



Hangzhou X-mag Inc.

Introduction

2023.02

a FORESEE Company

Founded in 2000

Overview

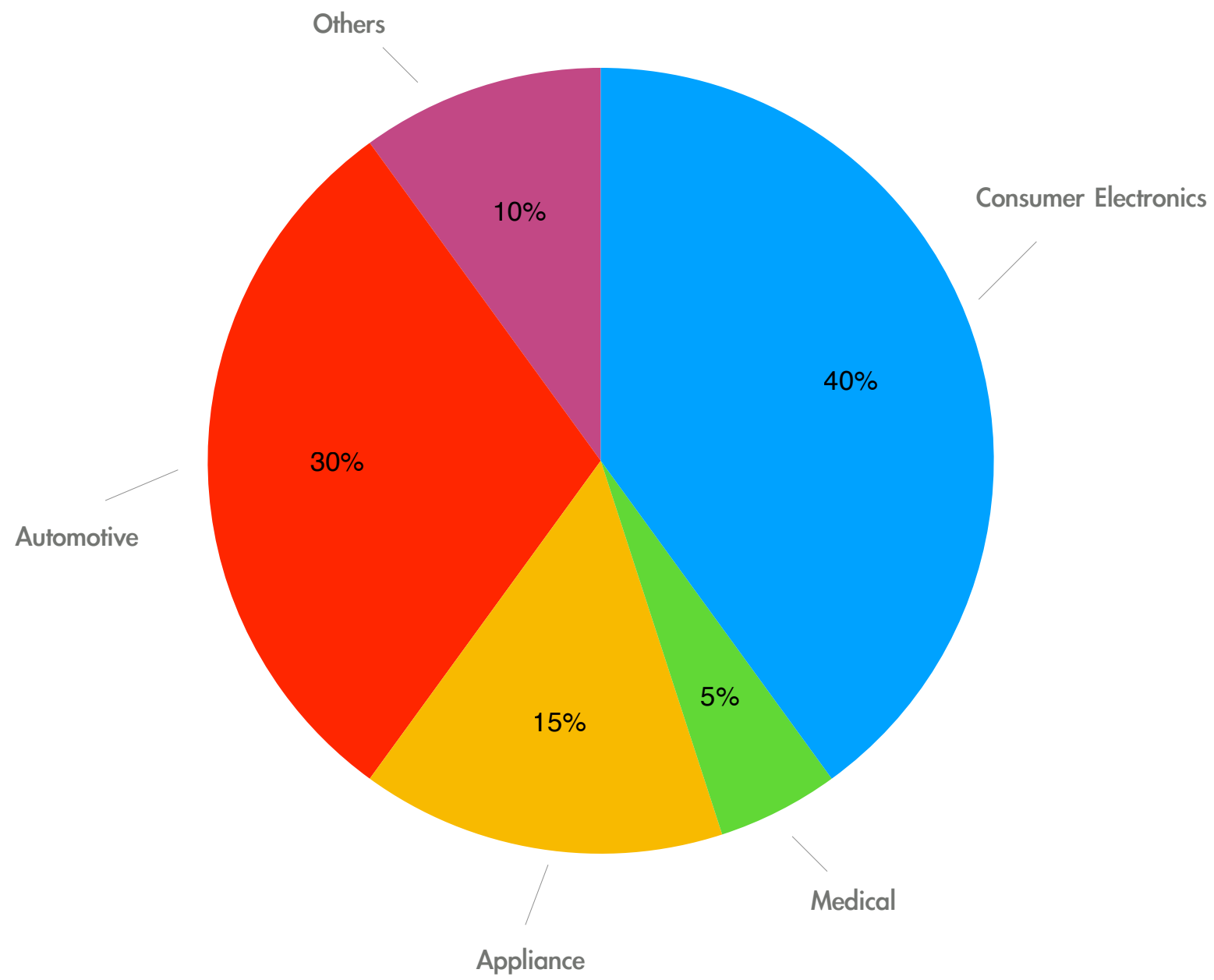


X-mag was founded in 2000, the sales window of FORESEE Group.

Headquartered in Hangzhou China, the group has 13+ manufacturing hubs across China, such as Magmax Technology, Foresee Technology, Hangzhou Quadrant Technology, X-mag Precision, CMR, Woosung Electronics, Magmax Surface Treatment etc., which provide different types of products. X-mag vertically integrates all manufacturing hubs and key resources in the group.

With over 20 years of experience in the design, R&D, and manufacturing for all types of magnetic materials, powder injection molding components, magnetic assemblies, rotors, stators, motors, sophisticated magnetic systems, magnetizing and measuring systems, X-mag provides one-stop and turnkey solutions to the most recognizable customers worldwide in industries of automotive, consumer electronics, appliance, security, sensing, medical, aerospace, and others on a global scale.

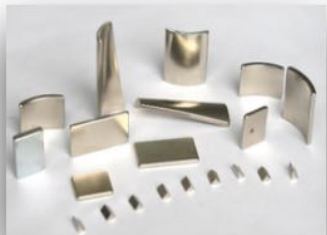
Industries





Product | Magnetic Materials

Hard Magnetic Materials	Sintered NdFeB	Sintered SmCo	Bonded Magnets	Alnico	FeCrCo	Sintered Ferrite
Soft Magnetic Materials	FeCo	FeNi	FeSi	CoFeNi	Amorphous	Nano crystalline



Product | Powder Injection Molding

Stainless
Steel

Ceramic

Low Alloy
Steel

Tool Steel

Soft
Magnetic
Alloy

Special
Alloy



Product | Magnetic Assemblies

Magnetic
Positioning

Magnetic
Coupling

Magnetic
Holding

Magnetic
Brake

Magnetic
Sensor

Magnetic
Navigation

Magnetic
Levitation

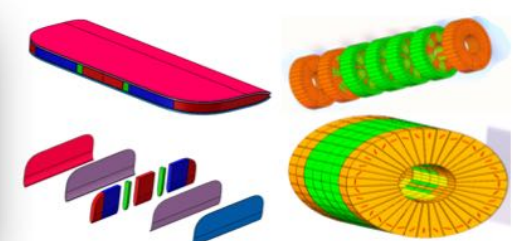
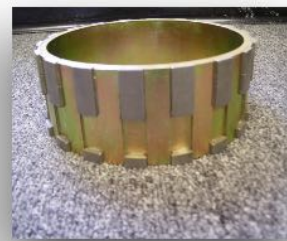
Magnetic
Seperation

Magnetron
Sputtering

MRI/NMR

DiPole

Halbach



Product | Modules, Rotors, Stators, & Motors

Automotive
Actuators

Automotive
Pump
Motors

Turbo
Motors

LiDAR
Motors

Window
Lift Motors

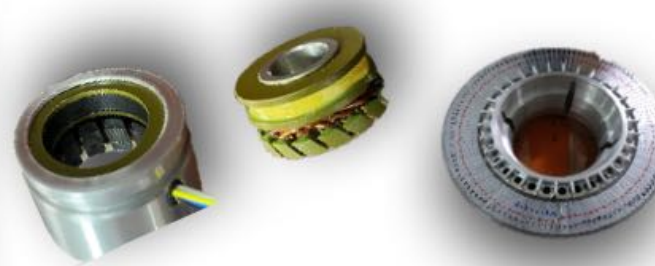
Power
Tools
Motors

Medical
Tools
Motors

Drone
Motors

Connectors

Haptic
Drivers



Manufacturing

Machining
CNC, EDM, Multi-wire
Saw, Laser Welding,
Grinding, & More

+

**In-house
Tooling**
Mould/Fixture/Jig

+

**Injection
Molding**
Plastic & Metal

+

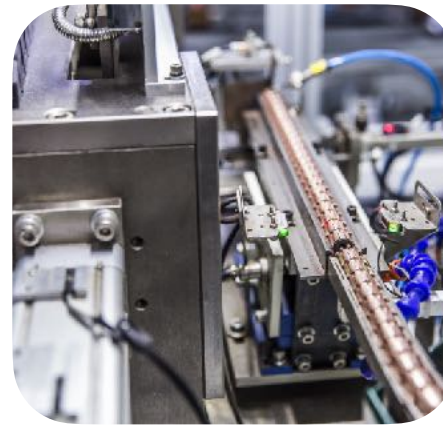
**Coating &
Plating**

+

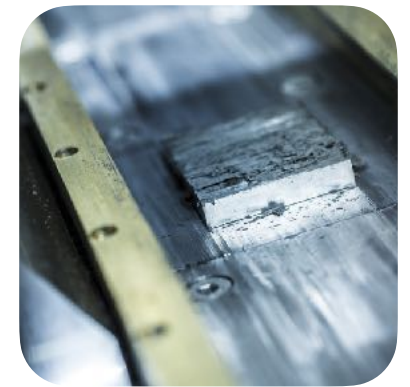
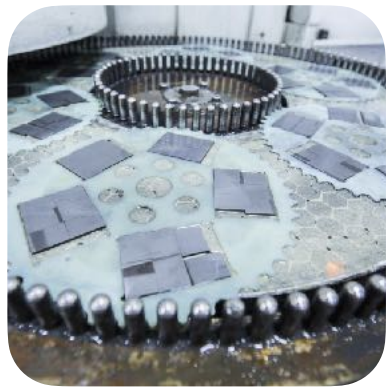
**Precise
Assembly Line**
Gluing, Magnetizing,
Assembling, & More

+

Motor Line
Stamping, Winding,
Lamination, & More



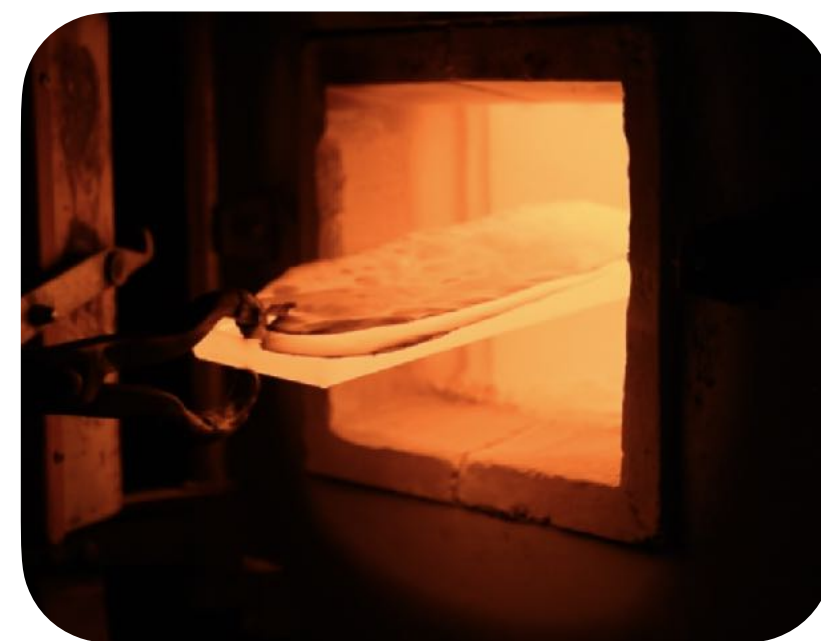
Manufacturing | Sintered NdFeB



Manufacturing | Sintered SmCo



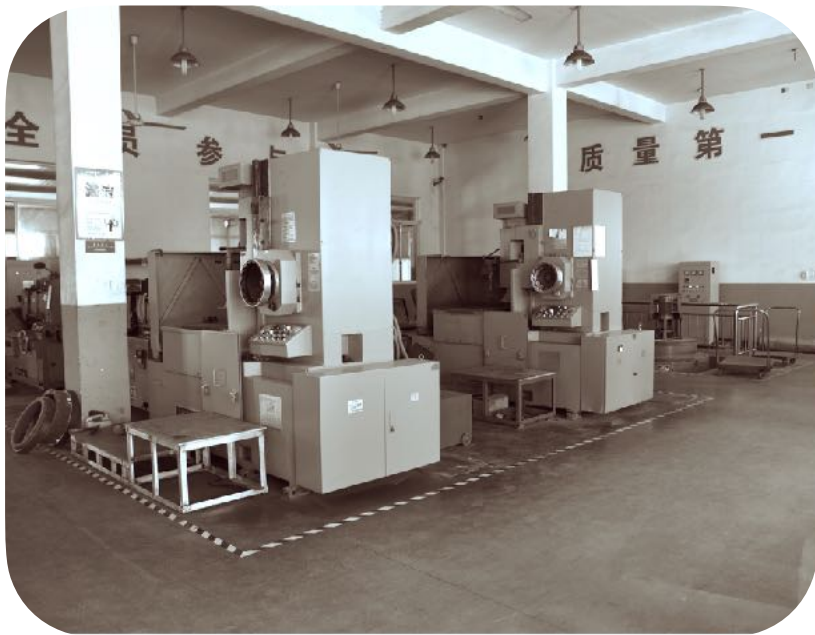
Manufacturing | Alnico



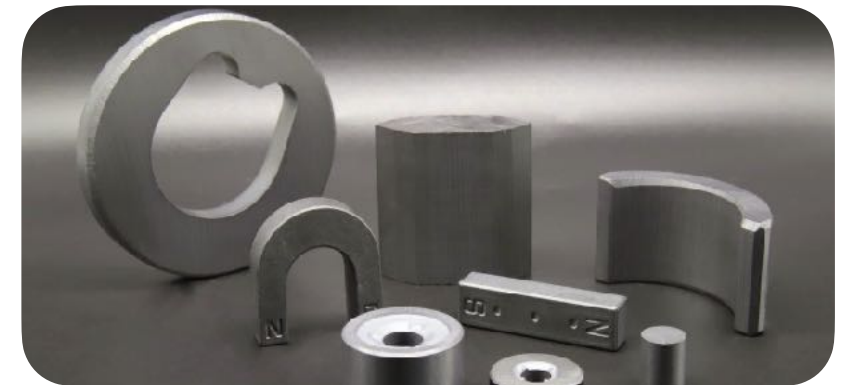
Manufacturing | Bonded Magnets



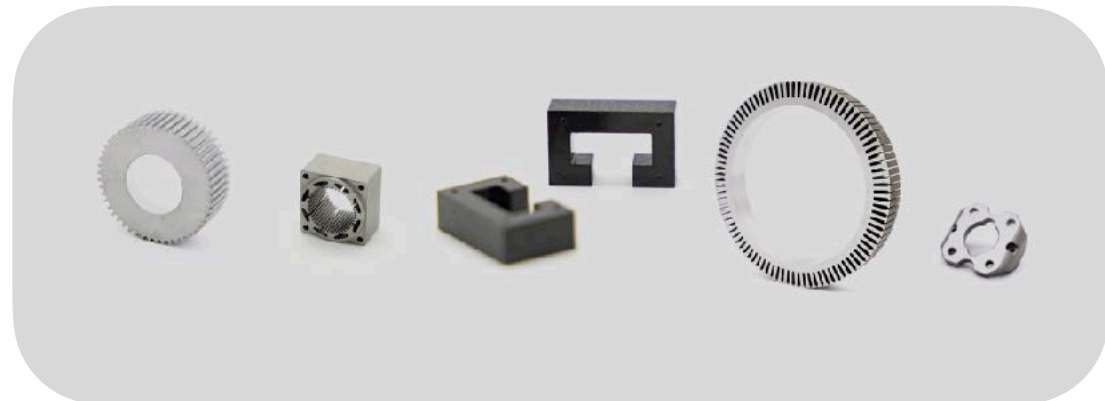
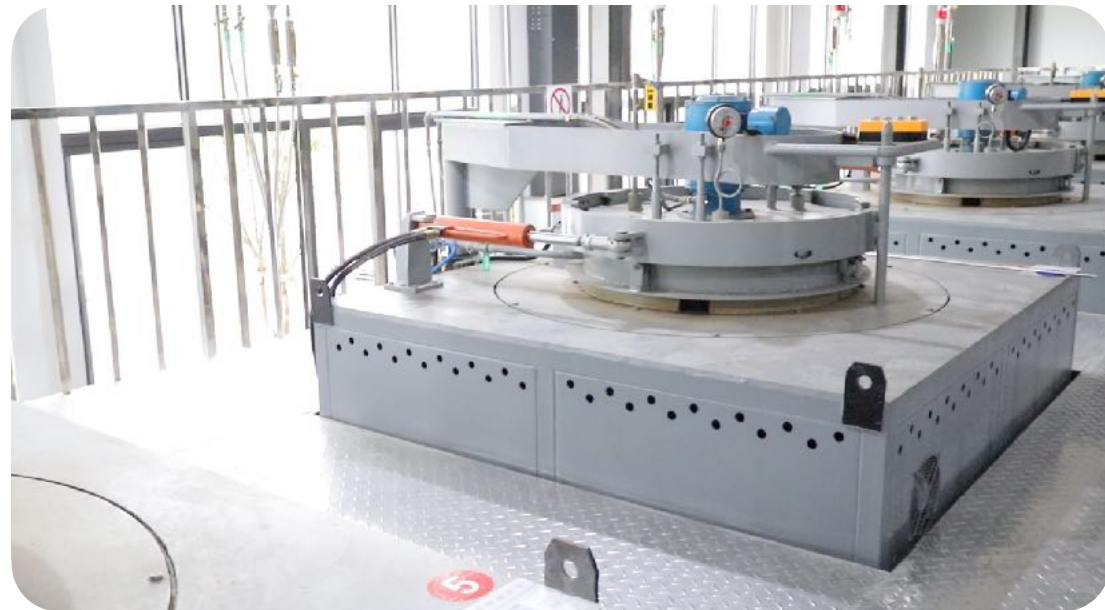
Manufacturing | FeCrCo



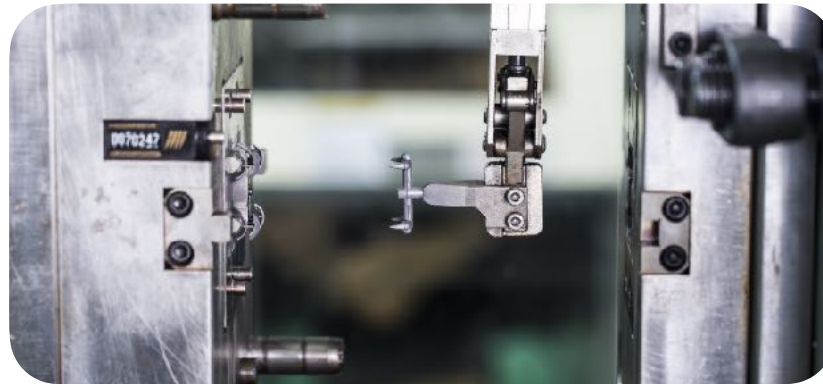
Manufacturing | Sintered Ferrite



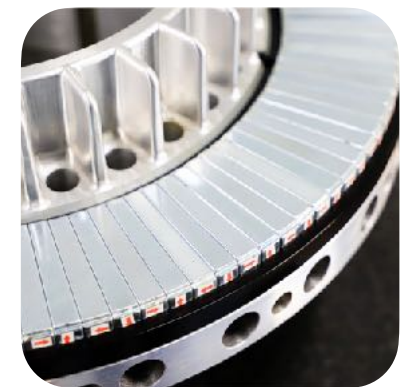
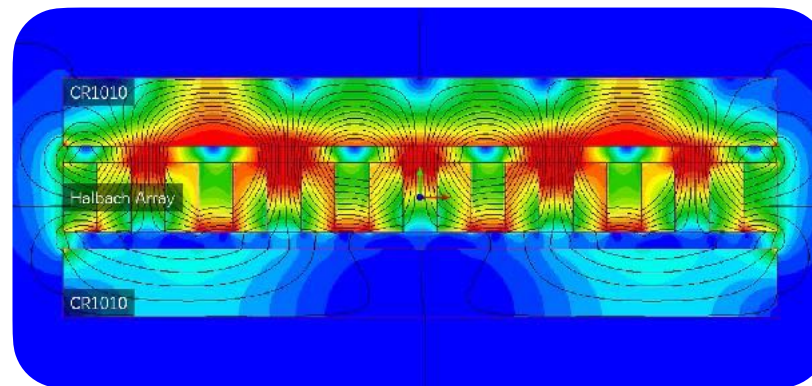
Manufacturing | Soft Magnetic Materials



Manufacturing | Powder Injection Molding



Manufacturing | Magnetic Assemblies



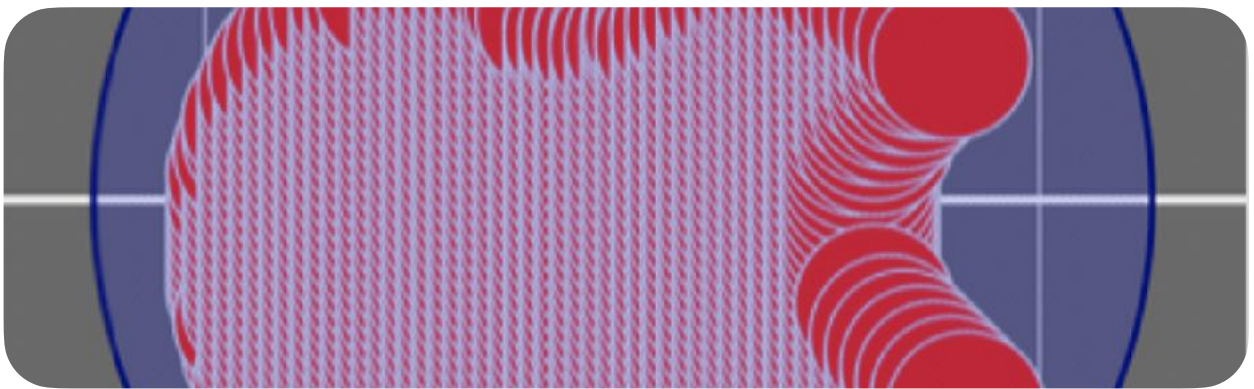
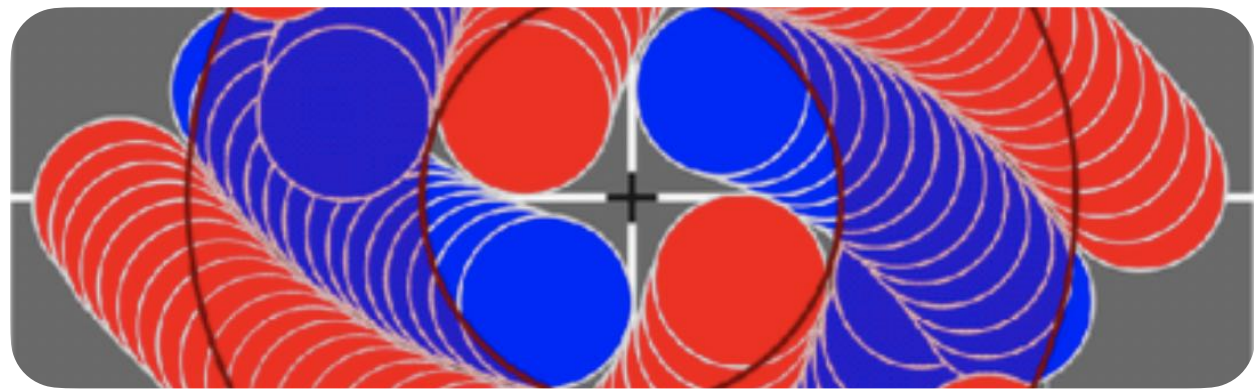
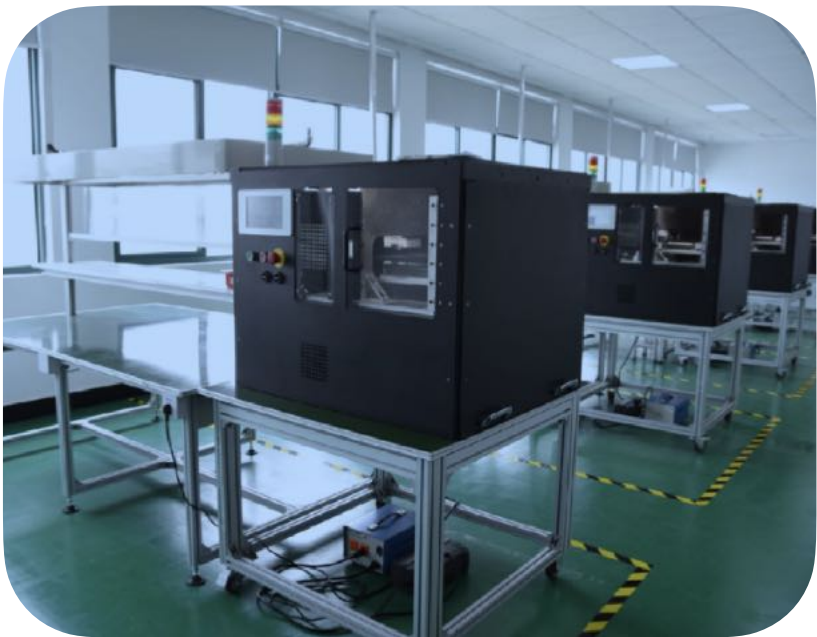
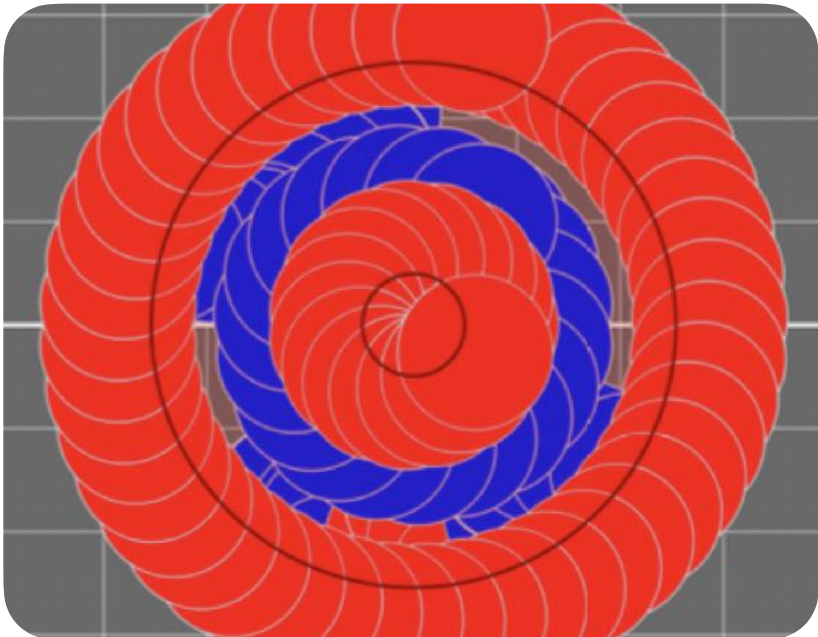
Manufacturing | Power Tool Motors



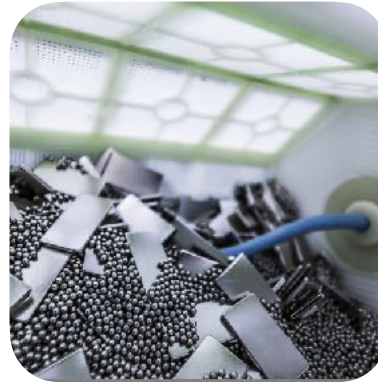
Manufacturing | Micro Vibration Motors



Manufacturing | Programmable Magnetizing



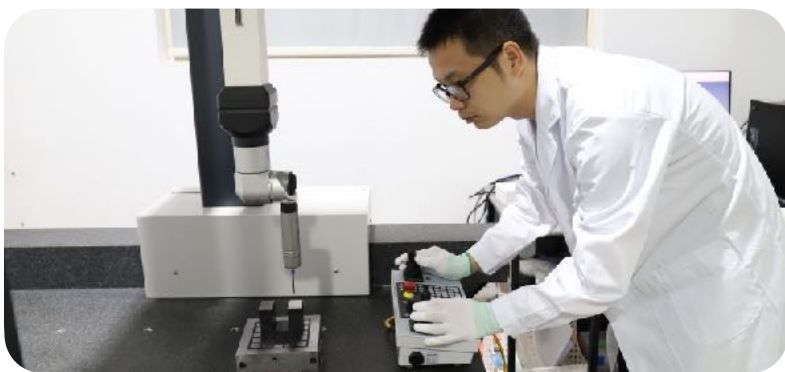
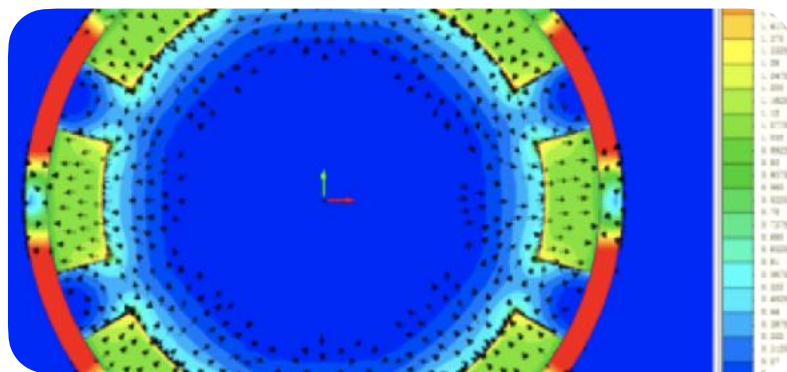
Manufacturing | Surface Treatment



Design & Manufacture of Mould/Tool



Capabilities | Design & Engineering



Capabilities | Quality Assurance

Magnetic Inspection

Magnetic Angle Deviation Test with 3D coil



100% Automatic Check Magnetic Angle Deviation



Hysteresis Machine



Flux Meter with HH Coil



Capabilities | Quality Assurance

Dimensional Inspection

OMM



CMM



CCD Workshop



Height Indicator



Capabilities | Quality Assurance

Coating Inspection

Metallographic Microscope(coating thickness)



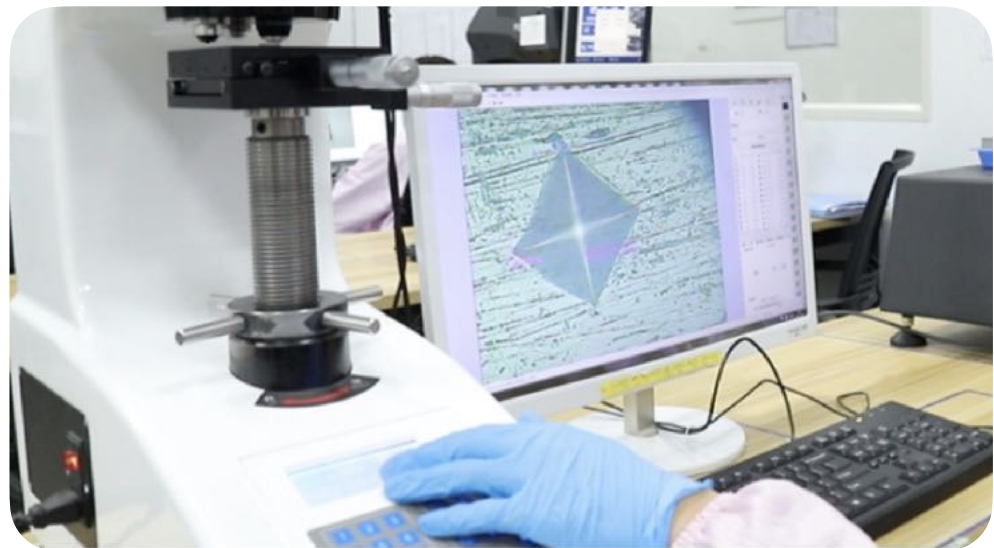
Salt Spray Test



X-Ray Coating Thickness Test



Coating Hardness Test



Capabilities | Quality Assurance

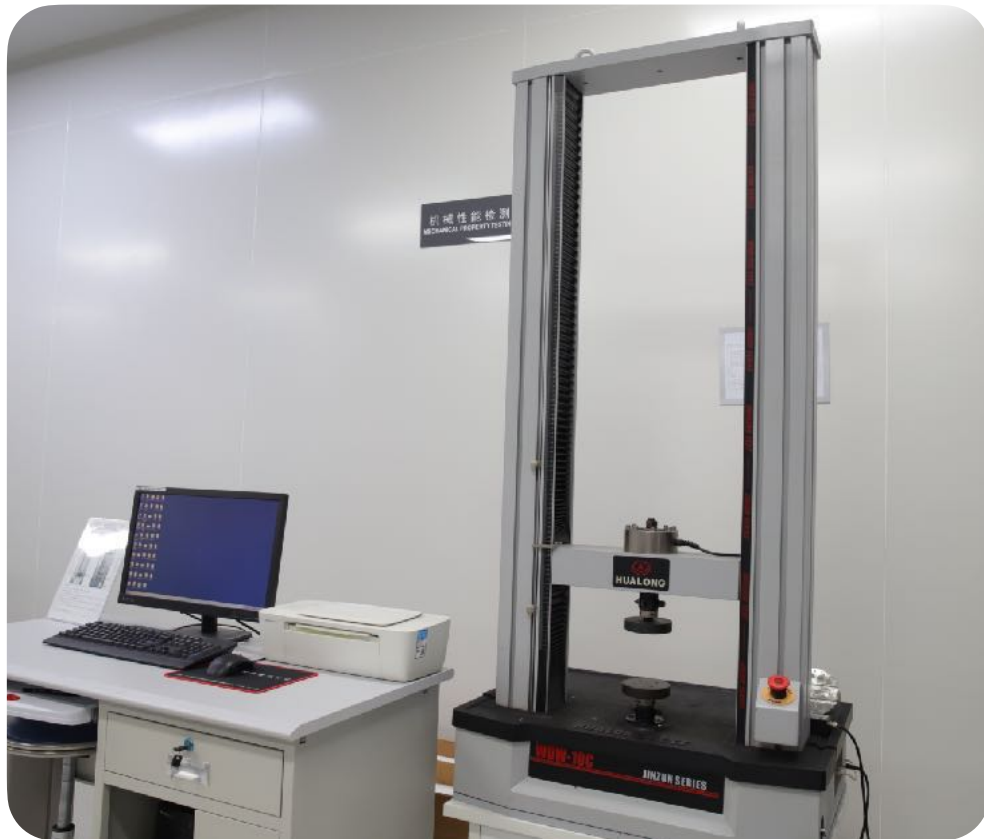
Environmental Reliability Test



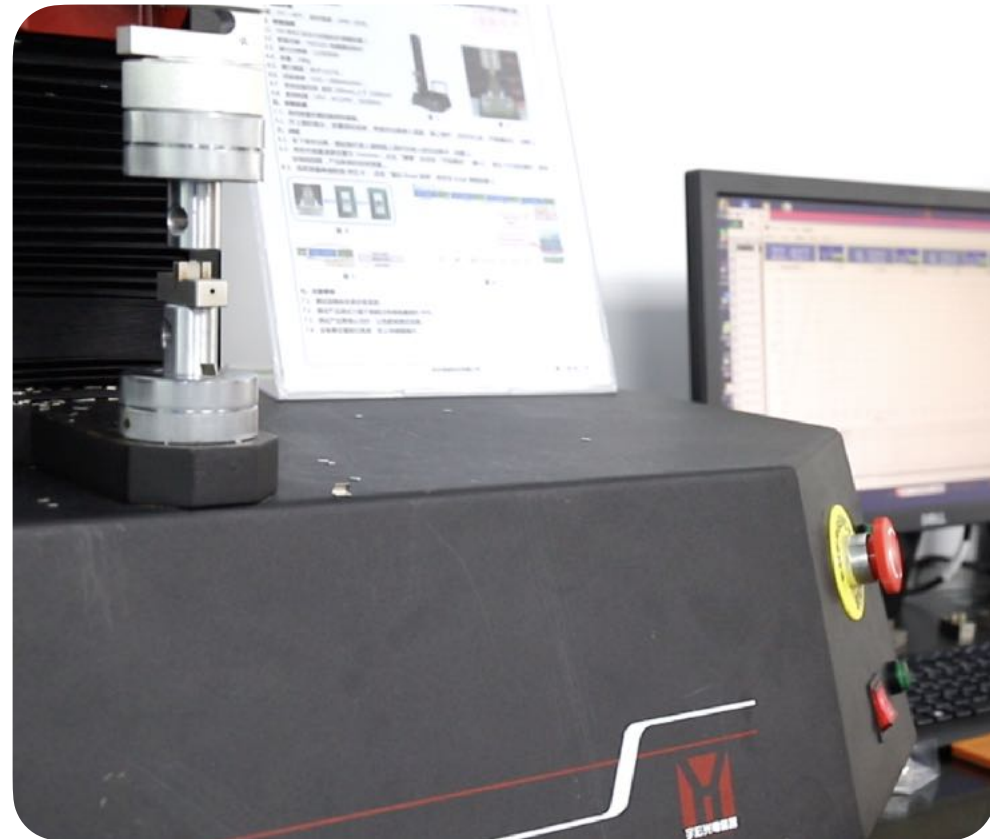
Capabilities | Quality Assurance

Mechanical Properties Inspection

Universal Testing Machine



Tension & Compression Testing Machine



Capabilities | Quality Assurance

Appearance/Physical Inspection



Capabilities | Quality Assurance

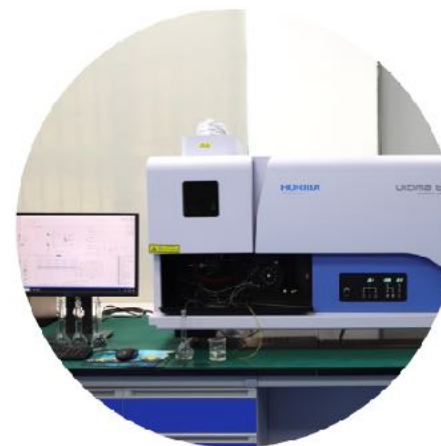
Composition Inspection



High Performance
Liquid Chromatography-
HPLC



Carbon Sulfur Analyzer



ICP Test



Oxygen& Nitrogen&
Hydrogen Analyzer



Qualifications

IATF 16949

ISO
9001

AS
9100

CSR Report

ISO
14001

ISO
45001

ISO
27001

AQB II
Certificate

Thank you for your time