



NINGBO NINGJIANG
POWDER METALLURGY CO., LTD

Corporate Catalog 2026

Precision In Every Particle

精密粉末冶金 · 定制工程解决方案

Powder metallurgy components for automotive,
compressor and industrial applications.

Founded 1993 / Ningbo, China





Overview

Contents

目录 · 从公司实力到产品与交付

01

Company & Engineering

公司与工程能力

03-05

02

Manufacturing & Quality

制造体系与质量控制

06-11

03

Product Portfolio

产品系列与技术窗口

12-16

04

Global Partnership

交付、合作与联系

17-20





Company

Built For Precision Since 1993

始于1993年的精密制造

Ningbo Ningjiang integrates R&D, tooling, manufacturing and sales. We specialize in iron-based sintered components for shock absorbers, compressors and industrial applications.

集研发、模具设计、制造与销售于一体，
专注铁基烧结零件与定制解决方案。



1993

Founded

成立年份

23,000 m²

Facility

现代化厂区

6,500+ t

Annual Capacity

年产能

~230

Professionals

专业团队

20+

Patents

专利储备



Engineering

From Concept To Production

从概念到稳定量产



01

Independent R&D

自主研发

Engineering technology center established in 2012.

02

In-house Tooling

自有模具中心

Mold development for custom component geometry.

03

DFM Collaboration

面向制造的协同设计

Drawing review, material and process selection.

04

Production Validation

量产验证

Samples and trial production before volume supply.



Company

A Modern Manufacturing Footprint

现代化厂区与高标准产线



Machining



Sintering



Collaboration



NINGBO NINGJIANG
POWDER METALLURGY CO., LTD

Manufacturing

One Process. Full Control.

全流程制造与质量闭环

Nine connected steps turn powder into
consistent, application-ready components.

Founded 1993 / Ningbo, China





Production Process At A Glance

连续工艺流程 · 依据产品要求组合工序

01

Mold Design

模具设计

02

Powder Mixing

自动混粉

03

Compaction

压制成型

04

Sintering

高温烧结

05

Sizing

精整整形

06

Machining

精密加工

07

Steam Treatment

蒸汽处理

08

Assembly

包胶与压套

09

Inspection

检测与入库

Optional operations are selected to suit material, geometry and application requirements.

整形、精加工、蒸汽处理及总成等工序按实际要求选配。



Manufacturing

Forming & Thermal Capabilities

成型、烧结与后处理能力



Powder Mixing

全自动混粉



25-300T Compaction

压制成型



Sintering

高温烧结



Steam Treatment

蒸汽处理

Controlled powder preparation, compaction and thermal processing support consistent density, hardness and dimensions.



Manufacturing

Precision Machining & Assembly

精密加工与总成能力



CNC Machining

数控加工



Wire EDM

线切割



High-Speed Milling

高速铣

Rubber Coating

包胶

Bushing Press-Fit

压套

Simple Assembly

简易总成



Quality

Measurement That Closes The Loop

高精度检测形成质量闭环



White Light Measurement

白光仪

CMM

三坐标

3D Profilometry

3D轮廓仪

Contour Measurement

轮廓仪

Vision Measurement

影像仪

Universal Testing

万能试验机

Hardness Testing

硬度计

Automated Vision

视频检测

Inspection plans follow drawing characteristics and control requirements.



Quality

Certified Systems & Protected Know-How

体系认证与知识产权



IATF 16949

Automotive Quality



ISO 14001

Environmental Management



High-tech Enterprise

National Recognition

20+ Patents

Invention and utility-model patents support product design, process development and custom manufacturing.

发明及实用新型专利支撑产品设计、工艺开发与定制制造。



NINGBO NINGJIANG
POWDER METALLURGY CO., LTD

Product Portfolio

Shock Absorber Components

汽车减振器零部件

Pistons, guides, valve seats and assemblies for
automotive damping systems.

Founded 1993 / Ningbo, China





Products

Shock Absorber Product Families

减振器产品族



Pistons

活塞



Guides

导向器



Valve Seats

阀座



Custom Geometries

定制结构件

Available Options

Single-sided, double-sided and concentric designs

Steam treatment / Heat treatment / Machining / Assembly



Shock Absorber Technical Specifications

减振器零件技术参数



Material	Iron-based / ferrous-based
Compaction	25-300T
Density	6.4-6.8 g/cm³
Steam treated	65-95 HRB
Non-steam treated	80-150 HB
Typical size	20-50 mm / custom
Sized tolerance	±0.01 to ±0.05 mm
Machined features	Up to ±0.005 mm
Supply mode	OEM / drawing / sample

Reference values. Final specifications depend on the drawing, feature and validation requirements.



Products

Compressor Component Solutions

压缩机零部件解决方案



Pistons

活塞

Density: 6.8-7.1 g/cm³



Connecting Rods

连杆

Hardness: 60-95 HRB



Valve Plates

阀板

Hardness: 75-95 HRB

Precision manufacturing supports the movement, sealing and dimensional requirements of compressor components.



Products

Custom Parts, Engineered With You

非标定制 · 与客户协同开发



Drawing-based

来图定制

Geometry, tolerances, material and annual volume.

Sample-based

来样定制

Sample review and development of custom tooling.

Small-batch Trial

小批量试制

Validate design and process before volume production.

Value Engineering

价值工程

Review tooling, process route and manufacturing cost.



Delivery

Protected, Packed & Ready To Move

包装防护与全球交付



EXW / FOB / CIF

灵活的交付条款

Industrial Protection

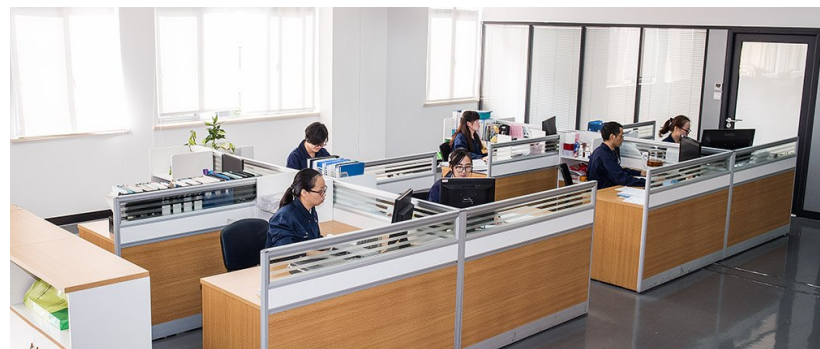
Rust prevention, neutral cartons and wooden cases selected for the product and shipping route.



Partnership

People Behind The Process

制造背后的团队与文化



Customer First. Craftsmanship Always.

客户至上，以专业与工匠精神兑现每一次交付。



Partnership

From RFQ To Production Launch

从询价到量产的标准协作流程

01

RFQ & NDA

询价与保密

02

Drawing Review

图纸评审

03

Tooling & Trial

模具与试制

04

Validation

样件验证

05

Ramp-up

量产爬坡

06

Serial Supply

稳定供货

Drawings Or Samples?

We review technical data, existing solutions and tooling needs before quotation.

Confidentiality?

An NDA can be agreed before technical documents are shared.

Available Services?

Tooling, compaction, sintering, CNC machining, surface treatment and assembly.



NINGBO NINGJIANG
POWDER METALLURGY CO., LTD

Let's Build The Next Part.

期待共同开发下一款精密零件

Web ningjiang-pm.com

No. 798, Chaoyang Road, Jiangshan Town, Yinzhou District,
Ningbo, Zhejiang, China

Ningbo Ningjiang Powder Metallurgy Co., Ltd.

