



喬勝機動車配件有限公司

NJK OIL SEAL CORP

POWER THE RUNNING

2022.09.26

By Po-Cheng Chen



China

Registered capital USD 15 million

Number of employees 500

Factory area 46,800 m²

Product Oil Seal, V-Ring, Rubber Gasket, Rubber Packing, Tensioner, Plastic products



盐城乔胜机动车配件有限公司

YANGCHENG QIAOSHENG MOTOR VEHICLE FITTINGS CO. LTD.

Taiwan

Registered capital USD 5000 thousand

Number of employees 25

Factory area 5,000 m²

Product O-Rings, TPU,
Bonded Seals,
Rubber Parts

NJK History

- 1995** Established Yancheng Qiaosheng Motor Vehicle Co., LTD.
- 1996** Registered “NJK” trademark in China.
- 1999** Constructed the second production building.
- 2000** Certified of ISO9001:2000 international quality control system certification.
- 2002** Constructed the third production building.
- 2004** Mobilized TQM program in applying for TS/16949:2002.
Established R&D Office and the fourth production building.
- 2005** Established the fifth production building.
- 2006** Obtained TS/16949 Certificate and implemented KPI programs.
TS/16949 enabled NJK entering O.E.M & O.D.M in automobile industries.
- 2012** Developed O.D. 1,000 mm oil seal.
- 2015** Imported ERP system.
Established Taiwan-based production plant - NJK Pro-sealing Technology Corp.
- 2019** Automated production equipment and manufacturing research

Competitive Strength

- Approved by Yang Cheng City Engineering Technology Research Center
- Obtained 7 national patents
- Developed O.D. 1,000 mm oil seals.
- Inhouse-manufactured molds and springs.
- More than 20,000 sets of molds in stock.

Supply :

Automobiles, motorcycles, trucks, boats, industrial machinery, agricultural machinery, sports machinery, medical products, WRAS Approval, FDA Approval...



IATF 16949

IATF passed in April, 2022

NO : 0447531



CERTIFICATE

Quality Austria - Trainings, Zertifizierungs und Begutachtungs GmbH awards this **qualityaustria** certificate to the following organisation:

**Yancheng Qiaosheng
Motor Vehicle Fittings Co., Ltd.**
No.278, Kaifang Avenue south Road,
Wuyou Street, South New District, Yancheng City,
Jiangsu Province, China

Design and manufacturing of oil seal, o-ring,
valve steam seal, engine gasket and
other small rubber parts

This **qualityaustria** certificate confirms the application
and further development of an effective

QUALITY MANAGEMENT SYSTEM
complying with the requirements of standard
IATF 16949:2016
with product design

Registration No.: 12911/0
IATF-Registration No.: 0447531
Issue Date: 05 April 2022
Expiration Date: 04 April 2025

Vienna, 05 April 2022

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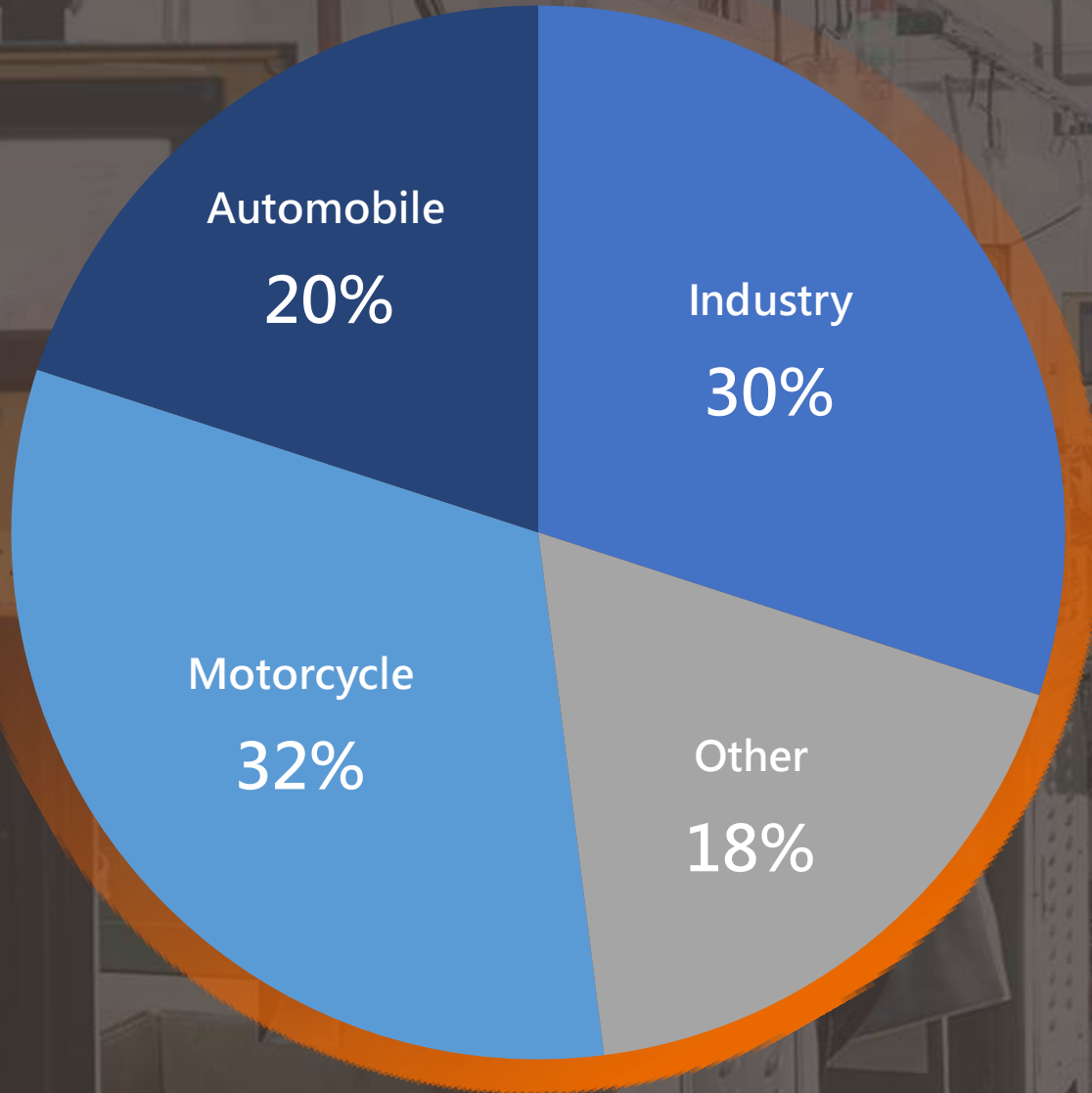
Quality Austria - Trainings, Zertifizierungs und Begutachtungs GmbH,
AT-1010 Vienna, Zelinkagasse 10/3

Mag. Christoph Mondl
General Manager

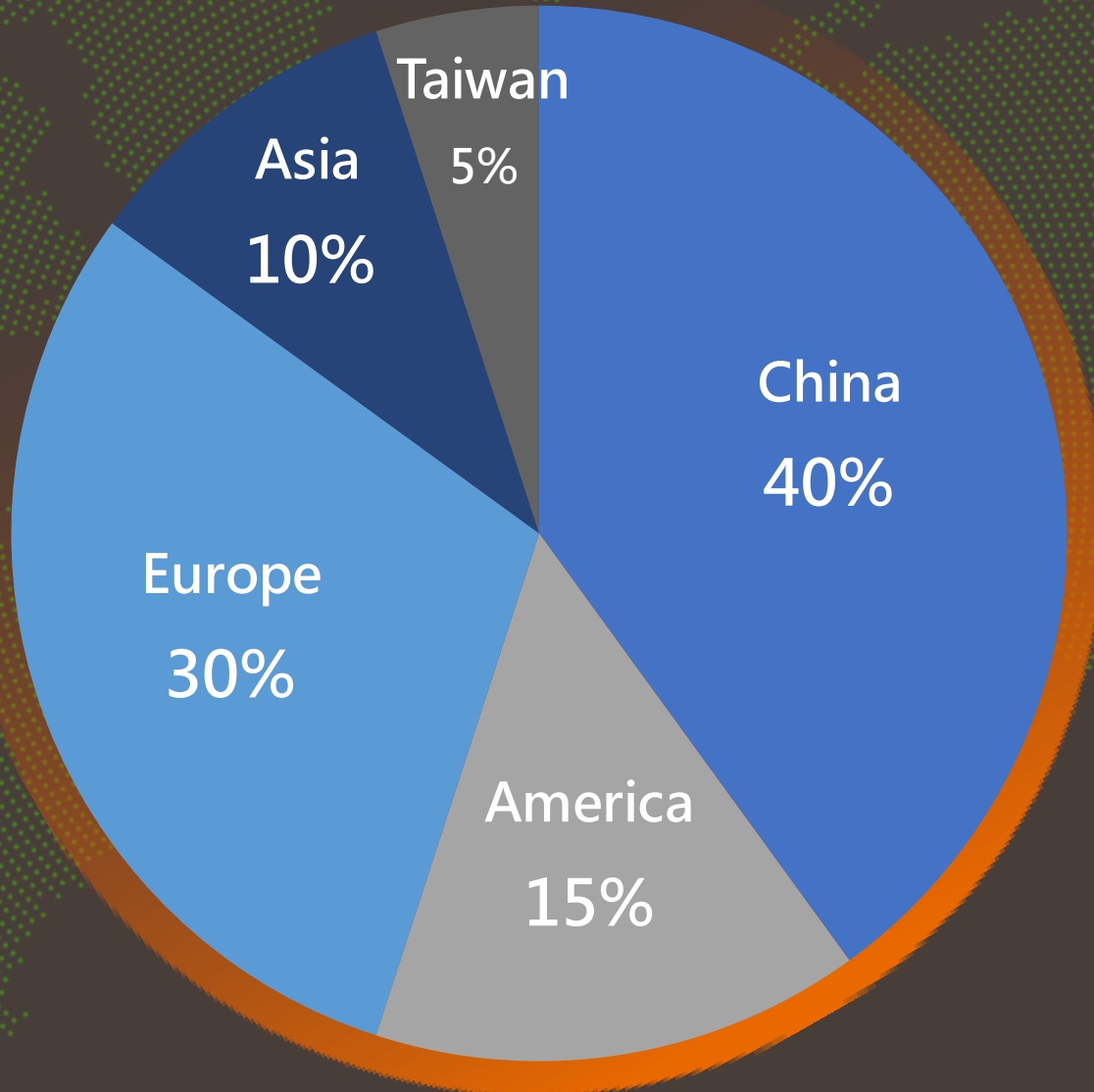
Mag. Dr. Werner Paar
General Manager

Ing. Michael Dragosits, MSc
Specialist representative

Capacity



Sales distribution



Revenue :
China

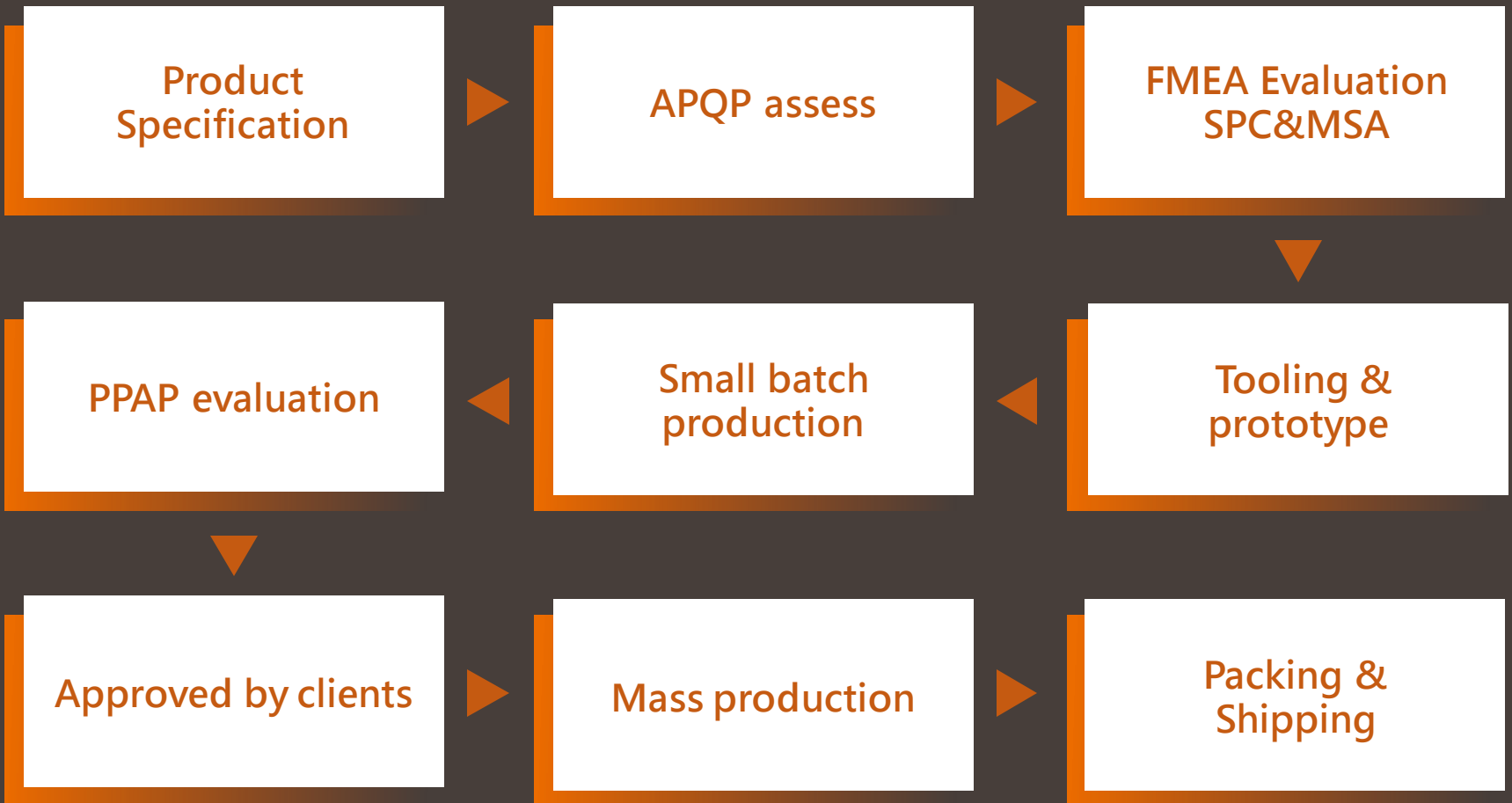
20 million

Taiwan

2 million

UNIT : USD

Manufacturing





Advanced Production Equipment

Manufacturing Process

Mold R&D
Preparation



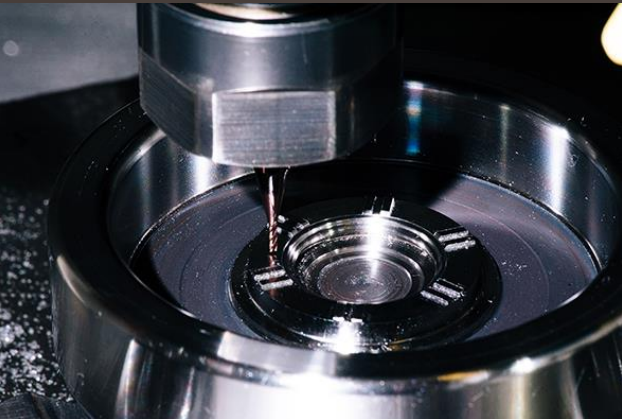
Curing



Trimming



Inspecting



Manufacturing Process



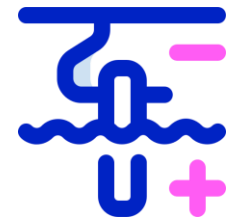
CNC Processing Center x4



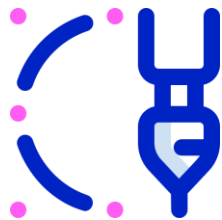
CNC Lathe x7



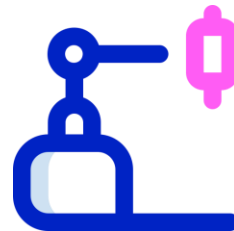
High Speed Lathe x9



EDM x1



Engraving and Milling Machine x2

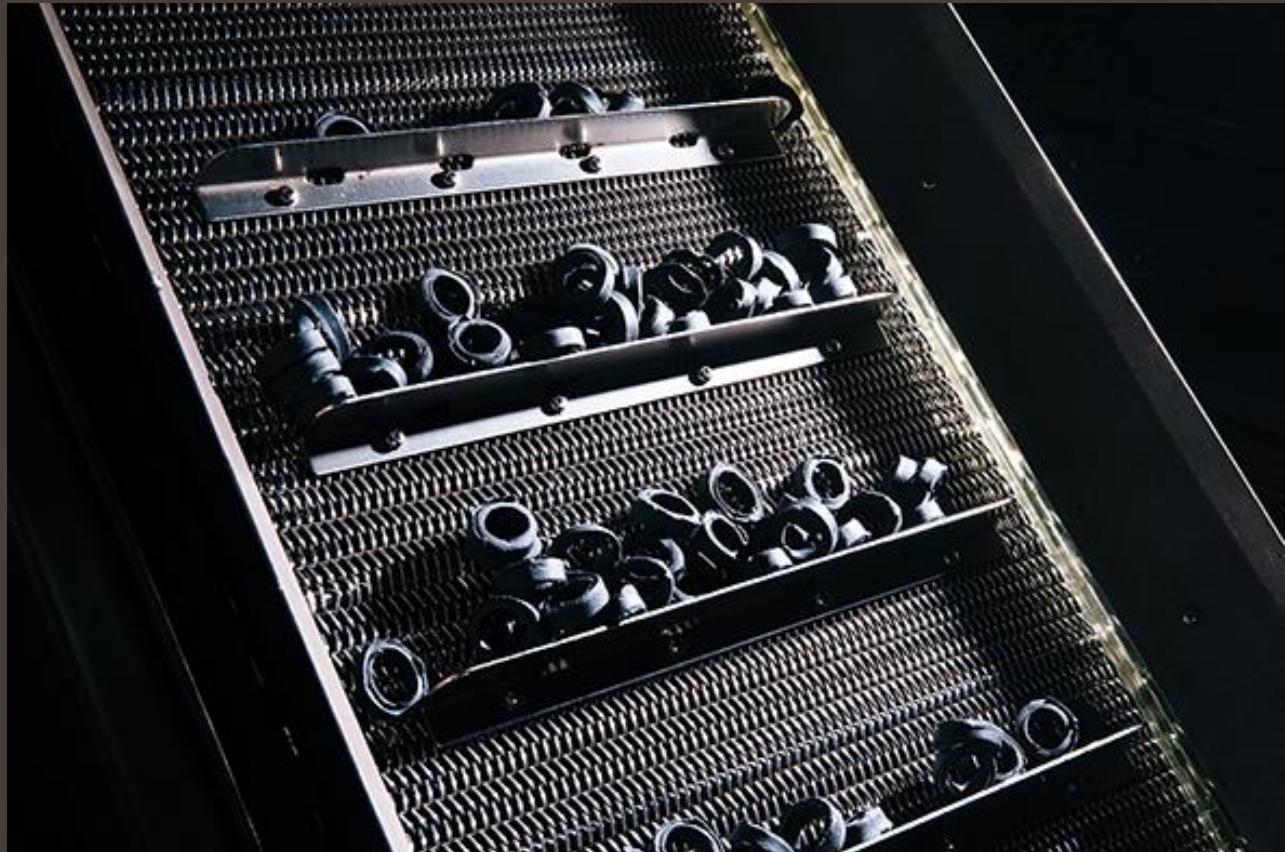


Vertical Milling Machine x1



Large Metal Folding Machine x1

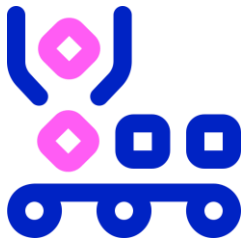
Manufacturing Process



Manufacturing Process



Metal cases



Phosphatizing Machine x1



Orbit Oven x1

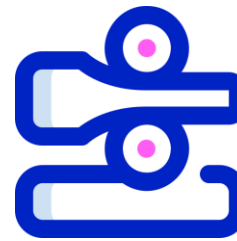


Sandblasting machine x2

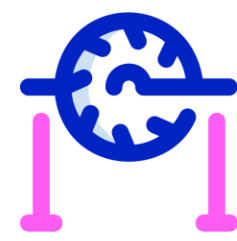


Bonding agent
applying machine x7

Rubber



Open roller x3



Rubber kneader x1



Performer x3



Rubber Cutting Machine x2

Manufacturing Process

Mold R&D
Preparation



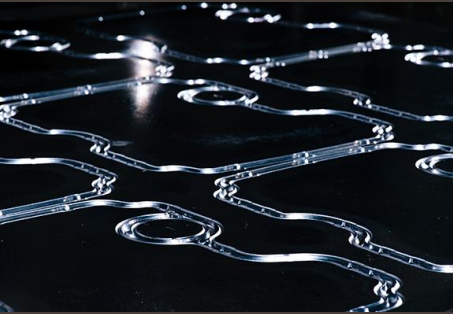
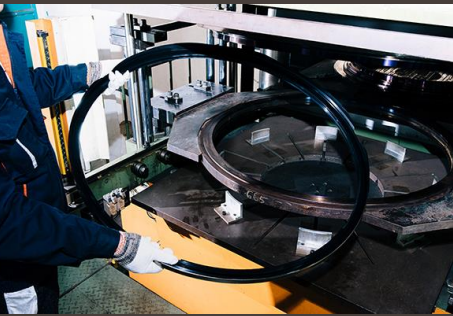
Curing



Trimming



Inspecting



Manufacturing Process

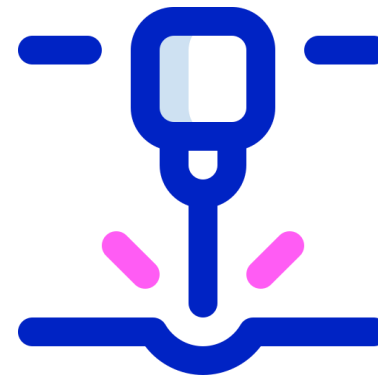


Compression machine



- 80T/2RT x30
- 100T/2RT x59
- 100T/3RT x25
- 200T/2RT x2
- 250T/3RT x5
- 350T/2RT x4
- 350T/3RT x8

Injection machine



- Horizontal/200T/3RT x1
- Dedicated/200T/3RT x1
- Dedicated/200T/3RT x1
- Dedicated/ 200T/4RT x1
- Packing/200T/Auto x4
- Dedicated/ 500T/3RT x2

Manufacturing Process



Fully automatic production machine

- Automatically trims rubber and corrects weight
- Mechanical arm can pick up metal case and products



Manufacturing Process

Mold R&D
Preparation



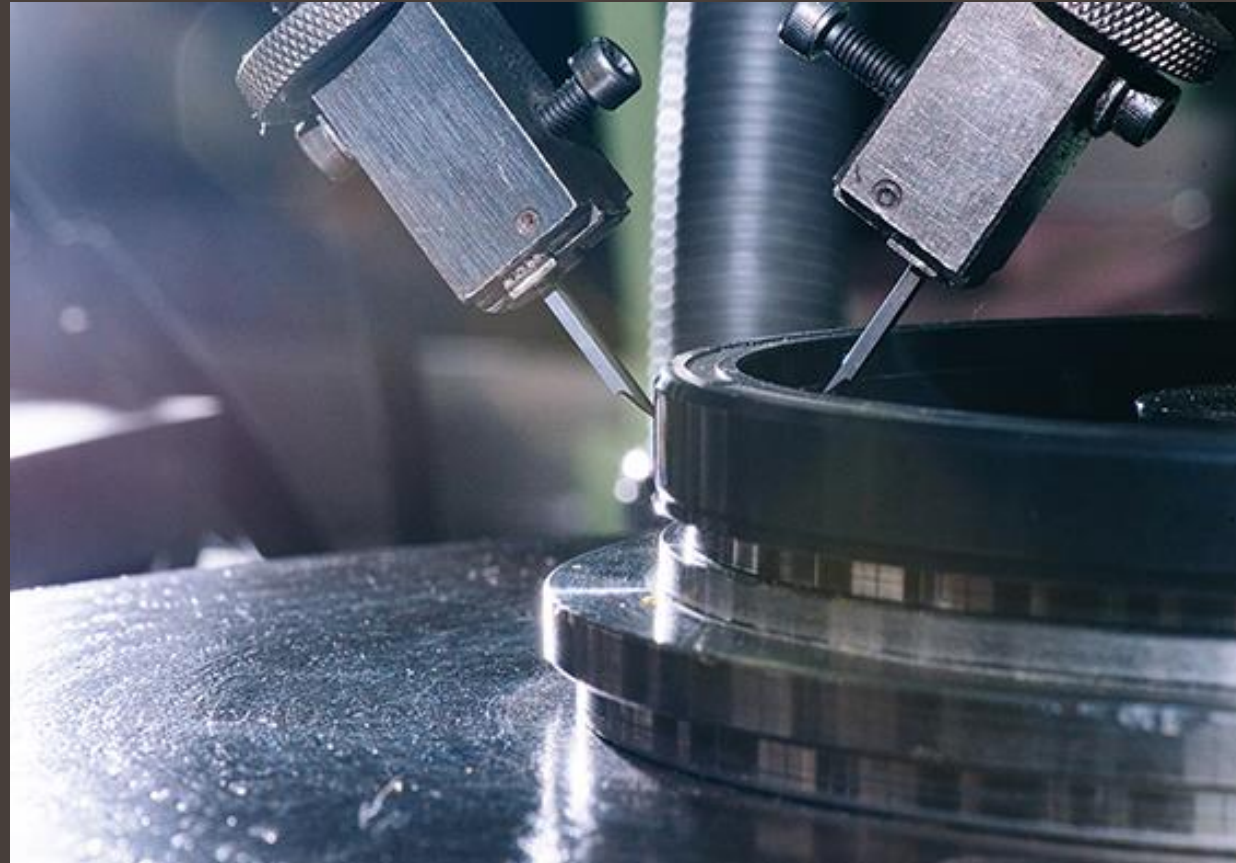
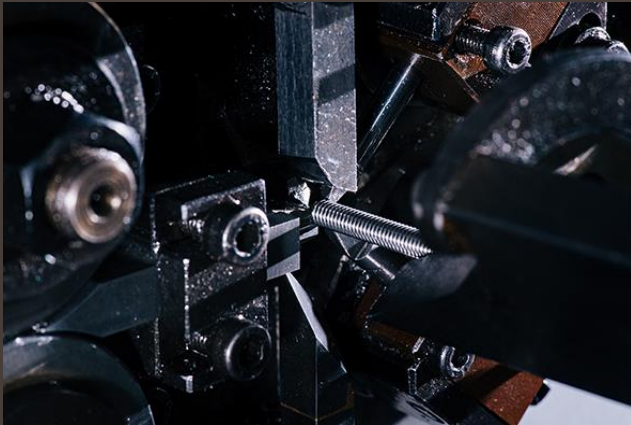
Curing



Trimming



Inspecting



Manufacturing Process



Trimming machine



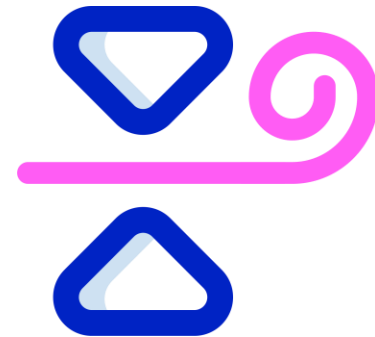
Semi-auto

x48

Automatic

x19

Spring machine



Coiling machine

x28

Spring link
machine

x12

Spring auto
installation

x16

Manufacturing Process

Mold R&D
Preparation



Curing



Trimming



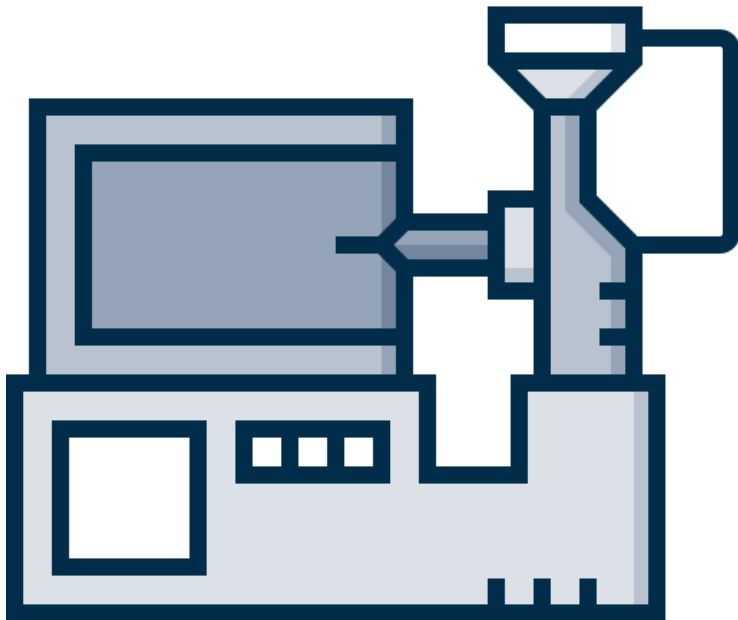
Inspecting



Plastic injection machine



Plastic injection machine



- 80T x2 (Vertical)
- 150T x2
- 180T x3
- 200T x1
- 250T x1
- 1140T x1 (Vertical)



Lab

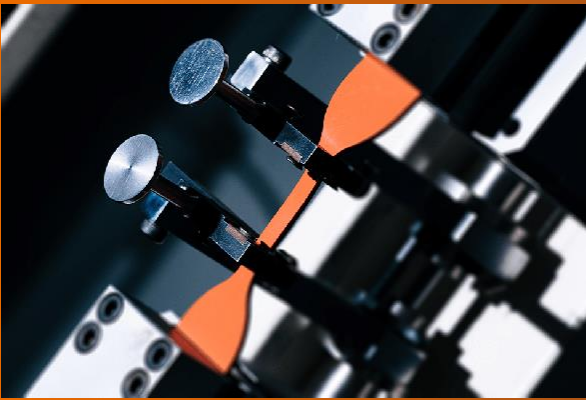


Quality management

| Item | | Content | NJK Equipment |
|------------------------------|--|---|--|
| Material Incoming Inspection | Rubber | Normal test such as rheometer, hardness, tensile and elongation. | Rheometer · Tensile Tester |
| | Metal case | Dimension check(AQL 2.5) | Caliper (For OEM with material certification) |
| Product Inspection | New article | Full-size dimension check, rotary test (required by customer) | Projector for profile of each cavities. Microscope and caliper for all dimensions. |
| | Mass production | Random check and self-inspection on process – vulcanization, trimming and package | Projector · Spring Tensile Tester, caliper and visual |
| Annual review | 1. According to annual plan, carry out full set of rubber material data test(heat aging, oil resistance, low temperature resistance, compression set). 2. According to the usage, periodic test (#1 · #3oil resistance · rotary test · pressure test) depend on customer' s demand. | | |

Testing Equipment

Low Temperature Brittleness Tester



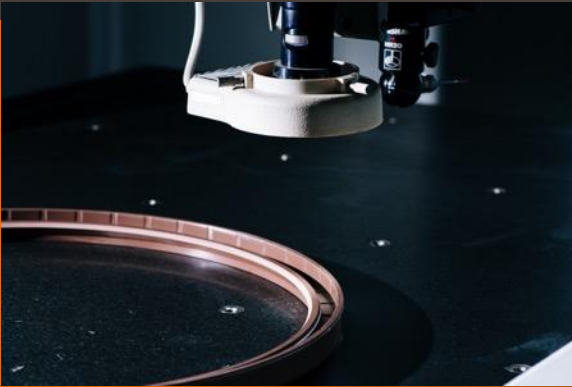
Microprocessor Tensile Tester



Ozone Resistance Chamber

Testing Equipment

3D Vision Microscope



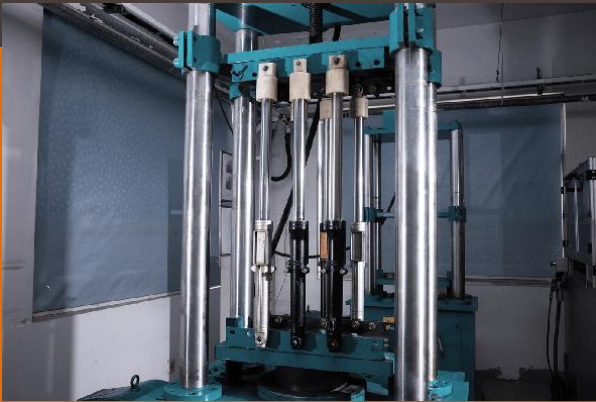
Spring Tensile Tester



Radial Force Tester

Testing Equipment

Shock Absorber Tester

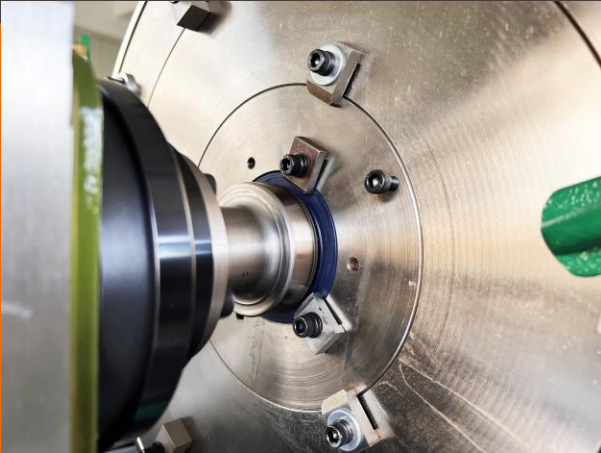


High Pressure Tester



Rotary Tester

Testing Equipment/ Slurry Rotation





NEW Equipment 2024

Material Brand

Chemical



Polyurethane



Steel Wire



Steel Plate



Rubber



Precision Machinery
Automobile

Household Appliances
Office Equipment

Elevator



Fitness
Equipment

Electrical Tools

Agricultural Machinery
Industrial Transmission

Motorcycle

Construction Machinery Wind Power Machinery

AUTOMOBILE



Automobile Customer





MOTORCYCLE



Motorcycle Customer



PEUGEOT





GENERATOR





PLASTIC



Generator Customer

Heavy-Duty



沃得农机
WORLD GROUP



Mahindra



国机集团



HUTCHINSON



威孚集团
WEIFU GROUP



BOSCH

XIZI 西子

Generator



ZONGSHEN
宗申通机
ZS GENERAL POWER MACHINE



JIANG DONG



KOHLER®



华盛中天
HUASHENG ZHONGTIAN

隆鑫通用
LONCIN

Client - Italy Piaggio Vehicles



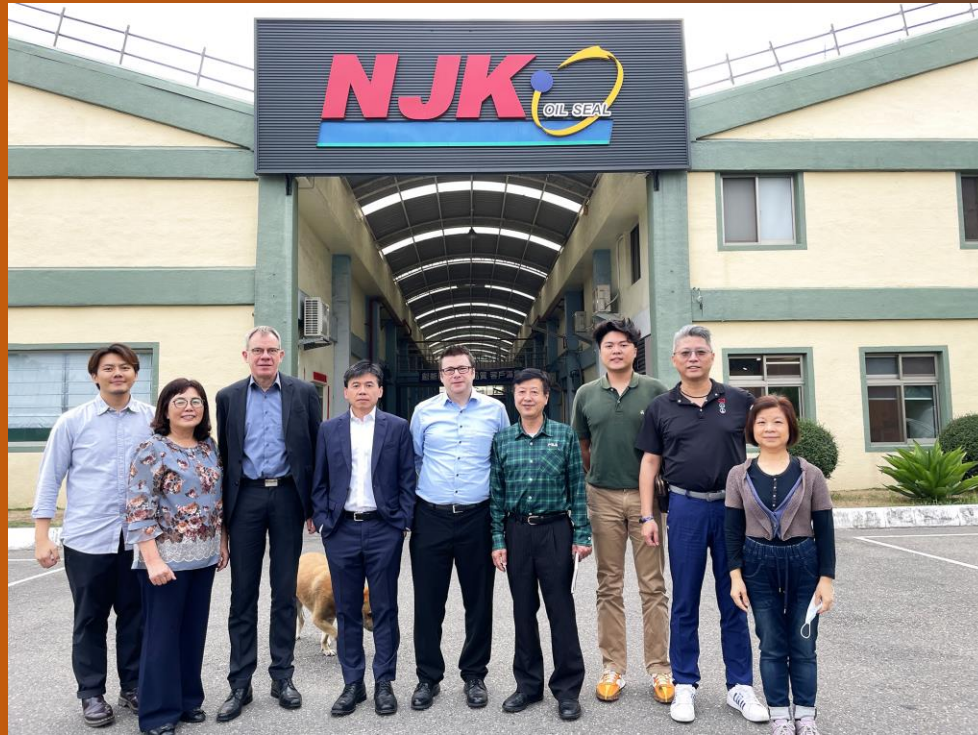
Italy Piaggio Vehicles

Clients - Martbo Sealing Technologies



Martbo Sealing Technologies

Clients- Visit the Taiwan company



 **Angst+Pfister**

Clients – CFMOTO



浙江春风动力参访



MJK

Thank you for your time.