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DONGGUAN SPP INDUSTRYA CO., LIMITED
DIXIN TECHNOLOGY (GUANGDONG) CO.,LTD

www.sppcncmachining.com



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COMPANY INTRODUCTION

COMPANY PROFILE

- Founded in 1994
- Headquartered in Dongguan City, Guangdong Province, China
- There are over 700 employees, with engineering and technical personnel making up more than 70%
- Established divisions for precision machining, advanced materials manufacturing, mold and tool manufacturing, and precision assembly
- Certified under ISO9001, ISO13485, ISO14001, AS9100D quality and environmental management systems
- Has applied for a total of 488 patents, with 297 granted



“

Our Vision:

To invigorate the global manufacturing industry through our work.

”



CULTURE AND VALUES

- Quality assurance and performance
- Continuous innovation
- Consistency and reliability
- Excellent partnerships
- Customer satisfaction
- Solving complex problems
- Unmatched professionalism
- Employee-centered environment



DEVELOPMENT HISTORY AND PLANNING



1994

SPP INDUSTRY was established.

1998

Factories opened in Chongqing and Foshan.

2001

Mold and tool manufacturing department was established.

2005

SPP INDUSTRY moved to a new address.

2008

German office was established.

2011

Factory opened in Chengdu.

2014

Factory opened in Dalian.

2015

Offices established in Thailand and the Philippines.

2017

Malaysian office and sheet metal factory were established.

2019

Suzhou factory was established.

2021

Factory started in Qingdao.

2022

Russian office was established.

LOCATIONS	Headquarters in Dongguan	Chongqing	Chengdu	Dalian	Suzhou	Qingdao	Overseas factories	Total scale
SCALE	340000	15500	11500	16400	8500	12000	13000	110900

PRODUCT DEVELOPMENT HISTORY

Over nearly 30 years of development, SPP INDUSTRY has gradually formed four major industrial pillars:

Precision machining



New material manufacturing



Mold and tool manufacturing



Equipment assembly

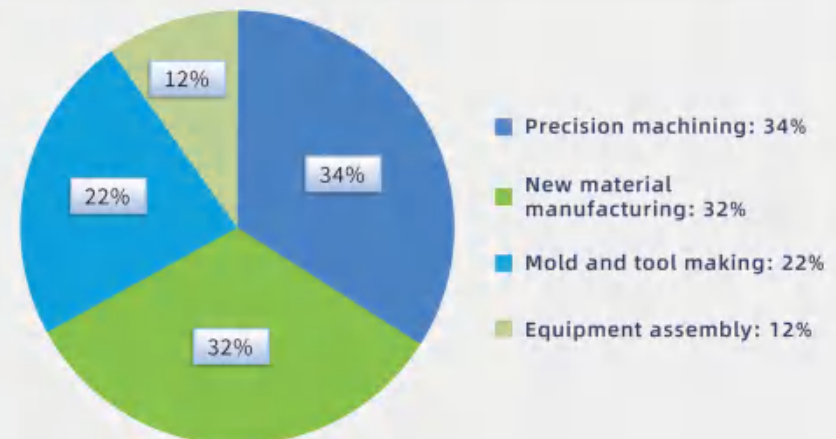


SALES AND DISTRIBUTION



■ 2021 sales:

\$ 86,050,000



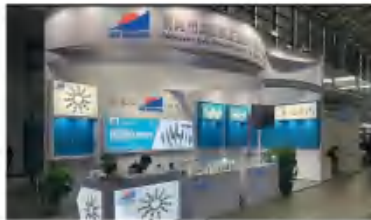
BUSINESS GROWTH



INTERNATIONAL PERSPECTIVE

In order to expand its international horizons, SPP INDUSTRY not only established a branch in Germany, but also actively participated in different exhibitions around the world.

Including: Germany, the United States, the United Kingdom, Japan, Singapore, Thailand, Vietnam, France, etc.



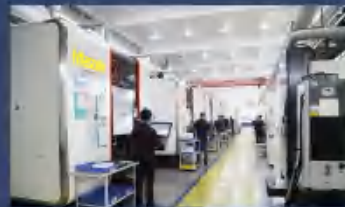
HARDWARE FACILITIES



DONGGUAN HEADQUARTERS

High precision
High complexity
Performance critical

SPP INDUSTRY is a leading global manufacturer of high-precision, high-complexity and performance-critical components for a wide range of end-use applications.



Turn your ideas into reality

State-of-the-art equipment combined with experienced engineers. Therefore, we shape your workpiece 1:1 according to the instructions in the drawing!

Material selection: steel, carbide, ceramic, aluminum, plastic, copper, gemstone, titanium, stainless steel, cast iron, special steel or nickel-based alloy

- 3/4/5 axis CNC machining
- Turning and milling
- Grinding
- Spark machine and wire cutting
- Heat treatment
- Deep hole drilling and gun drilling
- Surface treatment
- Cleaning, quality control and measurement



SHEET METAL PROCESSING

Modern and efficient sheet metal processing from start to finish - all from one source!

We support you in the design and manufacture of sheet metal parts and welded assemblies as individual or series parts.

- CNC laser cutting/CNC punching/laser cutting and welding
- Bending/forming technology
- Welding, riveting, gluing and riveting technology
- Laser engraving



PRECISION ASSEMBLY

In our headquarters factory in Dongguan, we customize suitable non-standardized equipment, hydraulic equipment, reducers and other machines for customers.

We use an integrated quality control system from machining to assembly, performance testing and painting to provide our customers with the best solutions.



DALIAN FACTORY

In our factory in Dalian, we are mainly engaged in parts manufacturing services for large-scale CNC machining, forgings and castings.



Large and precise:

To machine large workpieces with the highest precision, you need not only the right modern technology, but above all a lot of experience and expertise. We have them.

- Vertical CNC turning and large parts processing
- CNC gantry milling machining center
- Large-scale turning and milling compound machining center/roller lathe
- Large grinding machine/large crankshaft grinding machine
- Forged parts and cast parts
- Customization of welded structural parts



SUZHOU FACTORY

In our factory in Suzhou, we are mainly engaged in the manufacturing of gears, splines and transmission components.

We cover various manufacturing process technologies for external gears, internal gears and splines for the production of toothed components.

The manufacture of high-quality gears and keyways is part of our service portfolio - keeping your gears turning.

- Gear hobbing/gear milling/gear shaving/gear grinding technology
- Heat treatment/nitriding furnace
- Precision grinding/spline grinding/worm gear grinding machine tools
- Keyway/Broaching machine
- CNC turning and milling
- Gear measuring instrument/meshing instrument



REPRESENTATIVE PRODUCTS

We also design, repair and manufacture gearboxes at our Suzhou factory.

We have over 20 years of experience in manufacturing OEM and ODM gearboxes and components for the wind, hydro, oil and gas, mining, nuclear, precision engineering and other industries.



CHENGDU FACTORY

In our factory in Chengdu, we are mainly engaged in precision grinding and honing CNC machining services.

The Art of Grinding - Precision Determines

Versatile facilities and technical expertise to meet the most diverse customer needs.
Tolerances up to 0.0005.

Material selection:

steel, carbide, ceramic, aluminum, copper, gemstone, titanium, stainless steel, cast iron, special steel or high-temperature alloy



Universal CNC grinding machine
STUDER
Five-axis CNC grinding
MAZAK

- CNC internal cylindrical grinding/external cylindrical grinding/surface grinding
- Surface grinding
- Non-circular grinding/eccentric grinding and crankshaft grinding
- Ultra-fine grinding/profiling grinding
- Mirror reflection
- Honing and CNC Honing
- CNC universal grinding and tool grinding

CNC honing Hardings



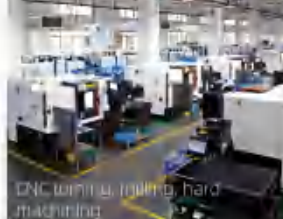
CNC grinding machine
EUBENBERGER



Vertical grinding machine
KOP



Three-axis
coordinate measuring



CNC turning, milling, hard
machining

TYPICAL PRODUCTS



Precision grinding in one plant. We have extensive experience in CNC grinding processes and system assembly in machine tool, hydraulic, automotive, military, sheet metal, plastics and medical applications.



In the constant temperature and humidity spindle assembly store and tool magazine assembly center, we complete the process of measuring, testing and assembling the spindle.

Advantage:

- Experience in development and customization
- Modern factory
- Long-term cooperation; up to 10 years of strategic cooperation with major manufacturers in the machine tool industry
- After-sales service: a professional team of engineers provides local solutions, commissioning and spindle service worldwide.



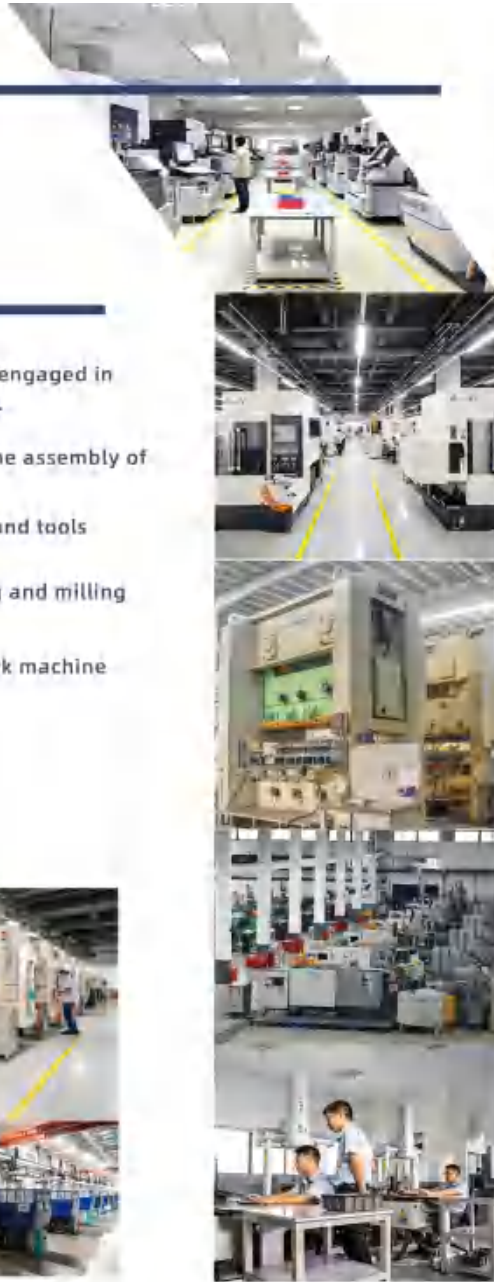
QINGDAO FACTORY

In our Qingdao factory, we are mainly engaged in mold and tool manufacturing business.

From the production of mold parts to the assembly of the mold - all from a single source.

Manufacture mold accessories, molds and tools according to customer drawings.

- High speed milling/CNC hard turning and milling
- 5-axis CNC machining center
- Electric spark machine and wire spark machine technology
- Stamping mold
- Injection mold
- Die casting mold
- Hot runner system/blow mold



TYPICAL PRODUCTS STAMPING COMPONENTS



We are the world's leading manufacturer of molds and tools. Ready-to-install replacement parts are available for each mold.

We have extensive experience in manufacturing molds for daily packaging, metal forming, metallurgy, medicine, cosmetics, automotive, semiconductor and other fields.

Dedicated technical engineers carry out the design and commissioning of molds through to large-scale production in a controlled ISO 9001 production facility.

QUALITY ASSURANCE

To ensure that our production consistently maintains high quality standards, we use specialized methods of measurement and testing.

Confidence is good, control is better.



Gear measuring instrument



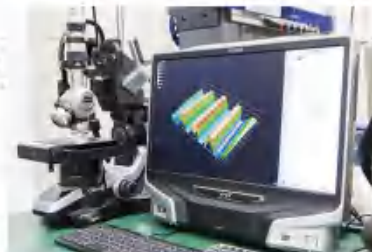
Contour gauge



Gear testing machine



Roundness tester



Projector



Measuring device for
cams and crankshafts

Measurements on a CNC machine ensure 100% quality and full traceability, allowing your parts to reach final assembly quickly and without errors.



Hardness Tester



Coordinate Measuring Machine
(CMM)

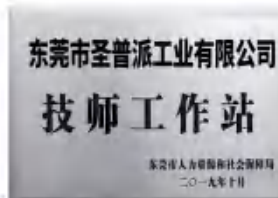
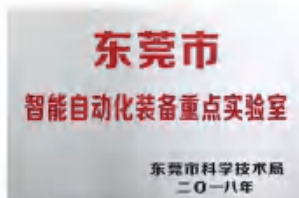
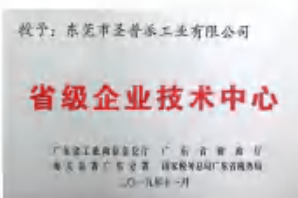
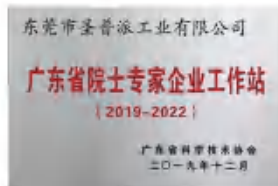
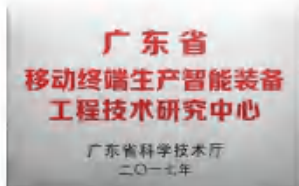
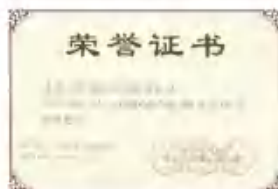
Each of our production sites has several modern, high-precision 3D measuring machines, some of which have large travel paths. They are housed in temperature-controlled, air-conditioned measuring rooms to maintain constant

Measurement processes are defined and implemented in close coordination with quality requirements and customer needs. Measurement protocols form the basis for achieving consistently high quality.

- Process control
- Measurement techniques (magnifying glass, profilometer, three-dimensional coordinate measuring device)
- Surface testing/material identification
- X-ray examination, dye penetrant testing, pressure testing
- High-pressure and ultrasonic cleaning



HONORS AND QUALIFICATIONS





MOUNTING SOLUTIONS

High-quality base components for hydraulic systems - comprehensive supply

Valves manufactured by SPP INDUSTRY are widely used in construction machinery, mobile vehicles, ships, wind energy, marine equipment, metallurgy, oil, mechanical engineering, rubber and plastic equipment, etc. Most of our products are OEM produced according to customer drawings or can be manufactured to the standards of well-known companies.

HYDRAULIC COMPONENT

High-quality hydraulic base components - comprehensive supply

Products:

Regulating and control valves, check valves, directional valves, pressure relief valves, dosing valves, pressure maintenance systems, ABS valves, non-return valves, throttle valves, bypass valves, manifold valves, proportional valves, logic valves, solenoid ball valves, solenoid spool valves, and many more.

Non-return valve



Bypass valve



Solenoid-operated directional valve



Solenoid proportional valves



HYDRAULIC SYSTEM PARTS

Product examples:

Valve spool, valve sleeve, valve block, oil collector block, road oil, valve stem, valve seat, valve needle, valve ball, plunger, pump gear, spline shaft, shaft core, gear, gear shaft, forged housing, cast parts, and more.

Example of final applications:

Construction machinery:
Excavators, cranes, trucks

Agricultural machinery:
Harvesters, cotton pickers

Industrial equipment:
Injection molding machines, woodworking machines

Sanitation equipment:
Garbage trucks, snowplows

SPEED REDUCER



SPP INDUSTRY has 20 years of experience in the development, production, and servicing of reducers, motors, and transmissions.

The company has numerous partnerships with the world's top 500 companies and a global sales network for its products.

We possess high-precision and comprehensive technical equipment for gear processing, box processing, heat treatment, and physical-chemical testing and experimental equipment.

Our production chain includes OEM services for the manufacture of transmission components, as well as the design and development of custom reducers. These range from miniature reducers with a power output of 0.12 kW to powerful heavy-duty reducers with a power output of 10,000 kW, all of which can be manufactured according to customer requirements.

In the metallurgical industry, we have held the top position in the domestic market for many years, providing clients with comprehensive power transmission solutions of superior quality.

HYDRAULIC JACK

In the assembly workshop of SPP INDUSTRY engineering teams specialize in the development and production of high-performance hydraulic cylinders for a wide range of applications in construction machinery, agricultural machinery, construction equipment, oil and gas, marine equipment, wind turbines, plastic injection molding equipment, and more.



We have an advanced digital hydraulic testing platform for 100% testing of hydraulic cylinders. All stages of processing, assembly, and testing of parts are carried out in full compliance with ISO 9001 standards to ensure product quality.



Custom Hydraulic Cylinder Manufacturing Process

Stage 1

At SPP INDUSTRY clients typically approach us with a specification outlining their requirements.



Stage 2

At this stage, SPP INDUSTRY can provide quotes for the necessary work and create a 3D model of the component using our CAD system.



Stage 3

Now, clients have the option to use the CAD models in their products, allowing for the components to be tested for functionality and recommending any necessary modifications. This can help avoid some issues with final assembly operations.



Stage 4

The client can now choose to proceed with a prototype or directly initiate production. In any case, a technical drawing is created in the final stage before the component is sent into production.



Final Stage

After a streamlined production process, the components undergo thorough testing for suitability. They are then painted, if required, and promptly delivered as part of the finished batch.



MOTORIZED SPINDLE



Spindle Accessories

SPP INDUSTRY, your most reliable partner in technical manufacturing.

We specialize in research and development, design, manufacturing, assembly, and sales of various spindles to meet the unique needs of our clients. SPP INDUSTRY not only pays special attention to quality and service efficiency but also ensures excellent after-sales service and quality control so that clients do not have to worry during the production process. We promise to promptly resolve technical issues and help you achieve your production goals.

SPP INDUSTRY provides a full range of spindle solutions. Regardless of your needs, we can provide you with a custom-made spindle.

Our professional team pays attention to every detail to ensure excellent spindle performance. Additionally, we offer high-quality after-sales service to resolve technical issues and help you achieve seamless production operations.



We Provide Custom OEM and ODM Solutions for Clients

We understand that each client's needs are unique, so we are pleased to tailor our technologies and capabilities to meet your specific requirements. Whether you need custom spindles or other technical manufacturing services, we are here to assist you. Partner with us to enhance your products and achieve success in the highly competitive world of technological manufacturing!

We Provide Clients with Solutions for Precision Spindle Component Machining

Our high-precision machining division can complete the development and production of electric spindle components, ensuring spindle accuracy and concentricity with high-precision grinding machines. Typical products include ISO and DIN standard spindles, spindle protective sleeves, housings, castings, forgings, and more.



OEM Equipment

Thanks to our advanced team of technical engineers, we offer OEM equipment tailored to meet clients' requirements. Our expertise spans mechanical design, spindle design, gearbox design, hydraulic component design, programming, system development, precision assembly, and more. Our products are widely used in various industries, including industrial, agricultural, medical, automotive, consumer goods manufacturing, automation, electrical engineering, semiconductors, and other fields.

Our team of engineers around the world can communicate and exchange custom equipment requirements in accordance with your language preferences. Our global offices provide clients with on-site testing, debugging, maintenance, and other services.

Automation



Dispenser



Laser Welding Machine



Laminator



Assembly Equipment

Automatic Production Line



Automatic Assembly Line



Testing Lines



Packaging Line

CNC Machines



CNC Machining Center



CNC Milling Machine



CNC Grinding Machines

Robotic Arm



OEM Robotic Arm



OEM Robotics