

Dongguan Precision Technology Enterprise Limited

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A Professional Company Dedicated to Precision Machining and Manufacturing

Provide precision machinery manufacturing process solutions, complete manufacturing work in its own factory, from product drawings to production process design, until the completion of manufacturing and service enterprises;

Continuously innovate and improve mechanical manufacturing technology and process, provide customers with personalised technical services, produce products that meet their needs, and meet the final needs of customers.

Company Profile

- The company was established in 2005, with independent technical knowledge, production process, quality control and management system;
- Dongguan production base was established in January 2012 with a registered capital of 20 million yuan and a plant area of 6,000 square meters.
- The company has a fixed and strong executive team, with more than 100 employees and more than 30% of employees with more than 15 years of employment;
- The company has invested more than 100 million yuan in production equipment, with more than 100 sets of precision processing equipment at home and abroad, equipped with high-precision testing instruments to ensure the accuracy and quality of machining;
- The customers served include a few internationally renowned manufacturers of machinery, and maintain long-term cooperative relations。

Core Member



Philip Chen

Chairman

Graduated from the Department of Mechanical Engineering of Huaqiao University in 1988, majoring in mechanism. He has been engaged in precision parts manufacturing and processing, mold manufacturing and maintenance, injection molding process design and management for more than 30 years, and has been a consultant for Goodbaby, Doret & Uppababy injection molding and abrasives for more than 15 years



Wiliiam Yao

General Manager

Graduated from Guangdong University of Technology in 1997
He previously worked at Mattel, Evenflo
He has been engaged in the precision parts, mold and injection molding industry for more than 25 years, with rich design, manufacturing, analysis and project promotion capabilities

Manager Team Member



Benny Xie

Manager of Engineering Department

Graduated from Guangdong University of Technology in 1998
He has been engaged in mold design, manufacturing and injection molding for a long time at Mattel and Evenflo, has rich knowledge and practical experience in various molds, parts processing, and plastic molding.



Alan Yang

Manager of Production Department

He worked in Zhuzhou Diamond Knife Factory and has sufficient knowledge of various types of knives
He has been engaged in parts processing and production management for a long time, has a good understanding of the production process and process, and has rich knowledge and experience in the manufacturing industry.



Sam Zuo

Manager of Quality Controlling

He has been engaged in manufacturing quality management for more than ten years, responsible for quality control and management.
Passed the ISO9001 internal auditor and IATF 16949 system training
He has rich theoretical and practical experience through total quality management system training,.

At the beginning of its establishment, Dongguan base set up an inter-departmental R&D team, with eight personnel, accounting for 14.5% of the total number of fixed employees, covering mechanical engineering, mold manufacturing, production automation, injection molding and other professional fields.

Processing Equipment and Testing Instruments

Precision processing equipment at home and abroad

- Citizen City turning-milling compound machine tools
- Miyano single-turret turning-milling composite machine
- Nakamura left a double-spindle double-turret turning-milling composite machine tool
- Taiwan unintentional grinder
- Taiwan Yuqing surface grinder
- TOYODA CNC internal and external cylindrical grinding machines
- Brother 5-axis machining center
- OKUMA Machining Center
- Multiple internal and external cylindrical grinders/honing/grinding/thread rolling machines

High-precision testing instruments

- Zeiss coordinate measuring machine
- Mitutoyo Laser diameter gauge
- Circle degree
- Two-dimensional projector
- Altimeter
- Multiple 0.5um class aerodynamic meters
- Hardness gauge
- Leak detector

Production Products

Plastic Mold Manufacturing	Precision Parts Processing	Injection Molding of Plastic Parts
• Professional evaluation of mold structure in the early stage • Mold design, manufacturing, verification • Mold after-sales service	• Precision machining mainly for small and medium-sized parts • Produce parts with a variety of complex processing processes and multi-material combinations • The processing accuracy can reach less than 1μ	• Special cannon barrel, plastic plasticization temperature can reach more than 400°C • Custom screws for most engineering plastics containing high fibers • Professional mold maintenance can ensure on-time delivery to customers

Service Products

Product Design and Development

- Product development and design according to customer requirements
- In the process of customer product development, we provide professional processing experience and conduct verification

Turnkey Project

- According to customer requirements, provide package solutions
- The complete set of equipment is designed, manufactured, assembled, verified and delivered

Product Assembly

- Specialized product assembly line, work instructions, online testing
- Assembled in part or in its entirety

Product Samples (A)

Turning and Milling Composite Precision Parts















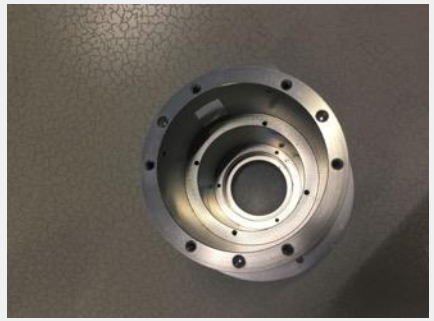
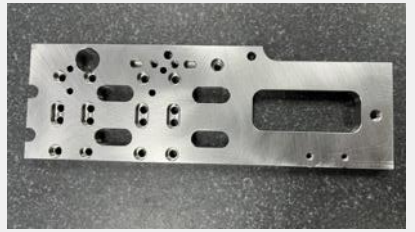

Product Samples (B)

Machining Centre Precision Parts












Product Samples (C)

Injection Molded Parts

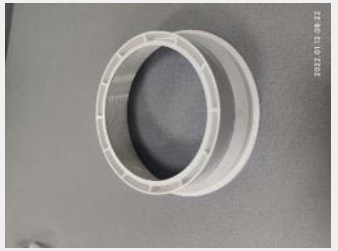




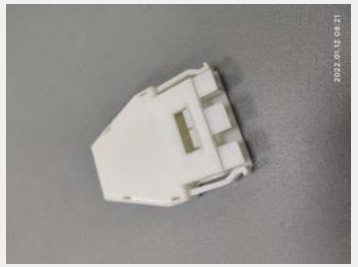




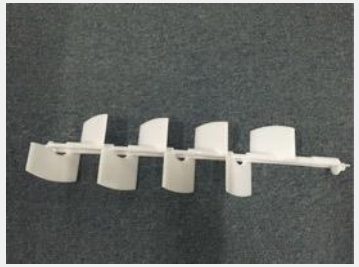






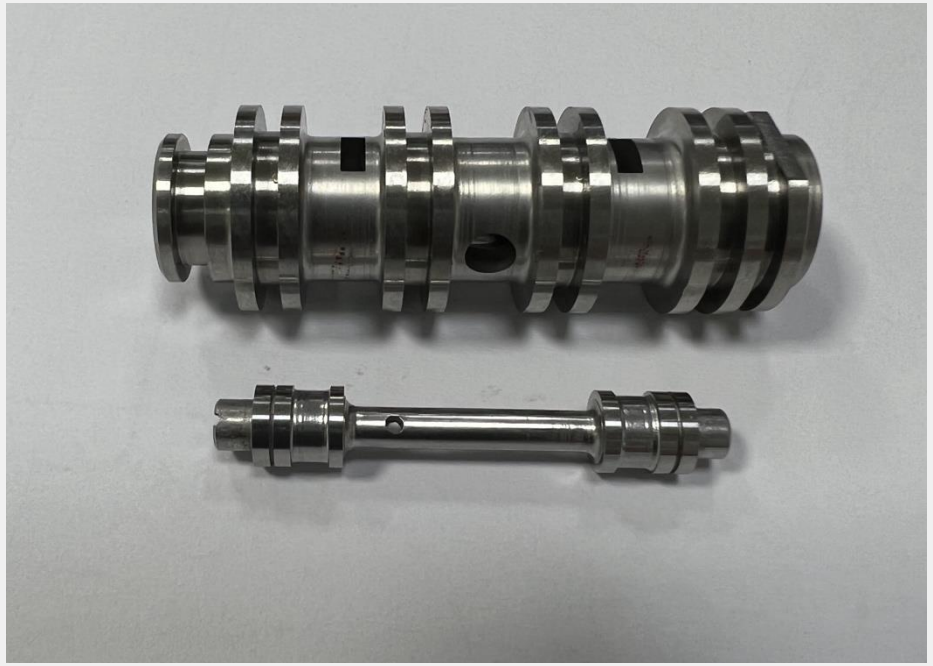






Product Samples (D)





Aircraft Parts
Shaft outer warp/socket inner diameter: cylindricality 0.0005mm
Fit tolerance: 0.003~0.005mm

Product Samples (E)



Inner/Outer circle tolerance:
+/- 0.0015mm



Part fit tolerance: +/- 0.0015mm

Product Samples (F)

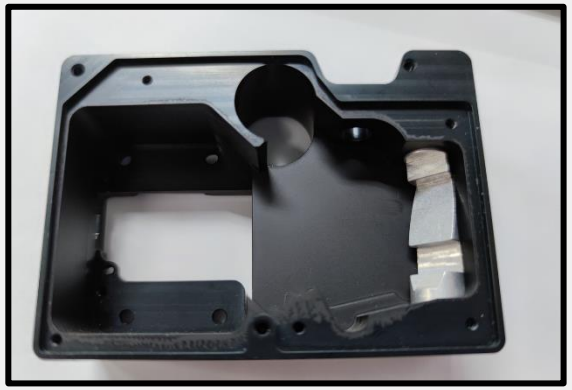


High Shape and Position Tolerance Requirements Parts



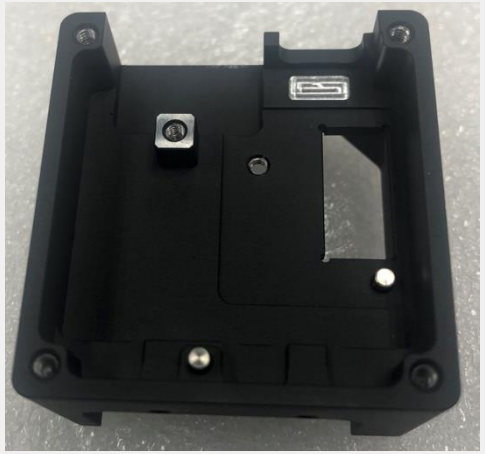
Lathe Processing Parts

Product Samples (G)

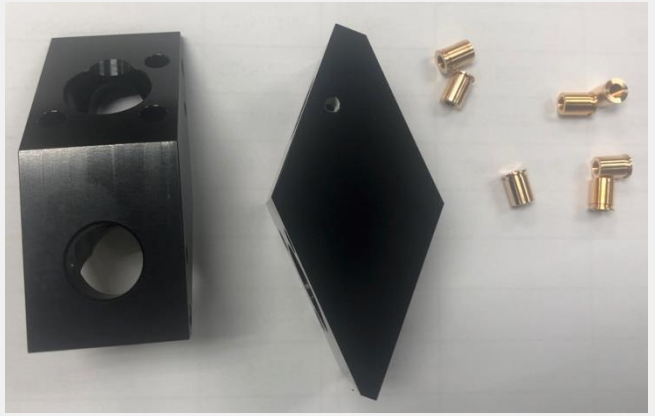








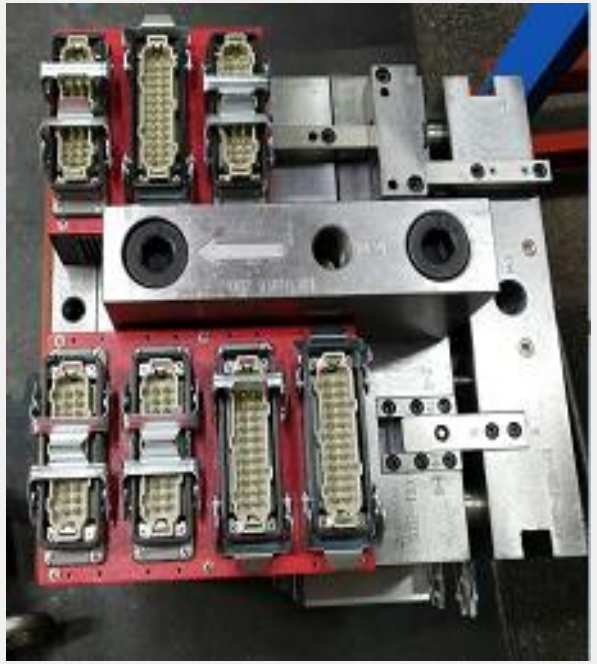




CNC Machining Center Parts

Product Samples (H)







Precision Molds / Overlapping Molds

Product Samples (I)











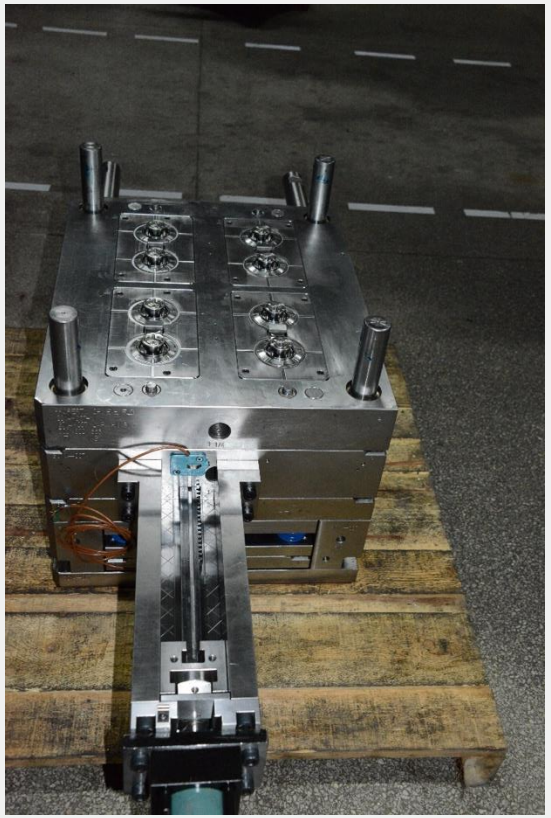


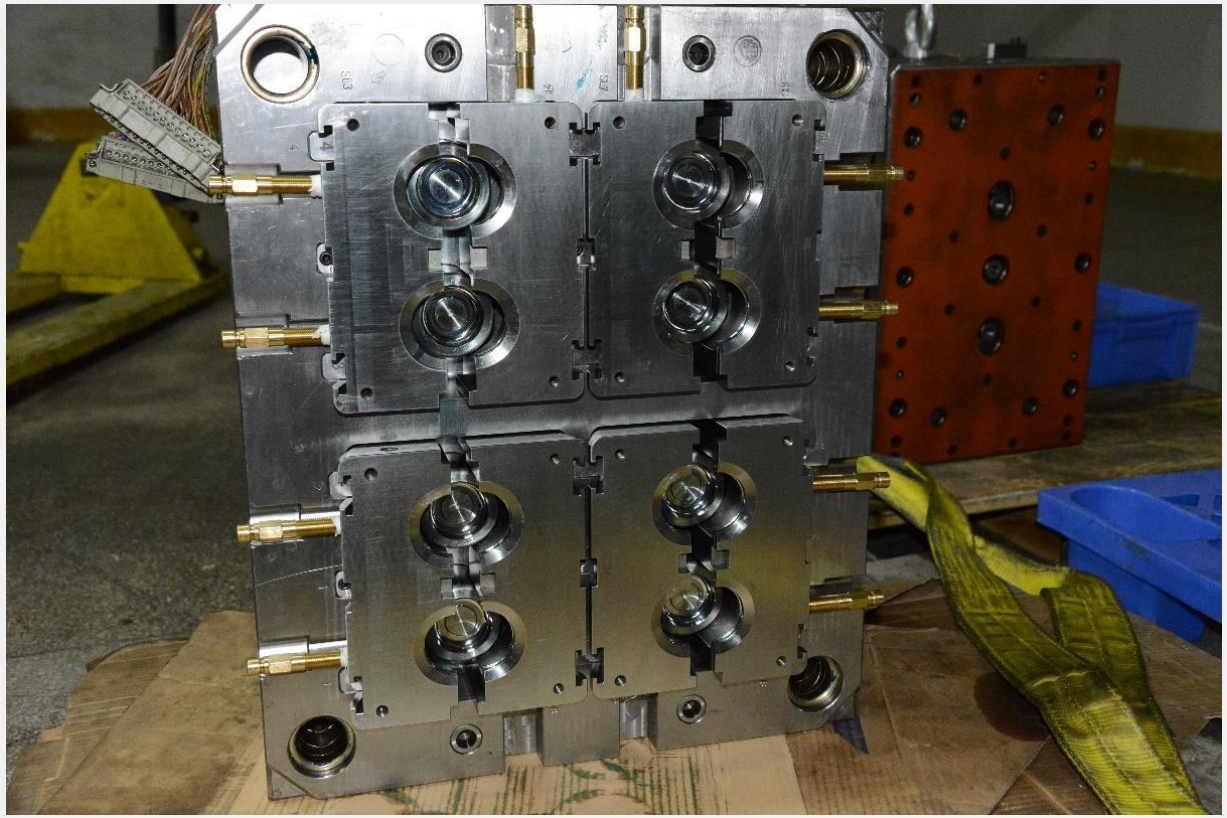




Precision Mold / Two-color Mold

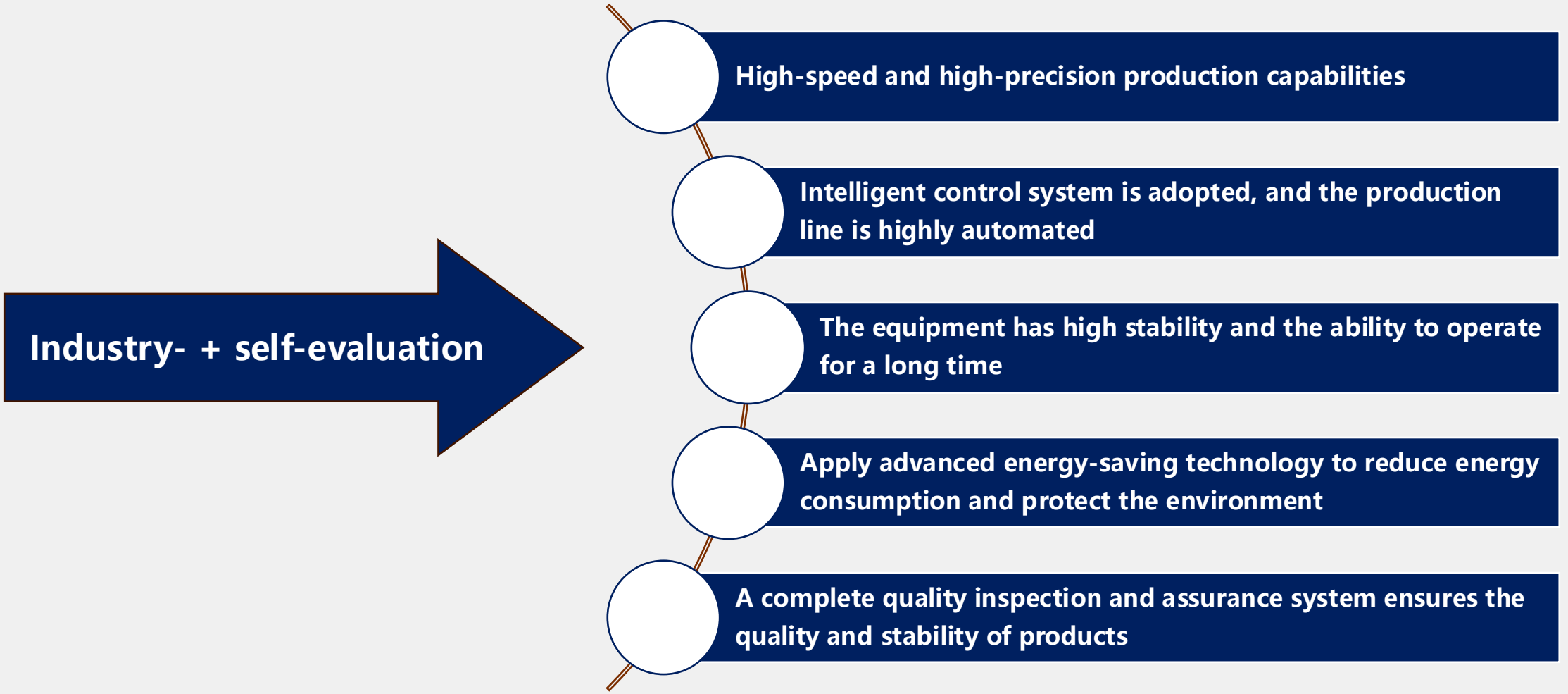
Product Samples (J)





Precision Molds

Production Capacity and Quality Control



Systematic Production Equipment

Precision Parts Processing Workshop



CNC machining center



CNC machining center



CNC core running machine
(Turning-milling compound)



CNC tool machine
(Twin spindles, twin turrets)



A corner of
the grinder

Production Equipment (A)

Precision Parts Processing Workshop



Toyoda Inner and Outer Cylindrical Grinder



Precision grinder
(Flatness up to 0.001mm)



Automated cylindrical grinder



Deburring machine



Precision honing machine

Production Equipment (B)

Injection Molding and Mold Making Workshops



Injection molding machine with a plasticizing temperature that can reach more than 400℃



EDM

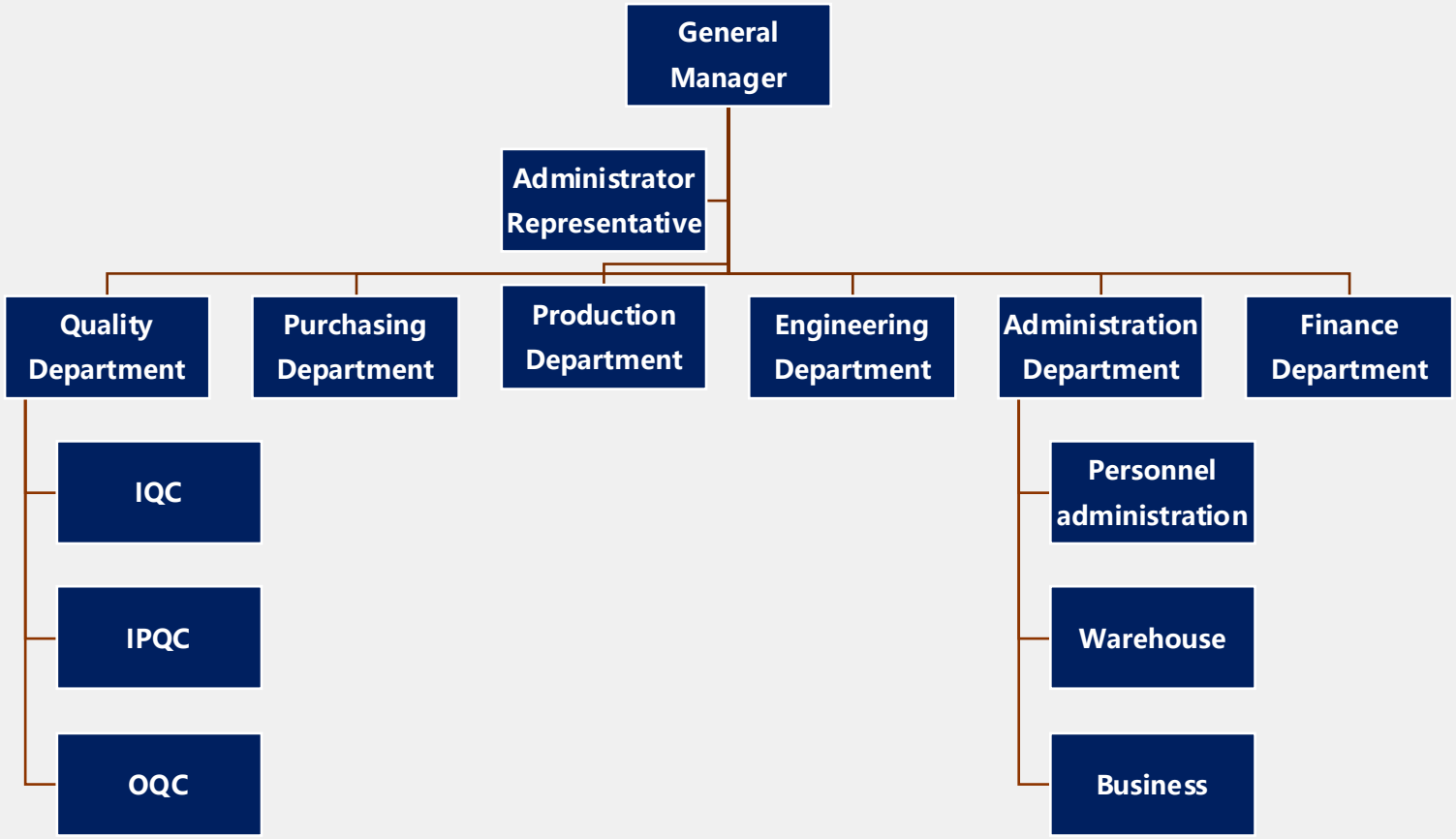


Grinder



Milling machine

Perfect Quality Management System




深圳市环通认证中心有限公司

质量管理体系认证证书

编号：UKQ2212001R3

兹证明

东莞精本精密五金有限公司

（统一社会信用代码：91441900588314309X）

（地址：广东省东莞市凤岗镇碧湖路 22 号 4 栋 101 室）

质量管理体系符合标准：

ISO9001:2015

质量管理体系覆盖范围：

一般五金零配件的加工及服务

发证日期：2022-12-02

证书有效期至：2025-12-01

初始获证日期：2013-12-27

（本证书有效期内每年需进行监督审核，证书是否继续有效以是否加贴监督合格标志为准。）

机构印章：

签发（主任）：

ISO9001 Quality Management System Certification & a Supporting Company Management Structure

Strict Quality Control System

- Throughout the whole process of incoming materials→ process→ finished product testing, full participation, continuous improvement, to ensure 100% product quality to customers
- Measuring equipment: It has a variety of precision measuring equipment such as Zeiss CMM, Sanfeng roundness, XXX class aerodynamic meter, Sanfeng laser diameter gauge, etc.
- Advanced quality control methods: FMEA, PPAP, Cpk
- It has a complete training program, and is regularly trained and assessed for surveyors



Strict Quality Control System

Testing Equipment



Mitutoyo roundness meter



μ-class aerodynamic gauge



Zeiss three-dimensional

Strict Quality Control System

Testing Equipment



Mitutoyo altimeter


Mitutoyo laser diameter gauge

(Resolution: 0.01μm)


Magnifier

(200x magnification)


Pneumatic gauge

(40,000 times magnification, XXX level)


Steel Composition Analyzer

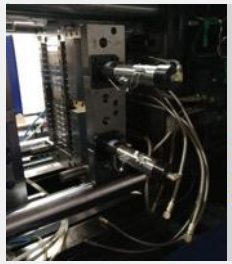
Success Stories

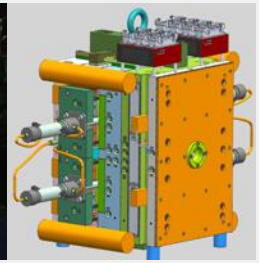


Parts processing: complex parts

- This product requires hardware processing metal sleeve (inner hole tolerance <=0.003mm), overlapping injection molding and post-machining (ensuring roundness and coaxiality), ultrasonic welding, and air tightness testing
- Before shipment, 100% inspection, scrap rate < 0.1%

The customer received 100% qualified products





Mold design and manufacturing: ballpoint pen parts mold

- Customer requirements (32 holes in one mold, each hole is controlled by a separate hot nozzle and the inner mold can be interchangeable, which is convenient for maintenance and maintenance)
- Design for traditional injection molding machine and successfully complete the production of molds

The actual use condition is good, up to 10 seconds a production cycle, exceeding customer requirements



Equipment customization: pin stamping equipment

- Customer requirements (need to be positioned, do not touch the surface of the product, ensure the depth of the pin, maintain the verticality of the pin and the product, easy operation to ensure safety)
- Design a special fixture, select the suitable small punch machine, and verify it successfully at one time

After customer use, the product scrap rate is zero

After-sales Service



The company aims to produce 100% qualified products, provide customers with complete technical support, and correspond to after-sales service content according to specific projects;

- 24 hours to respond to customer complaints about product quality and service to maintain customer satisfaction;
- Responsible for product after-sales maintenance, including installation, commissioning, user guidance and maintenance;
- Provide technical support and train customers on product use to ensure that customers can use the product correctly.

PRECISION

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