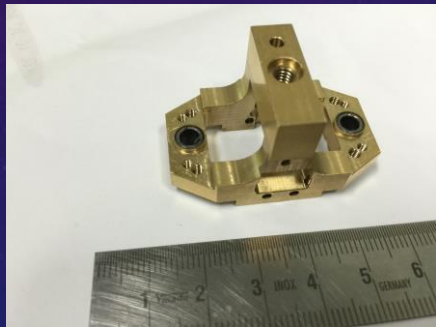
Capability for making special cutting tool



Surface Processing

MULTI-AXIS MACHINING

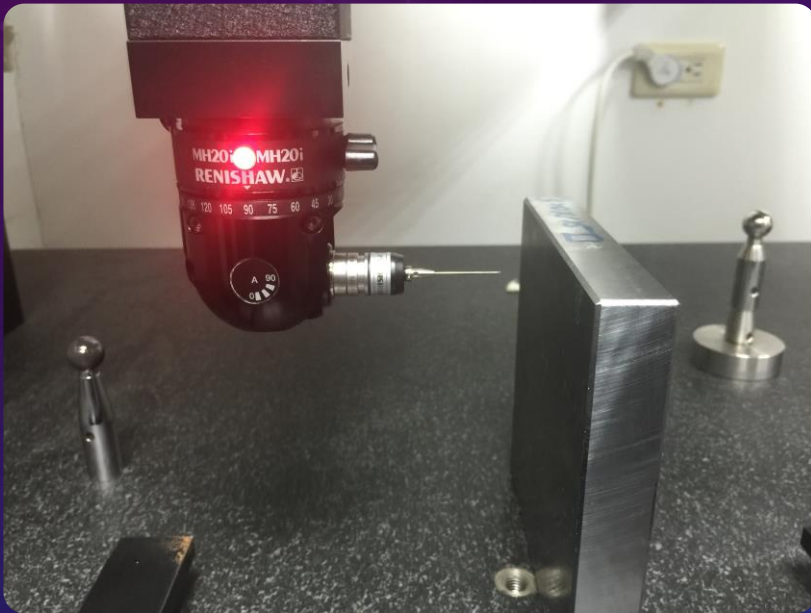
Multi Processing Components





SOPHISTICATED PRECISION COMPONENTS

COORDINATE MEASURING MACHINE



SERVICE

- Production Machining
- Fabrication
- Prototyping
- Sampling
- Low Volume Production & Assembly
- High Volume Production
- Surface Treatment
- Customized quality assurance solutions , OEM , ODM

PRODUCING FACTORY



ACCURACY: WHAT WE CAN DO

- Primary Competitive Advantages
 - Deep hole machining 10 times the drill diameter
 - Micro drilling 0.1mm
 - External thread M1*0.2 pitch
 - Internal thread M0.6*0.15
 - Surface roughness Ra0.2a, Rmax 0.8s, Rz0.8z
 - Tight tolerance for OD, Length & Inner hole meet tolerance
 - Of OD, length & Inner hole 5μ
 - The OD of the material rods/bars 1mm-26mm
 - Complete Inspection department Honing, Milling , Passivation & Heat treating

—	Straightness	0.002mm	⊕	Position	0.01mm
○	Roundness	0.005mm	◎	Concentricity	0.005mm
⊘	Cylindricity	0.005mm	≡	Symmetry	0.005mm
//	Parallelism	0.005mm	↗	Circular runout	0.002mm
⊥	Perpendicularity	0.005mm		Diameter	0.001mm
				Length	0.002mm

Stainless Steel

- SUS303/SUS304/SUS316/316L/SUS416/SUS430
- 17-4PH
- KOVAT
- ST2205
- SUSTOM465

Brass

- C3601/C3602/C3604/C6802
- Phosphor Bronze
- Beryllium
- Aluminum
- A2021/A5056/A6061/A6082/A7075
- High-Nickel Alloys(Nickel Alloy 211)

Titanium & Titanium Alloy

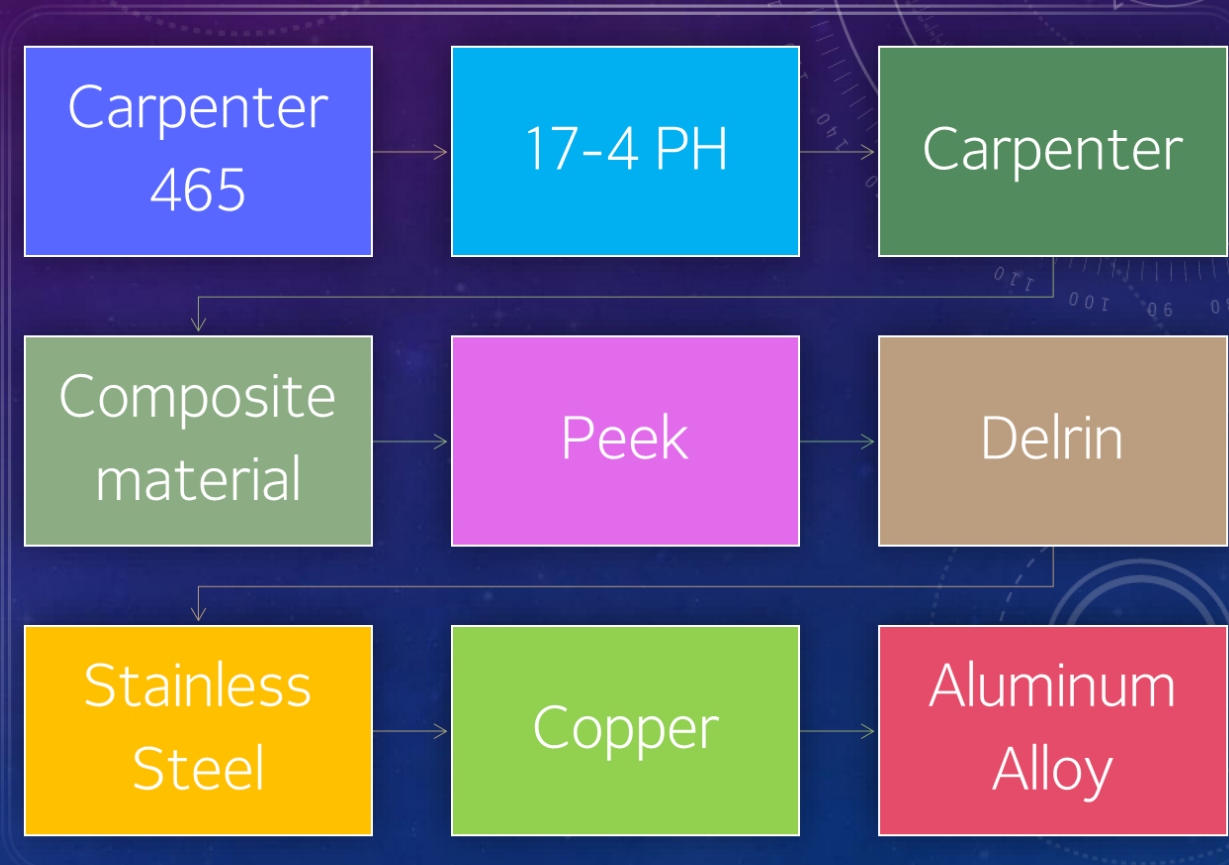
- Middle Carbon Steel:S45C/SAE6150/SK4
- Nickel-Copper Alloys:400
- Bearing Steels:SCM440/SCM415

Peek/Pom/Radel/Derin

- Alloy Tool Steel:SKD11/SKD12
- Structural Steel:SS41

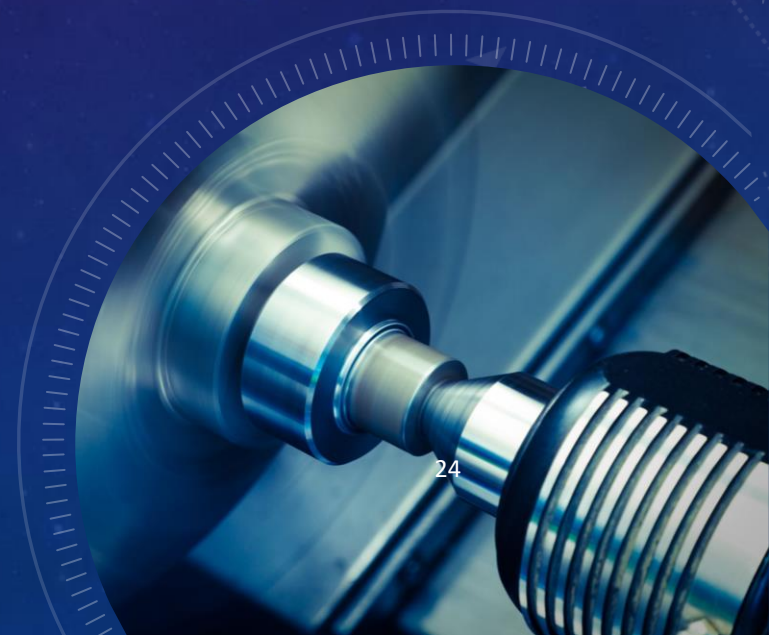
RAW MATERIAL

WHAT WE MACHINING WITH, ALL THE RAW MATERIAL ARE UNIQUE AND ALSO DIFFICULT TO MACHINE.



AUTOMATED CONFIGURATION

- 24 Hours Automatic Configuration
- Robot Arm Production
- Collaborative Production
- Tools Management
- I.O.T System
- Various Machines and Equipment



I.O.T SYSTEM : HOW IT WORK



ENDER USER



INSPECTION EQUIPMENT

Brown & Sharpe

Werth

Baty

Nakazawa
Rockwell Hardness
Tester

Mitutoyo Contour
Measuring
Instrument

Mitutoyo Surface
Roughness Tester

Mitutoyo Optical
Comparator

Nikon Stereoscopic
Zoom Microscopes

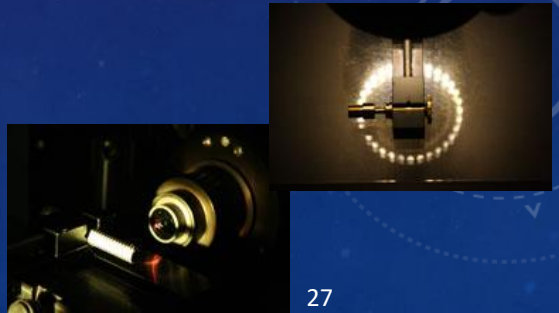
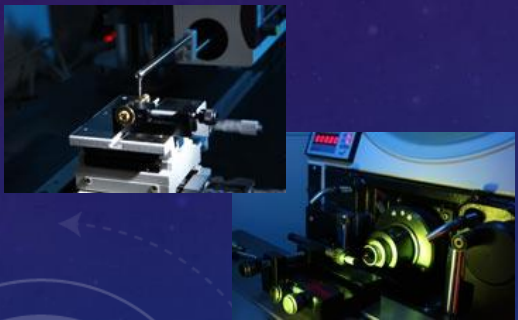
Olympus Zoom
Stereo
Microscopes

Mitutoyo
Toolmakers
Microscope EISEN
Pin Gauge

TESA Electronic
Height Gauge

Universal Punch
Corp. Concentricity

TESA Micrometers,
Calipers/Verniers



CONTACT US

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Made In TAIWAN