Dongguan Senze Precision Hardware Co., Ltd



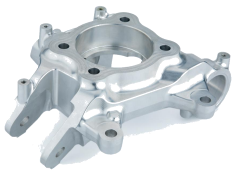












Who we are?



SENZE is located in No.104, 4 Building, Jufeng Derong Industrial Park, Xiaobian Village, ChangAn Town, Dongguan City. It is a custom CNC Machining factory. Our customers marketing is mainly in Europe and America. Senze specialized in high precision 3/4/5 axis CNC processing parts producing with high-end technology. And also we can provide die-casting, 3D printing, plastic mold injection service.

We have rich experienced Project, Engineer, Technical, Business, After sales team. According to your 2D, 3D drawings, we will try our best to work with you and give better and better machining service.

According to ISO 9001 inspection standard, Senze has strictly quality control process, and also has imported CMM(Coordinate Measuring Machine) and VMS(Projector) in order to reach the quality standard of clients. We have good production environment and a group of young competent and dedicated professionals and management teams. SENZE will find the way of Rapid Production and timely delivery for you.



SENZE specialized in high precision 3 4 5 axis CNC Machining parts hand mold OEM with high-end technology.

SENZE-CNC
1. Strict inspection we do during operation
2. Specialized CNC machining engineers
3. On time delivery(10-30days according to order qty)
4. Small order is acceptable and well arranged
5. Competitive price with good quality.

We are good at:
1. 5/4/3 axis CNC machining
2. CNC turning machining.
3. Injection molding, Die cast molding
4. Sheet metal fabricate, laser cutting service.
5. Surface treatment

Equipment we have:
1.Advance CNC lathes machining center
2. DMG 5 axis CNC machining center
3.3/4 axis CNC machining center
4. EDM/WEDM Machines
5.Mold--plastics/steel mold service center
6. VMS+CMM QC test system.

Certification we have:
ISO9001:2015 Quality Management System Certificate.

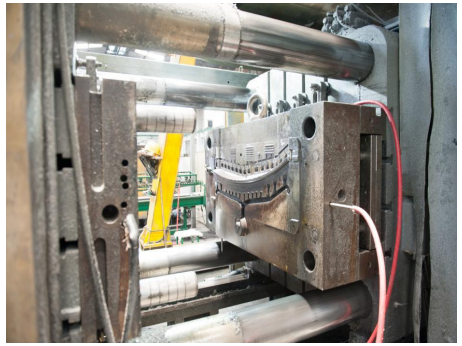
Main Service

Milling



1. Machining square, rectangle, round+rectangle.
2. Used for processing planes, steps, grooves, gear teeth, threads, spline shafts, forming surfaces and cutting off workpieces, also process more complex profiles etc...
3. High efficiency, high precision.
4. It is widely used in machinery manufacturing and repair departments.

Die Casting



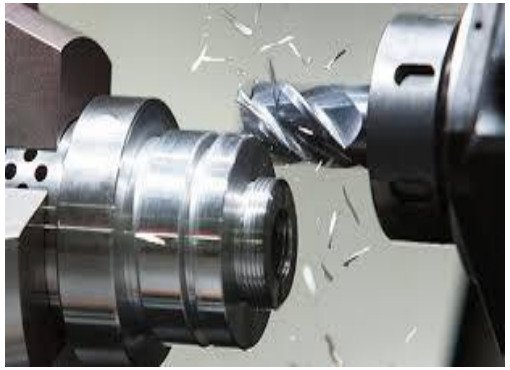
1. Metal casting process, applying high pressure to the molten metal through the cavity of the mold.
2. The cost of mold is high, it is suitable for mass production of a large number of products.

Plastic Injection Molding



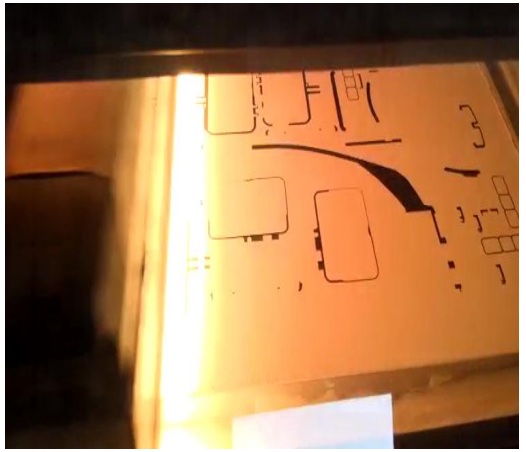
1. Process products with complex shapes, precise dimensions or with inserts.
2. High production efficiency.

Lathe/Turning



1. Machining round parts.
2. Mainly uses a turning tool to turn a rotating workpiece.
3. Used for drills, reamers, reamers, taps, dies and knurling tools.
4. High speed, high precision

3D printing



1. The technology has applications in jewelry, footwear, industrial design, architecture, engineering and construction (AEC), automotive, aerospace, dental and medical industries, education, geographic information systems, civil engineering, guns, and other fields.
2. Main material: photosensitive resin,
Othermaterial: ABS, PC, PE,PU,PP,AS,POM etc

CNC Machining Prototypes
Create Better for Creators



TEN YEARS SENZE TECHNICAL
±0.01MM CNC MILLING/TURNING /RAPID TOOLS
HIGH QUALITY,LOW COST
SHORT LEAD TIME
ONE-STOP SERVICE









To be the best precision machining manufacturer.

OEM MACHINING PASRTS-STAINLESS STEEL PARTS










Material: SUS304, SS316,316L...
Surface Treatment: Standblasting, Plating...

OEM MACHINING PASRTS-ALUMINUM PARTS










Material: AL6061/6063/7075...
Surface Treatment: Anodized, Standblasting...

OEM MACHINING PASRTS-BRASS/COPPER PARTS










Material: BRASS,COPPER...
Surface Treatment: Smooth,Polishing...

Material

Aluminum	AL6061, AL6063, AL661-T5/T6, AL6082, AL6083, AL7075, AL5052, AL5083, AL2011, AL2017, AL2024, A380 etc...
Stainless Steel	SS303, SS304, SS316, SS430, SS440, SS416, SS201, SS301, 17-4 etc...
Steel	12L14, 12L15,4140, 4340, Q235, Q345B, 20#, 45# etc. Carton steel: 1010, 1015, 1020, 1025, 1030, 1035, 1040, 1045 etc... Free cutting steel: 1211, 12L13, 12L14, 1215 etc... Tooling steel: HSS M2, ASP23, H13, 1.234, D2, 1.2379 etc...
Brass	Brass: C11000, C10200, C12000, C26000, C36000, HPb63, HPb62, HPB61, HPB59, H68, H8, H90 etc... Bronze Red copper
Iron	A36, 45#, 1213, 12L14, 1215 etc.
Plastic	PVC, POM, PEEK, ABS, PC, PP, PA6, PA66, Telfon, Delrin, Nylon etc...
Titanium alloy	TC4, TC11, TC21, TA1, TA2, TA9, TA10,
Others	Photosensitive resin (for 3D printing)

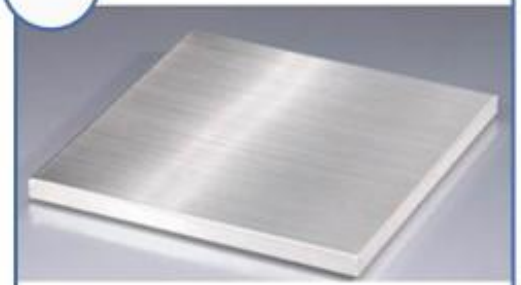
SURFACE TREATMENT

1



Anodizing

2



Brushing

3



Power Coating

4



Laser Engraving

5



Plating

6



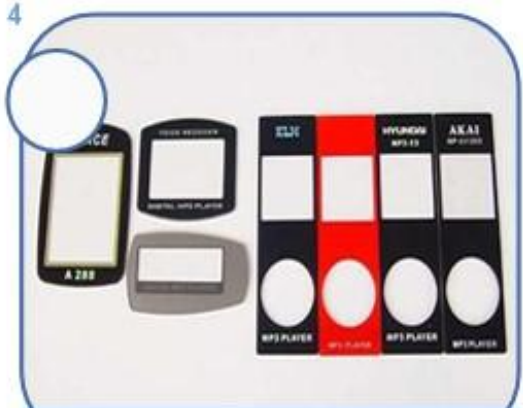
Sandblasting

7



Polishing

4



Silk Printing

Application



Medical instruments



Automation



Aerospace



Semiconductor



Consumer Electronics



Optoelectronics Industry



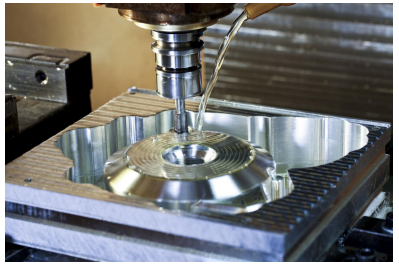
Automobile components

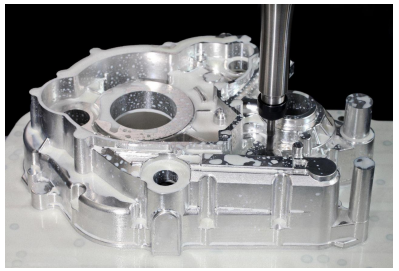


Emerging Energy

Process Data

Type of surface treatment	Function	Thickness (um)	The layer appearance	Suitable material
Anodize	Oxidation resistance, wear resistance and decorative surface	5 ~ 12	White, yellow, black	aluminium alloy
Hard anodizing	Oxidation resistance, wear resistance and decorative surface	25 ~ 35	Grey, black	aluminium alloy
Chemical nickel-plating	Oxidation resistance, wear resistance and decorative surface	3 ~ 42	Yellow light,	Steel, aluminum alloy and copper alloy
Black oxide	Oxidation resistance and decorative surface	0.5 ~ 1	Black, black	Ferrous stainless steel
Passivation	Oxidation resistance and decorative surface	0.05 ~ 0.1	gray	stainless steel
Electropolishing	Surface roughness improvement and surface decoration	2.5 ~ 10	bright white	stainless steel
galvanize	Oxidation resistance, wear resistance and decorative surface	8 ~ 12	According to Customer requirements (white, color)	steel
chromeplate	Oxidation resistance, wear resistance and decorative surface	3 ~ 12	Bright gold, bright white	steel
tri-valent chromate	Corrosion resistant, Rohs compliant	3 ~ 12	Bright silver, blue	steel
xylan	Reduce friction, improve wear resistance, non – stick	20~50	Grey, black	steel
Polane T (S. Williams) Low gloss black finish	Chemical and water resistance, wear resistance, adhesion	3~4	black	Aluminum, steel, plastic







DONGGUAN SENZE PRECISION HARDWARE CO.,LTD

CUSTOM 3D PRINTING

PROTOTYPE SERVICE



10+ Years

ONE-STOP OEM/ODM PROTOTYPE SERVICE FACTORY

TOLERANCEBE ±0.01

QUALITY PROFESSION AL

ON TIME DELIVERY

FAST PROCESSING

PRODUCT DISPLAY

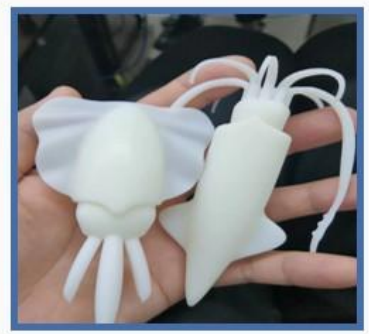
Building Model





Figure Model





Medical Model





TECHNIQUES


SLA


MJF


SLS

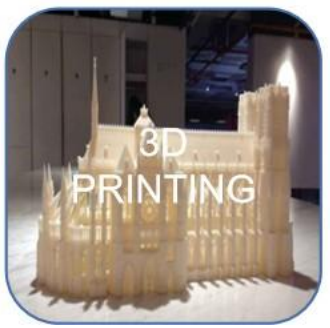

SLM


CNC MACHINING


SHEET FRABRICATE


MOLD INJECTION


DIE CASTING


3D PRINTING

APPLICATION



Industrial Parts



Art Work



Building Model



Car Model



Design Model



Toy



Medical Model

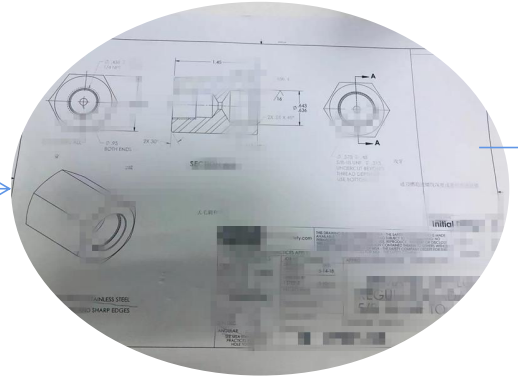


Mould Model

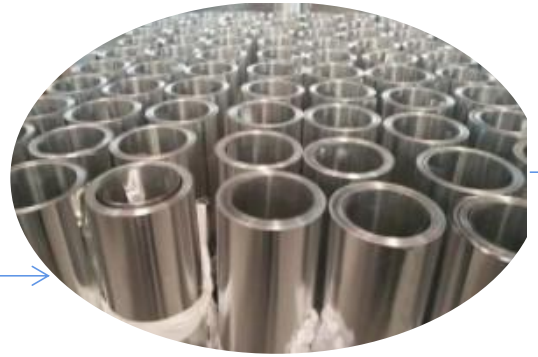
Product Processs



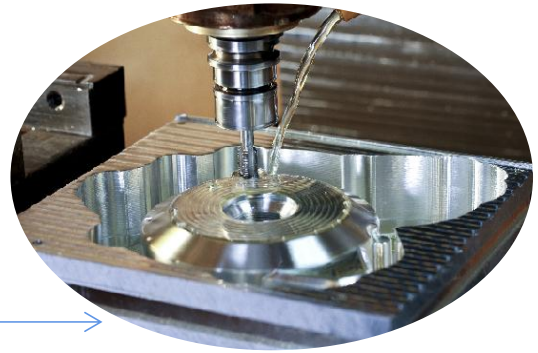
1. Inquiry



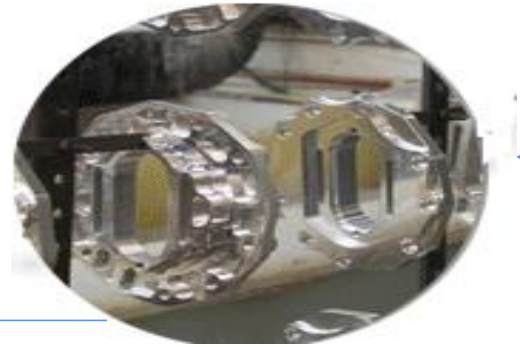
2. 2D/3D Drawing



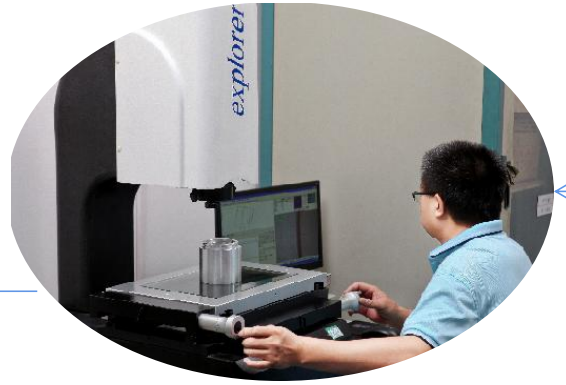
3. Raw Material



4. CNC Machining



5. Surface Finish



6. Quality Control



7. Package



8. Delivery

Precision Machining Capability

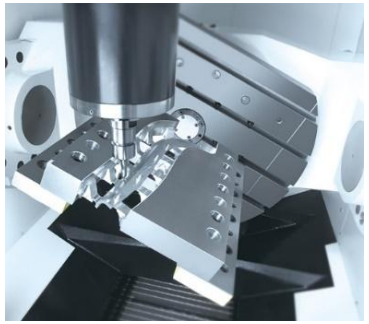
has introduced a large number of high-end precision five-axis, horizontal, turning-milling composite and advanced testing equipment from Germany and Japan; a leading role in the global precision processing industry in term of the product precision machining and processing capabilities.



- **Raw material inspection** ： Material composition analysis, ensure high-quality product materials
- Heat treatment workshop ： Improve the mechanical properties of materials, eliminate residual stress and improve metal machinability, increase material hardness, abrasion resistance, mechanical properties such as strength, ensure product stability and service life
- Processing workshop ： Have the ability to complete the complete process of precision parts processing
- **Test Equipment** ： Ensure product quality meets customer standards
- Assembly workshop ： All parts of the product are assembled strictly according to customer and industry requirements, connect, and carry out precision, stability and life testing, ensure product quality





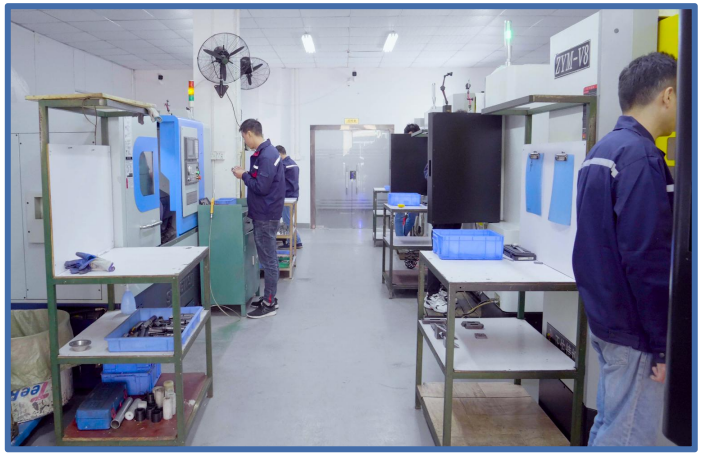




CNC Machining Center- 4/5-Axis

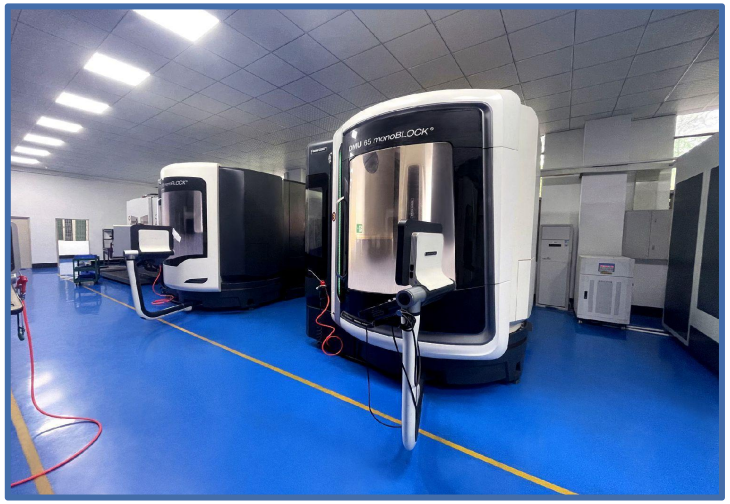












SENZE Precision

Drawing Format:



3D/2D Drawing Format: STP/STEP/IGS/IGES/STL//CAD/PDF



Vernier Caliper



Roughness Tester



Hardness Tester



Run-out Instrument



CMM



Height Gauge



Optical Projector



Micrometer



Salt spray testing machine

3D Printing Machine







- Combined with 3D printing solutions to provide its users with a complete process from design to modification to production Quality control through ward quality system
- Advanced printing technology - SLA and SLS, precision up to 0.01mm, detailed and realistic
- 3D printing, two working days to complete the production, fast and appropriate
- Cooperate with machining center, post-processing surface treatment
- Confidentiality agreement to fully protect original rights
- 3D printing, 3D drawing editing consultation
- Perfect local and overseas shipping

Certificate

OUR CERTIFICATE







Package



1.PE foam



2.Fill space



3.Anti-collision corner



4.Palletized



5.Better protection of products



6.Better protection of products (2)