

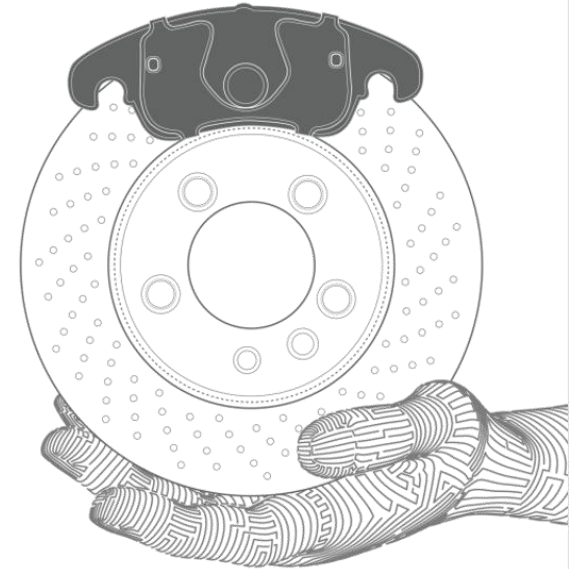


赛尔集团  
SELLERSUNIONGROUP

***Touch-Rich***

**BRAKE DISCS & BRAKE PADS  
GLOBAL SHARING**

GREEN MANUFACTURER



# Production Workshop-Brake Discs



With automated workshops and lean production methods,  
the annual production capacity can reach **60 Million** pieces.

# Production Workshop-Brake Pads



## LODIGE MIXER

World Grade  
1200L Ultra Capacity  
Specialized for Ceramic



## SANGSIN PRESSER



## IAG PRESSER

World Grade  
Full Auto  
OEM Qualified



## COMEC GRINDER



The annual production capacity can reach **12 Million sets**

# Products Introduction

- **Products Display**
- **TQM Management**
- **Quality Control&Testing**
- **Certificates&GB**



# PRODUCTS DISPLAY

Brake Disc



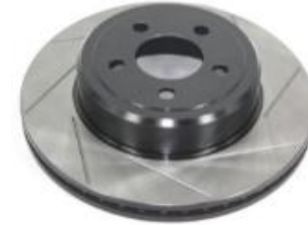
PV Brake Disc



Hub Disc



Fully Coated Disc



Black Slotted Disc

Disc&Drum



CV Brake Disc



Bi-Metallic Disc



Drilled Disc



Brake Drum



Find more on  
CATALOGUE

# PRODUCTS DISPLAY

## Brake Pads



PV Brake Pads



CV Brake Pads

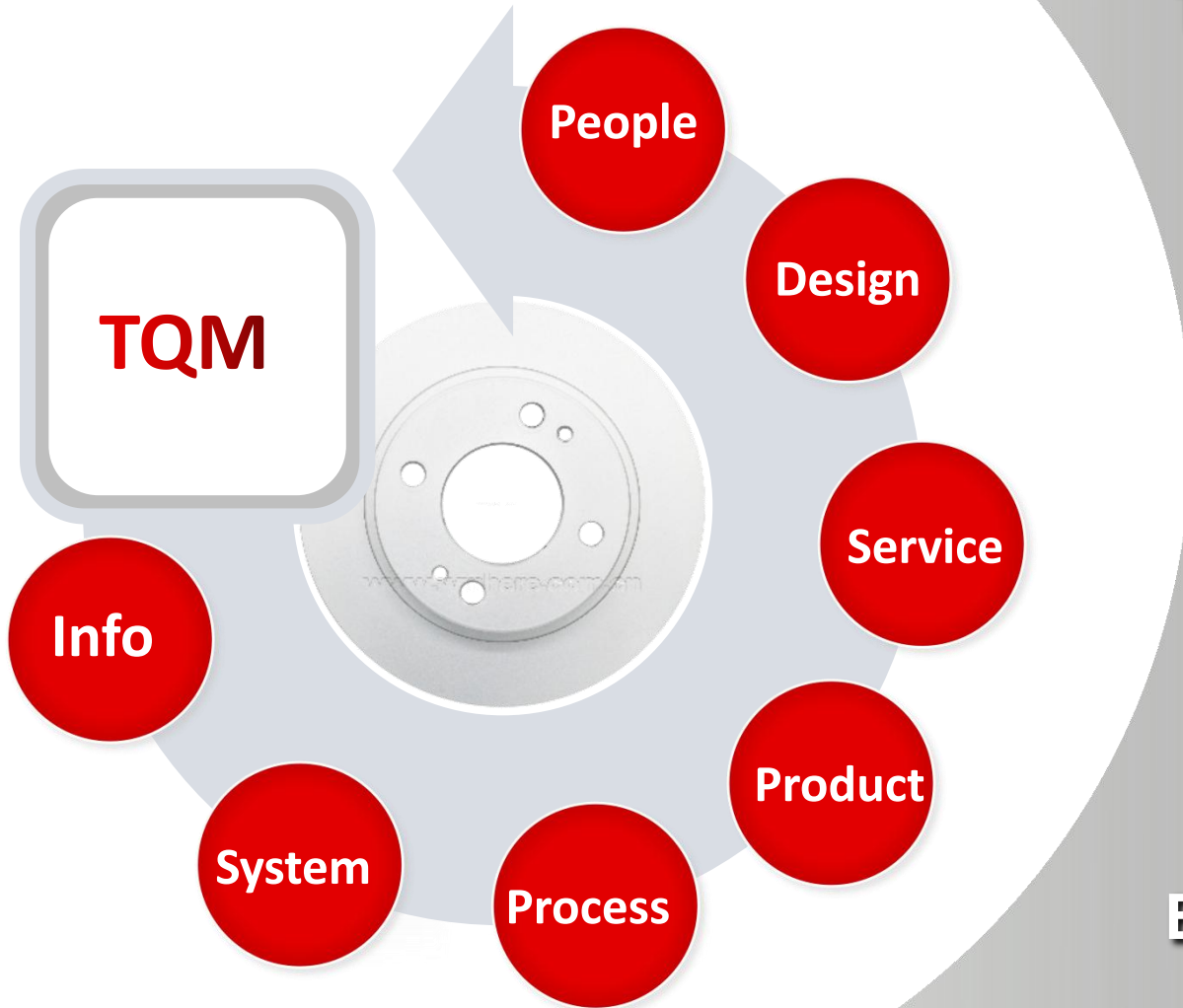


NEV Brake Pads

## Three main formula:

- ◆ **Semi-metallic**  
Steel fiber, iron powder  $\geq 30\%$  (weight ratio)
- ◆ **Low steel**  
30% >steel fiber, iron powder > 0% (weight ratio)
- ◆ **Ceramic or NAO**  
No steel fiber and iron powder  
Including aramid fiber,ceramic fiber,Potassium titanate,metal sulfide and non-ferrous metals.

# Total Quality Management



**Top Management Involvement**

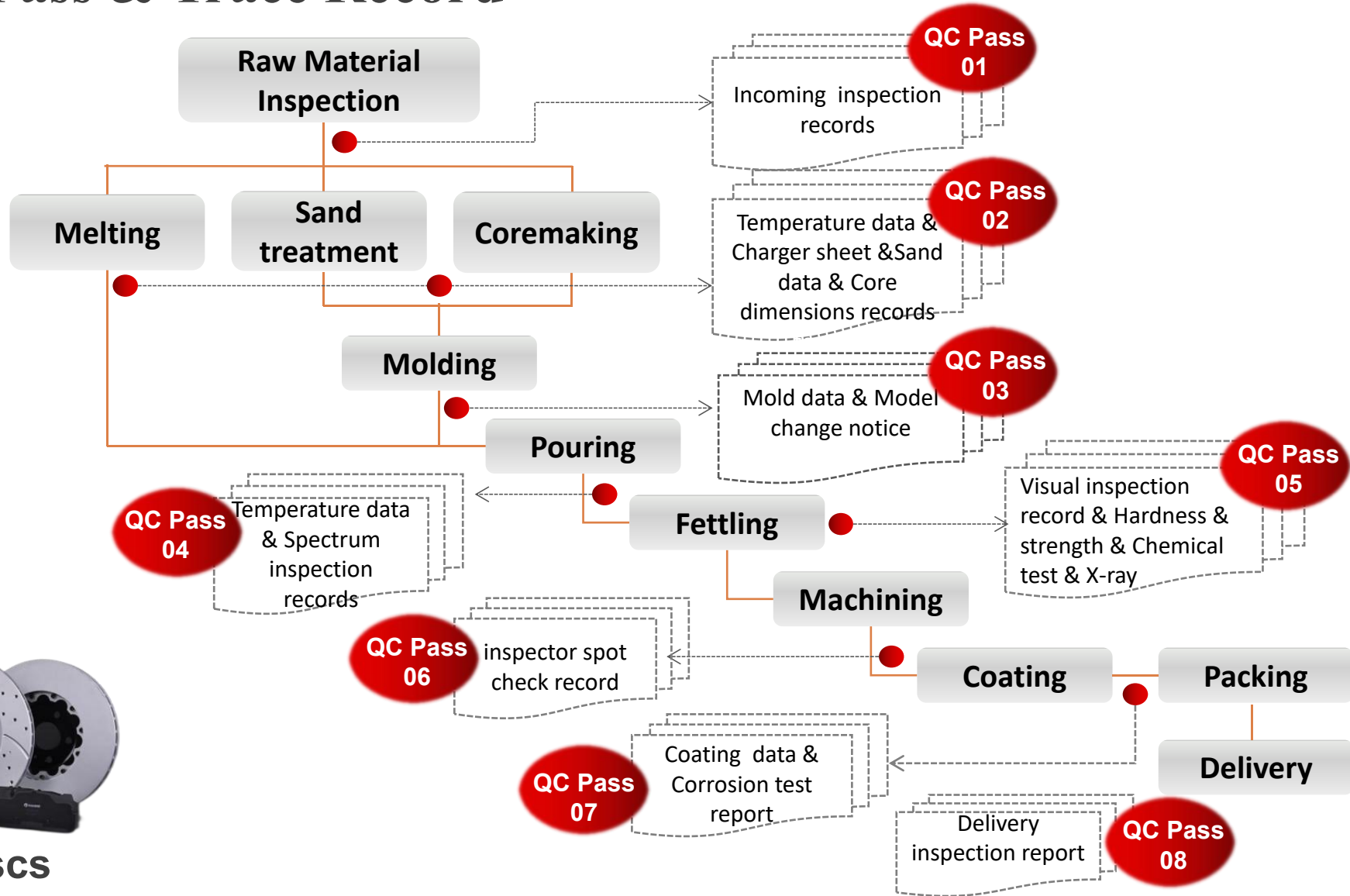
**Focus on Customers**

**Focus on Employees**

**Continuous Improvements**

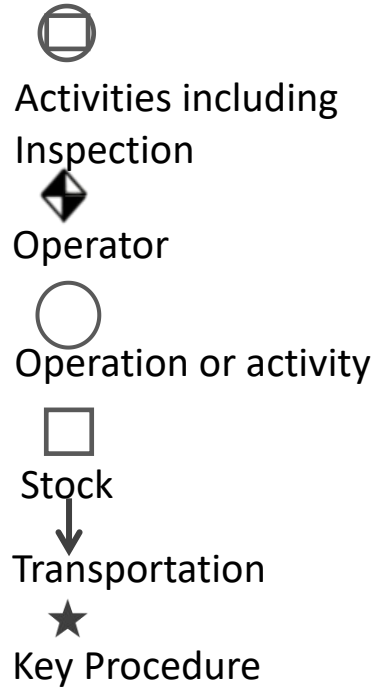
**Everybody's Participation**

# Quality Pass & Trace Record

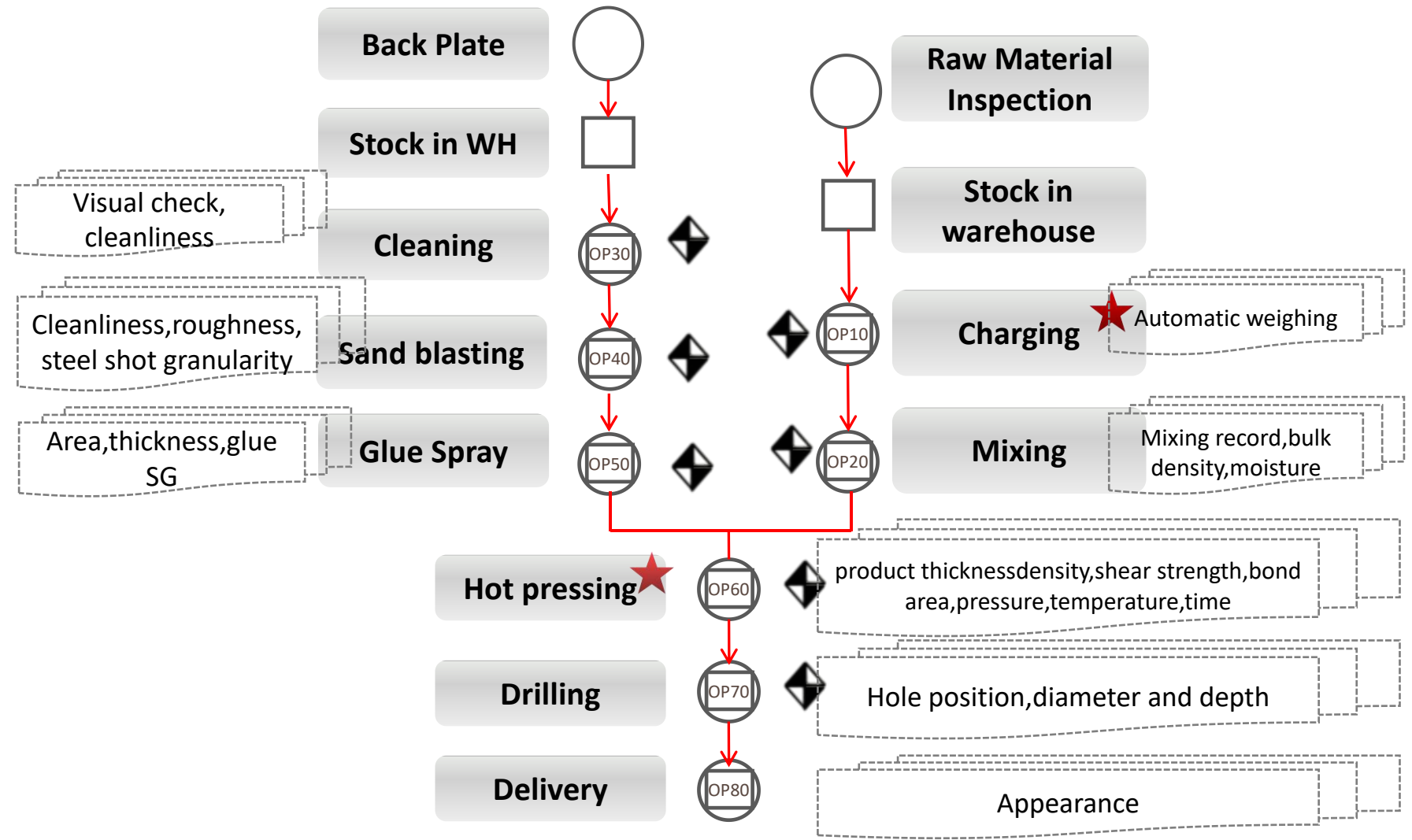


Brake Discs

# Quality Pass & Trace Record



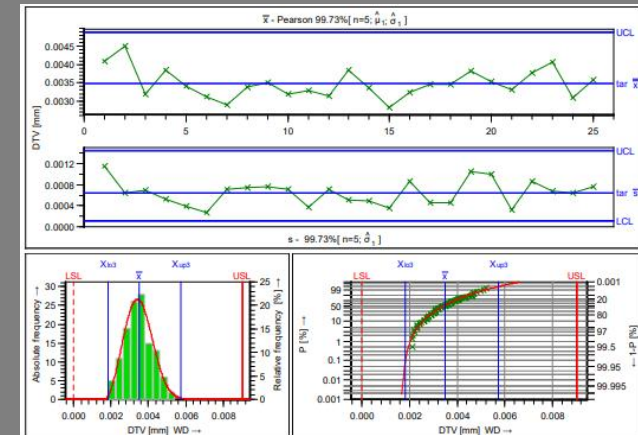
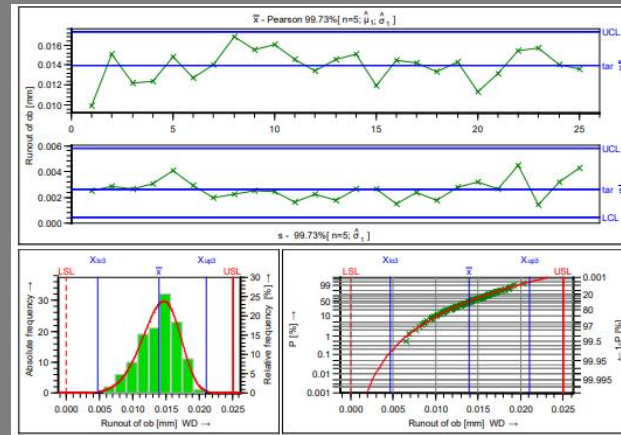
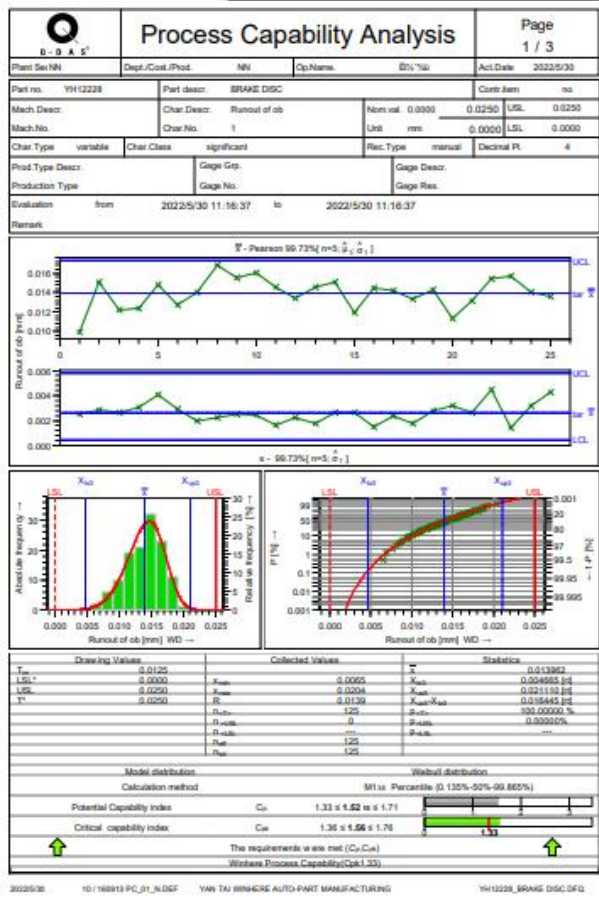
Brake Pads



# Products Introduction - QC

## Process Stability Control

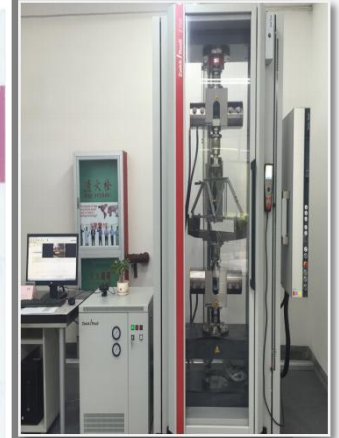
Strict control on process and keep stability on key parameters.  
100% sampling inspecion of runout, DTV ect.



# Products Introduction - Brake Discs Testing

**Quality**

Touch-Rich pays attention to the testing of product quality and has the industry-leading laboratory and testing equipment. The testing runs through the whole process of product production to ensure the stability of the process, so as to ensure the product quality.

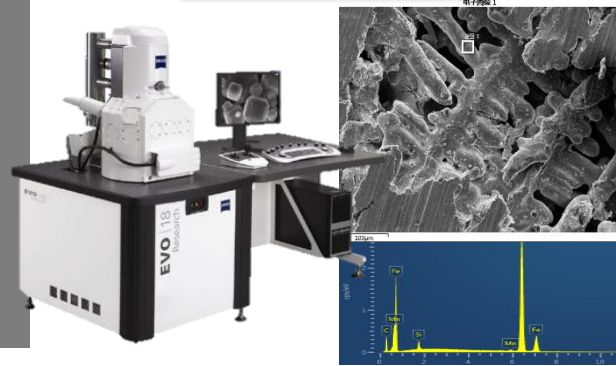


# Products Introduction - Brake Pads Testing

**XRF-Thermofisher**



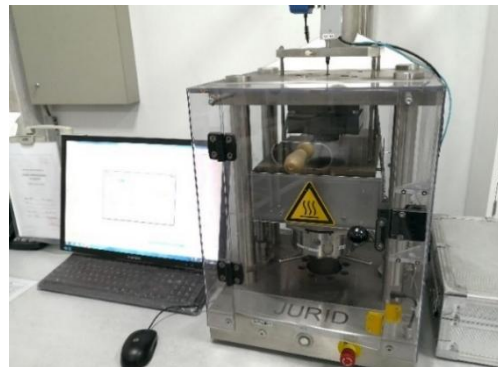
**SEM+EDS-Zeiss**  
扫描电镜+能谱仪



**Micromeritics**  
True Density tester  
真密度仪



**Optical Tensiometer**  
接触角仪



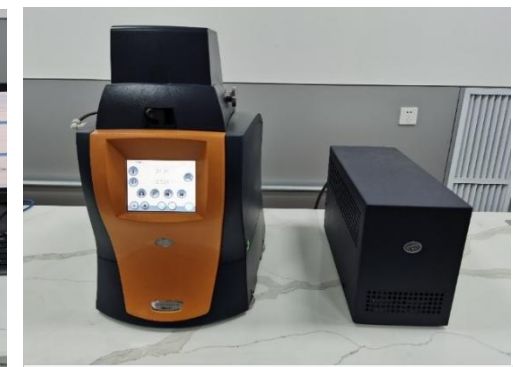
**Compressibility tester-**  
JURID压缩性能试验机



**Marvin Laser particle size**  
analyzer激光粒度分析仪




**TGA & DSC-TA**  
热失重&差示扫描量热仪



**DMA-TA动态热机械分析仪**

# Products Introduction – Certificates

 **Kraftfahrt-Bundesamt**  
DE-24632 Flensburg

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**MITTEILUNG**  
ausgestellt von: **Kraftfahrt-Bundesamt**

über die Genehmigung für eine Ersatz-Bremscheibe oder eine Ersatz-Bremsstrommel nach der Regelung Nr. 90 einschließlich der Änderung 02.

**COMMUNICATION**  
issued by: **Kraftfahrt-Bundesamt**


concerning approval granted of a replacement brake disc or a replacement brake drum pursuant to Regulation No. 90 including amendment 02.

Nummer Approval: **E1 90 R - 02 C0001/0001**

- Name und Anschrift des Antragstellers.  
Applicant's name and address:  
Yantai Winhere  
Auto-Part-Manufacturing Co.,Ltd.  
CN-264006 YAN TAI CITY
- Name und Anschrift des Herstellers.  
Manufacturer's name and address:  
Yantai Winhere  
Auto-Part-Manufacturing Co.,Ltd.  
CN-264006 YAN TAI CITY
- Marke und Typ der Bremscheibe/Bremsstrommel:  
Make and type of brake disc/drum.  
Handelsmarken - makes:  
**WINHERE**  
Typ - type:  
EP11W001111  
Ausführung - variant:  
YK276

**Certificate**

Standard **ISO 14001:2015**  
Certificate Registr. No. **01 104 021292**

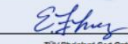
Certificate Holder:  
  
Yantai Winhere Auto-Part Manufacturing Co., Ltd.  
No. 80 Taishan Road, Eco. & Tech. Development Zone,  
Yantai City, 264006 Shandong, P. R. China




including the locations according to annex

Scope: **Design, Manufacturing and Sales of Brake Rotors, Brake Drums, Brake Pads and Brake Shoes**

Proof has been furnished by means of an audit that the requirements of ISO 14001:2015 are met.

Validity: **The certificate is valid from 2020-11-04 until 2023-11-03. It remains valid subject to satisfactory surveillance audits. First certification 2003**

2020-09-09   
TÜV Rheinland Cert GmbH  
Am Grauen Stein · 51105 Köln

www.tuv.com    Precisely Right.

**Certificate**

Standard **IATF 16949:2016**  
(1st edition, 2016-09-01)  
Certificate Registr. No. **01 111 89 250/01**  
IATF Certificate No. **0426978**

Certificate Holder: **Yantai Winhere Auto-Part Manufacturing Co., Ltd.**  
No. 80 Taishan Road, Eco. & Tech. Development Zone,  
Yantai City, 264006 Shandong, P. R. China

With extended manufacturing site(s) and remote location(s) according to annex

Scope: **Design, Manufacturing and Sales of Brake Rotors, Brake Drums, Brake Pads and Brake Shoes**

Proof has been furnished by means of an audit that the requirements of IATF 16949:2016 are met.

Validity: **The certificate is valid from 2021-09-28 until 2024-09-27.**

Release date: **2021-09-29**   
TÜV Rheinland Cert GmbH  
Am Grauen Stein · 51105 Köln  
Germany · 0490

 2400-GMC/01003 1/3

www.tuv.com  Precisely Right.

**Certificate**

Standard **ISO 45001:2018**  
Certificate Registr. No. **01 113 023532**

Certificate Holder:  
  
Yantai Winhere Auto-Part Manufacturing Co., Ltd.  
No. 80 Taishan Road, Eco. & Tech. Development Zone,  
Yantai City, 264006 Shandong, P. R. China

including the locations according to annex

Scope: **Design, Manufacturing and Sales of Brake Rotors, Brake Drums, Brake Pads and Brake Shoes**

Proof has been furnished by means of an audit that the requirements of ISO 45001:2018 are met.

Validity: **The certificate is valid from 2020-11-04 until 2023-11-03. It remains valid subject to satisfactory surveillance audits. First certification 2003**

2020-09-09   
TÜV Rheinland Cert GmbH  
Am Grauen Stein · 51105 Köln

www.tuv.com    Precisely Right.



# National Standard of Brake Disc Drafting

- ◆ The only responsible drafting company for National Standard of “Brake Disc for Automobile” (GB/T 34422-2017)
- ◆ The lead and main drafting company for professional standard “Product specifications and test methods for brake disc for PV” &” Product specifications and test methods for brake disc for commercial vehicles and trailer”




## AMECA Brake Parts

- ◆ AMECA approval on front/rear Dodge Charger
- ◆ 24 part numbers in AMECA program



### CONFORMITY REPORT LISTING OF APPROVED PRODUCTS

2014-2019 Dodge Charger Police (Continued)									
Supplier	Report number	Part number	Edge code	Axle	Pad	Rotor	Kit	Report date	Expiration date
Winhere Brake Parts	104158-16-1	YH21784-P	n/a	Front		✓		9/1/2020	9/1/2025
Winhere Brake Parts	104158-21-1	YH20682-P	n/a	Rear		✓		9/1/2020	9/1/2025



**Winhere Brake Parts**

**Supplier's declaration of conformity**  
In accordance to LINK's Police Laboratory Brake Evaluation Program

Notification number: 104158-16-1      Date issued: 9/01/2020  
Expiration date: 9/01/2025

Supplier's name: Winhere Brake Parts, Inc.		Supplier's address: 1331 Schiferl Road Bartlett, IL 60103		
Vehicle application: Dodge Charger		Model year coverage: 2014-2019		
Part number:	FMSE:	Edge code:	Description:	Axle:
YH21784-P	D1767	N/A	Police Duty Disc	Front

The object(s) of the declaration of conformity described above is (are) in conformity with the requirements of the following documents:

Test method	Description	Criteria
Link EVOC	Evaluation of friction behavior and structural integrity	90% braking within 0.04 g during handling and pursuit cycles At least 90% structural integrity of brake pads Less than 4 mm backing plate permanent deformation At least 2 mm remaining friction material thickness post-test Meet rotor minimum thickness per OE rotor stamp
Dynamometer Performance	Evaluation of predicted stopping distance using SAE J2784:2009 test results	Meet Link-CA criteria for predicted vehicle stopping distance during (a) effectiveness sections, (b) failed power unit section, and (c) fade heating snubs
Dynamometer Wear Evaluation	Evaluation of Link USCT wear	Estimated pad mileage (based upon the lower of the inner and outer pad shifts 2-5) to be greater than 15000 miles or within 80% of OE
Dynamometer Squeal Noise	Evaluation of squeal noise propensity using SAE J2521:2013 results	Not less than one ranking below the OE per VDA 306 or a ranking of A or better
Friction behavior assessment (audit)	Evaluation of friction coefficient level and stability using ISO 26867:2009	Average coefficient within 15% of declared value Minimum and maximum coefficients above declared values
Dynamometer Rotor Crack Evaluation	Evaluation of crack generation and propagation per SAE J2926:2012 results	One rotor completing 150 cycles

Additional information: Individual reports available upon request from supplier's representative

Signed by supplier's representative: *[Signature]*      Signed by Technical reviewer's representative:



# Core Competitiveness

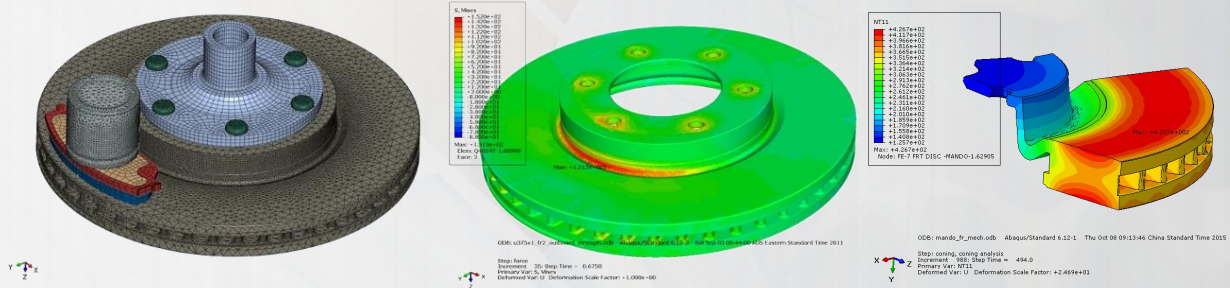
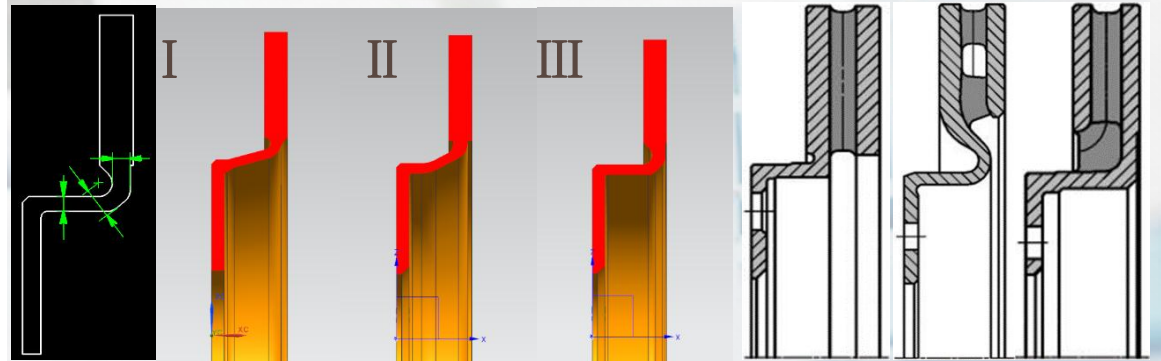
- R&D
- Awards
- Philosophy
- Winhere Strengths



# Research & Development

## Products Development

Optimization  
Different Shapes



**CAE-Computer Aided Engineering**  
For Designing High-Quality Products  
NVH  
Strength and Durability  
Thermal and thermo-mechanical

## Dynamometers Tests

- LINK3900 X4
- LINK3000 X3
- LINK6900 X1
- LINK2900X1
- Model Tester X1



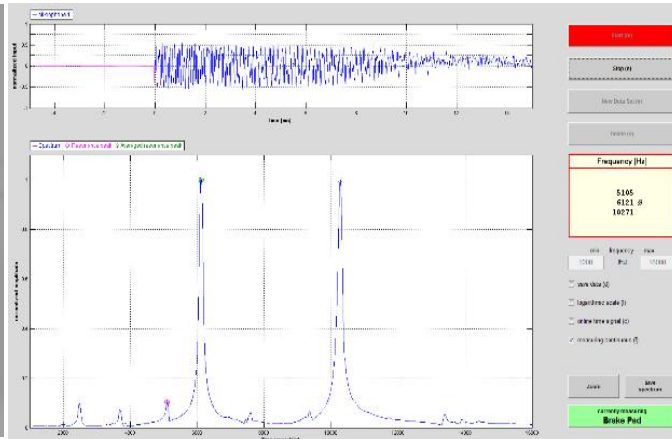
# Research & Development

## Products Development

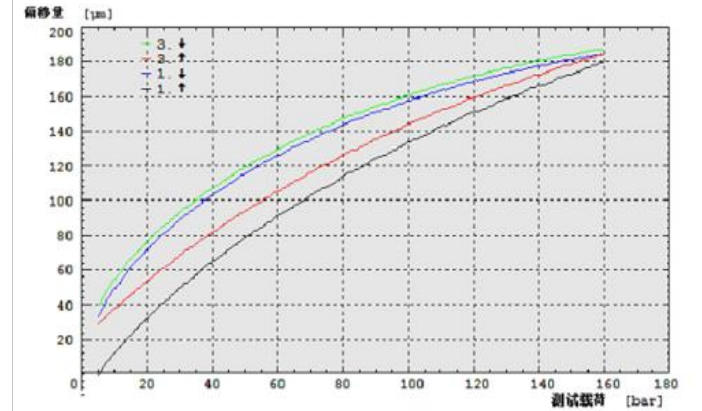
Optimization  
Different Formula



Nature  
Frequency

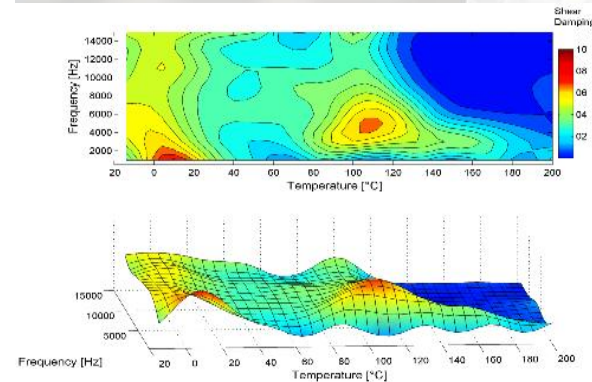


Compressibility:  
Noise  
Braking Performance



Shim Select

Noise and Performance



# Research & Development

Winhere have applied for 54 patents at home and abroad for the product and process design, published 11 papers in SAE / Eurobrake and other high-end forums, and participated in the formulation of brake disc national standard of wedge strength test standard.

	Patent	Academic Papers	National and professional Standards
Amount	54	12	8
Issuer	CNIPA/USPTO/PCT	EuroBrake/SAE/China Foundry	SAC
Country and area	CN/NA/Europe	Euro/NA/CN	CN



# AWARDS



Awards from customers on quality, service, shipping, cooperation etc.

# AWARDS

Awards from industries on production and environment protection.

## China Foundry Association

China Foundry Association presented Winhere  
“China Manufacturing Award for Excellent  
Production” 3 times in 2012、2017、2020.



## China M.I.I.T

China Ministry of Industry and information Technology published the list of “China National Green Manufacturers” in Feb. 2018. Winhere is **the only one** in brake disc industry.

# PHILOSOPHY

## Quality

Responsible for customers



**Winhere is satisfied only when our customers&employees&society are all satisfied.**

## Lean

Responsible for employees



Air cleaning system

## Environment

Responsible for society



Apartment for Winhere Employees



CSP System in parking lot

# Touch-Rich STRENGTHS

## Products

Quick Development  
Strong Catalogue Support  
R90 Homologated

## Excellent Service

Quick Response  
No Time Difference  
Sales Support

## Quality

Professional in Producing  
Advanced Equipment  
QC Management

## Supply Chain

Risk Resistance  
Production Capacity  
Partnership with Carriers

