

# Equipment Overview

- + die casting
- + Stamping/Turning
- + Polishing/Grinding/Sandblasting
- + PVD
- + CNC
- + MIN
- + plating



# Die casting equipment

Overview of the die-casting factory area



**Magnesium, aluminum, and zinc alloy die casting (with vacuum equipment)**

# CNC machining center

A general view of the CNC machining center factory area.



# Stamping and turning

Overview of the stamping and machining plant area



# MIM workshop

Overview of the MIM workshop and factory area  
(featuring the first continuous push-plate oxalic acid degreasing and sintering furnace in China)



Degreasing furnace + vacuum sintering integrated system: Daily production capacity of **50,000** units, monthly production capacity of **over 1,400,000 PCS.**

The continuous furnace is **28 meters** long and **5 meters** wide. It is the first of its kind in the domestic MIM industry. It features fully automated operation, **runs 24/7** without interruption, resulting in improved efficiency and stable product structure.

# Polishing, grinding, and sandblasting

An overview of the polishing, grinding, and sandblasting plant area.



Surface  
grinding



Manual  
polishing



Sandblasting  
machine

# PVD workshop

An overview of the PVD manufacturing facility.



# Manufacturing Process Core Products

- + Production process
- + Product display



# Strong manufacturing capabilities

5+

30+

50+

Special Advisor Technicians with over  
20 years of  
experience

Senior  
Engineer



## raw materials

Strict control over raw materials  
Ample raw material reserves

## Stamping/Die Casting

Fully equipped facilities,  
precise dimensions  
Complex molding  
capabilities, flexible design

## Injection molding

Fast molding process, high  
degree of automation  
Stable quality, good  
interchangeability

## CNC machining center

100% equipped with 4-axis  
capabilities  
10%+ equipped with 5-axis  
capabilities  
Single-pass molding  
Ensuring the appearance and  
precision of complex products

## Turning and milling combined

Comprehensive packaging  
solutions for 3C products,  
automotive parts, and electronic  
accessories.

## 100% inspection before shipment

High yield rate  
Exquisite craftsmanship  
Guaranteed delivery



## Surface Treatment (Anodizing & Electroplating & PVD)

Over 30 years of technological  
expertise and experience  
A designated surface treatment  
factory for renowned 3C companies

## (Sandblasting)

Capable of processing products  
with complex shapes and  
handling various types of  
materials.

## (Cleaning)

The manufacturing processes  
are closely integrated,  
allowing for collaborative  
optimization with subsequent  
processes to meet customer  
quality requirements.



## polishing

A strong technical team  
and consumables R&D  
Providing different production  
solutions for different products  
Customized automation solutions

# Precision metal and plastic surface treatment services



Metallic appearance  
PVD (Physical Vapor  
Deposition)



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Deposition)



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Metallic appearance  
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Deposition)

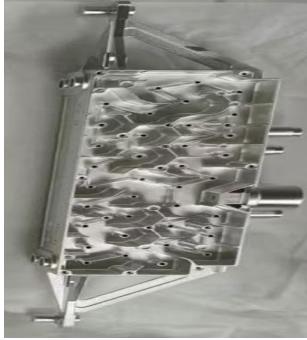
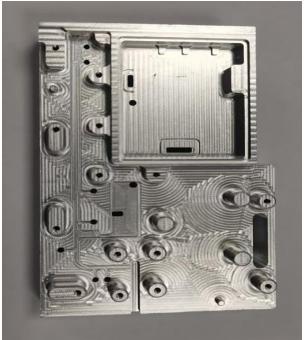


Metallic appearance  
PVD (Physical Vapor  
Deposition)

# Precision metal processing business - Die casting



# Precision metal processing business - Die casting



# Precision metal processing business - MIM (Metal Injection Molding)

Audio and headphone  
sliding arms, cover plates,  
and speaker coil motors.



Computers  
Computer hinges, cooling fans



Mobile phones  
SIM card tray, decorative ring



# Precision metal processing business - CNC

## Electronic product casings

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# Quality guaranteed

- + **Measuring equipment**
- + **Quality Management**
- + **Outsourced quality control**
- + **Internal Quality Management Process**



# Measuring equipment

Reese 3D



Image size  
detection



# Testing environment



2.5D Imaging System

3D Imaging System

Salt Spray Tester

Abrasion Tester

Linear Abrasion Tester

HV Hardness Tester

Ball Mill Thickness Gauge



Constant temperature and humidity test chamber



Metallographic sample cutting machine

# Testing environment

## Laboratory equipment



### 2.5D Imaging System

2D optical imaging measuring instrument, which ensures accurate measurement data.



### 3D Imaging System

Compared to 2D measuring instruments, it can perform 3D optical measurements, ensuring accurate measurement data.



### Salt Spray Tester

Measuring height data in millimeters.



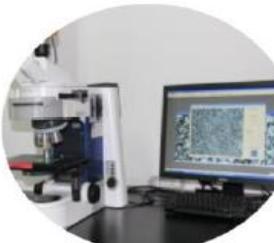
### Abrasion Tester

Accurately measure the unit weight and density of the product to ensure product quality.



### Linear Abrasion Tester

Micron-level dimensional measurement, ensuring precise control of dimensional tolerances.



### HV Hardness Tester

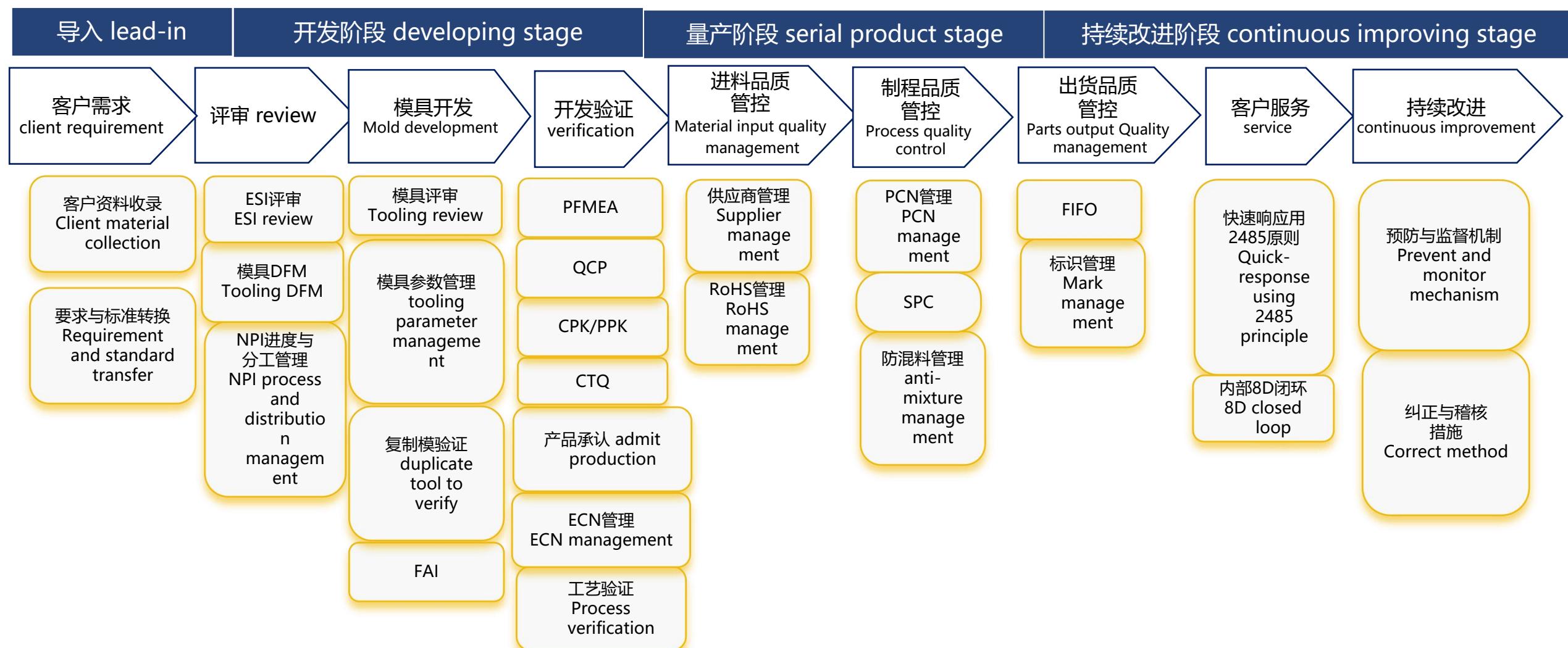
Analyzing the product's structure, composition, morphology, crystal grains, and other product characteristics.



### Ball Mill Thickness Gauge

Inspect the product's appearance quality and test its resistance to abrasion.

# Management --- Control System



# Internal quality management process (strict entry and exit controls)

阶段	认识品质	找标准 (内外部量试)	锁定品质	培训/接收/审核	爬坡品质	制造品质	过程品质
	接收学习客户标准	人/物/机/法/环/测的因素	人/物/机/法/环/测	培训	线体承认达标	标准执行与监管	预防批量不良发生
作业内容	客户图纸	CPK1 (尺寸/外观)	建立资料档案	理论制程能力分析	线体承认达标	首件	IQC
	客户MSOP	CPK2 (尺寸/外观)	文件受控	CPK1/2/3	理论制程能力分析 (大货管控)	巡检	FQC
	外观通用标准	CPK3 (尺寸/外观)	文件存档	人物机法环测对应受控文件的培训	制程品质数据 (加强版)	看板	全检
	客户进料SIP	理论制程能力分析	文件下发	GRR		定投	OQC
	客户外观/结构细节说明		责任对应单位审核	ARR		全检	投诉
	性能测试标准		品质体系监控			IQC/FQC/OQC/客诉	理论制程能力分析
	理论制程能力分析		SQE			日品质会议及异常深挖结案处理	异常处理跟踪快速结案

数据及时性及真实性

# Supplier and Subcontractor Quality Control

## Standardization is moving forward.

Extending the specifications for product design, manufacturing processes, and packaging, FMEA analysis is conducted during the development phase to identify Critical-to-Quality (CTQ) characteristics, which are then incorporated into the supplier quality control plan, specifying test items and test methods.

## Shifting delivery and internal control management forward.

Improve the supplier delivery management process and increase delivery accuracy; and ensure the effective transmission of correct information and proper coordination of delivery management.

## Shifting IQC (Incoming Quality Control) inspection capabilities upstream.

Establish a continuous management system for testing capabilities, encompassing employee onboarding training, skills assessment, theoretical and practical examinations, and continuous improvement of supplier quality testing capabilities.



## Shift management methods upstream.

Hold a supplier onboarding kickoff meeting, identify any missing organizational structures or roles within the supplier's organization and fill those gaps, and standardize the creation of supplier SOPs/SIPs.

## Equipment relocation

Establish a baseline for testing equipment (including tooling), plan according to the supplier's QCP control items identified through CTQ analysis, and establish rules for testing equipment acceptance, daily use, and maintenance management.

# Standardized and efficient project management capabilities

