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

[www.sppcncmachining.com](http://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

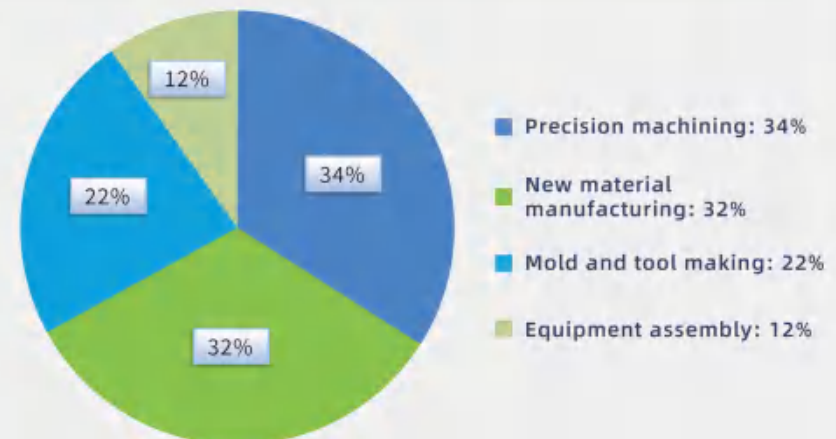


## SALES AND DISTRIBUTION



■ 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.



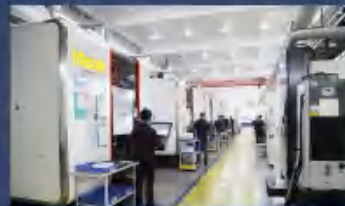
## HARDWARE FACILITIES



## 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 machine  
WAZEM

- 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



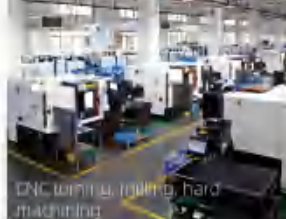
CNC grinding machine  
KELLERBERGER



Vertical grinding machine  
KOLY



Three-axis coordinate measuring



CNC honing, grinding, hard machining

## TYPICAL PRODUCTS



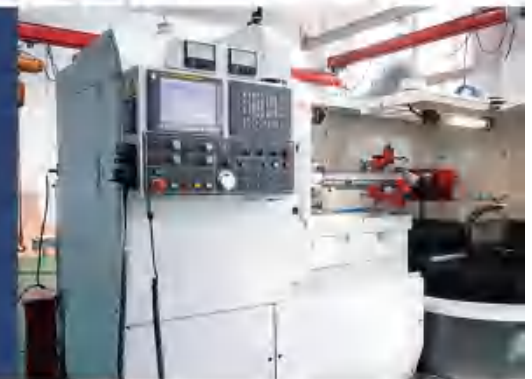
Precision grinding in one plant. We have extensive experience in CNC grinding processes and system assembly in machine tool, hydraulic, automotive, military, sheet metal, plastics and medical applications.



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



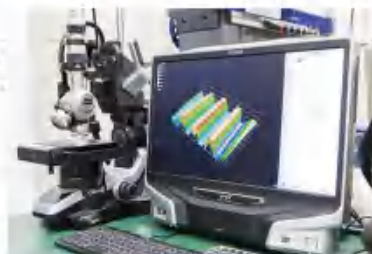
Contour gauge



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)

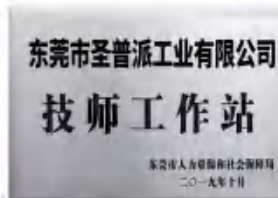
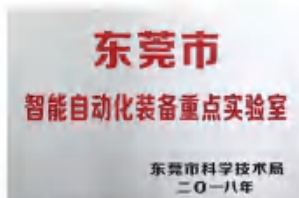
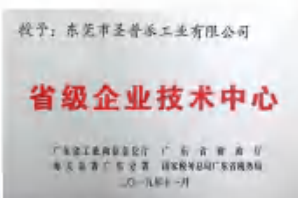
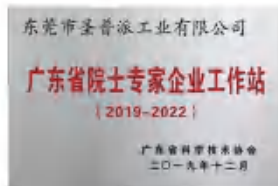
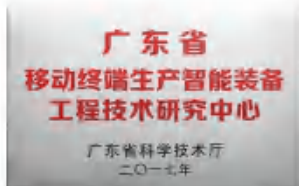
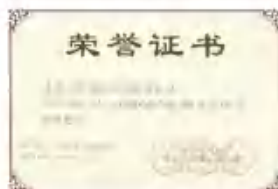
Each of our production sites has several modern, high-precision 3D measuring machines, some of which have large travel paths. They are housed in temperature-controlled, air-conditioned measuring rooms to maintain constant

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



## MOLD AND TOOLING SOLUTIONS

At SPP INDUSTRY, we are passionate about providing our customers with the highest quality mold solutions. We offer a comprehensive range of services, from initial product design to full-scale production, all under one roof. Our experienced team of engineers and technicians is dedicated to meeting your specific needs and ensuring that your project is a success.



At SPP INDUSTRY, we understand the critical role of quality in various industries, from pharmaceuticals and medical devices to consumer packaging and automotive components. That's why we are committed to providing our customers with the highest quality mold solutions that meet the most stringent requirements.

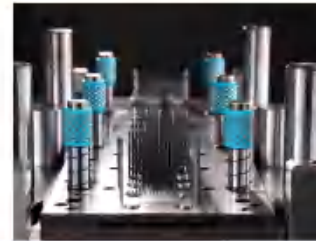


## MOLDS AND ACCESSORIES

### Stamping Molds and Mold Accessories

#### Products:

Connector molds, terminal molds, semiconductor molds, encapsulation molds, plastic encapsulation molds, lead frame molds, automotive molds, lamp molds, acoustic molds, optical molds

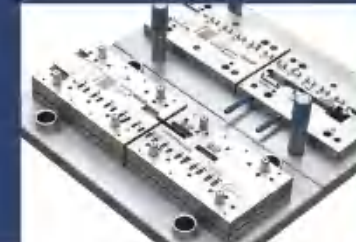


#### Replacement Parts:

Punches, dies, inserts, cores, die holders, guide pillars, guide bushings, and more, according to customer drawings

#### Material Selection:

1.2379/1.3343/ASP23/ASP60/Tungsten carbide/SKD11/M2/1.2343/H13/SUJ2/45# and more

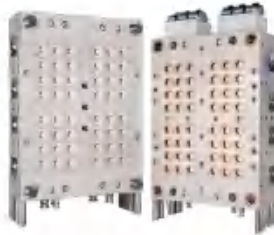




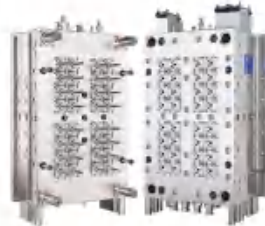
# INJECTION MOLDING, BLOW MOLDING DIES, MOLD ACCESSORIES

## Products:

**Medical Molds:** Molds for medical catheters, injection heads, test tubes, thin-walled deep-drawn parts, pipettes, writing instruments, syringes, etc.



**Optical Molds:** Molds for automotive lamps, reflector molds, injection molds for auto parts



**Packaging Molds for Cosmetic and Household Products:** Molds for deodorants, lip balms and lipsticks, PET caps and preforms, pump molds, etc.

## Replacement (Parts):



Custom manufacturing of cores, inserts, pins, hot runners, nuts, cavities, molds, etc., according to drawings.

**Material Selection:**  
1.2343/H13, 1.2379,  
1.3343, ASP23,  
Tungsten carbide,  
ASP60, M42, etc.

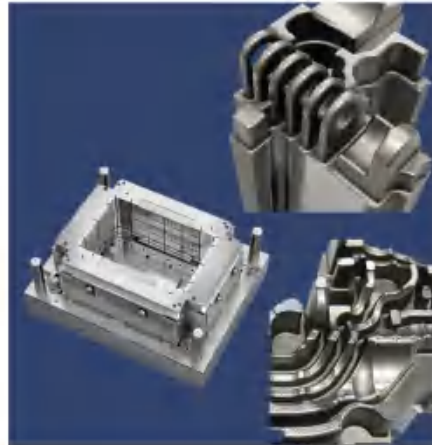


## INJECTION MOLDING DIES AND MOLD ACCESSORIES

### Products:

Connector Molds, Terminal Molds  
Semiconductor Molds,  
Encapsulation Molds, Plastic  
Encapsulation Molds, Lead Frame  
Molds

Automotive Molds: Molds for  
cylinder blocks, cylinder heads,  
radiators, and valve bodies,  
casting accessories

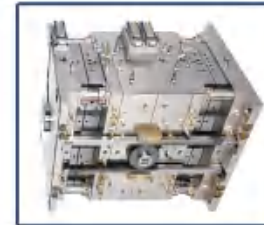


Tungsten steel punches, concave  
molds, rods, inserts, hot runner  
systems, mold rods, mold frames,  
guide posts, and guide bushings  
according to drawings.

### Material

1.2343/H13, 1.2379, 1.3343,  
ASP23, Tungsten carbide, ASP60,

## OPTICAL AND ACOUSTIC MOLDS



### Products:

Optical Molds: Molds for automotive lamps, reflectors, prisms, lenses, and  
eyeglasses

Acoustic Molds: Molds for headphones



### Replacement (parts):

Custom-made tungsten steel punches, concave dies, tungsten carbide die nuts, tungsten steel die cores, die holders, guide posts, and guide bushings, etc., according to the drawings



### Material selection:

1.2343/H13/1.2379/1.3343/ASP23/tungsten carbide/ASP60/M42, etc.

## MOLD BASE

### Products:

Injection mold base, stamping mold base, precision mold base, die casting mold base, optical automotive lighting mold base, hot runner system mold base



### Material selection:

1.2343/H13/1.2379/1.3343/ASP  
23/M42, etc.

# INJECTION MOLDING AND BLOW MOLDING PARTS



Analytical and laboratory materials

SPP INDUSTRY manufactures molds and molding components for medical and analytical disposable products – syringes, dispensers, clamps, bushings, housings, as well as Luer locks and wipeable valves.



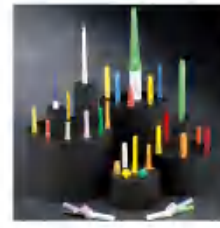
Test tubes and reaction tubes

SPP INDUSTRY produces molds and mold components for testing disposable products, including test tubes, oral sets, sample cups, reaction tubes, and centrifuge tubes.



Medical, personal care, and hygiene

SPP INDUSTRY has many years of experience in deep drawing thin-walled parts, creating high-cavitation and high-speed molds.



Medical Luer locks, covers, and tips

SPP INDUSTRY has been manufacturing molds and components for this market for over 20 years. Single-cavity development molds are available for 192-cavity tools, producing high-quality parts worldwide.



Deodorants, lip balms, and cosmetic tubes

Using our patented cold stamping method or state-of-the-art EDM equipment, SPP INDUSTRY ensures quality and performance in this demanding market.



Clamps, connectors, ports, and sockets

SPP INDUSTRY has extensive experience in creating molds and components for this key market segment, which is dominated by hard-to-machine resins.



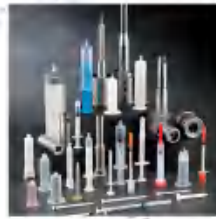
Pipettes

SPP INDUSTRY offers precision tools ranging from micropipettes to molds for 10 ml pipettes. We have solutions for all your dosing needs!



Writing instruments

SPP INDUSTRY supplies injection molds and tools for all well-known brands in the stationery industry using unique cold casting technology.



Syringes

For over 25 years, SPP INDUSTRY has been supplying tools and components for syringes to the industry. Blood collectors, dispensers, and syringes.



Cannulae and tilt tools

From the beginning, SPP INDUSTRY has been a global leader in the production of components for the conduit and tilt tool market.



Ammunition, bullets, tools, and cartridges

We ensure quality and performance in markets where tolerances are critical – from amateur to military applications.



PET preforms and caps

We serve small clients who do not yet have multimillion-piece requirements and can deliver high-quality products in small batches and custom colors on time.

## STAMPING



We provide services for the production of high-precision stamped parts and stamping dies for the automotive, aerospace, semiconductor industries, terminals, connectors, precision engineering, automation equipment, electronics, and other fields.



## DIE CASTING

We provide high-precision molds and castings for automobiles, engines, compressors, batteries, construction and agricultural machinery, industrial transport, railway trains, and other areas.

