

山东鲁达轿车配件股份有限公司

SHANDONG LUDA AUTO PARTS CO.,LTD



品质Quality 高效 High Efficiency

Factory Introduction



Foundation

In 1994

Location

**Laizhou City,
Shandong Province,
China**

Area

**410,000
square meters**

Employee

**About 1700
employees**

Shandong Luda Auto Parts was founded in 1994 which is one of the biggest manufacturers in the world. The company specializes in the production of automotive brake discs and drums, with over 6000 models, integrating R&D, production and sales. It is located in Laizhou City, Shandong Province and covers an area of 410,000 square meters and has about 1700 employees.

History



History 1994-2014

Company was founded.
Business was initiated from US Market.

Change 2015-2016

Automatic foundry process was launched.
ISO14001/OHSAS18001 Stuff Welfare was launched.

Improvement 2017-2018

Robots process for machining and coating/ painting were launched.
Foundry workshop III with Disa lines was launched.

Innovation 2019

Intelligent,automatic,environmental process and equipments were launched for all foundry workshops.
Robotic processes were launched for both foundry machining workshops.
Sales reached over 10 Millions pieces in 2019.

High-quality development 2020-2022

Foundry workshop IV was founded.
New investment of 50 machining lines.
Sales reached over 20 Millions pieces.

Planning for future 2023-2024

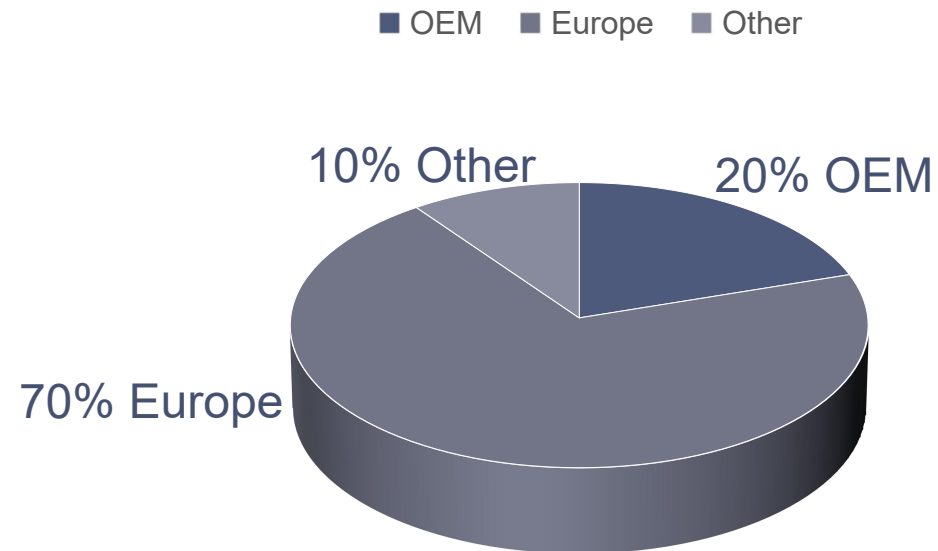
Machining workshop have 136 automatic production lines in 2023.
Production capacity will be more than 30 million pieces by 2024.

Business Distribution



The products are sold to various parts of the world, including North America, South America, Europe, Southeast Asia, Africa, and Australia.

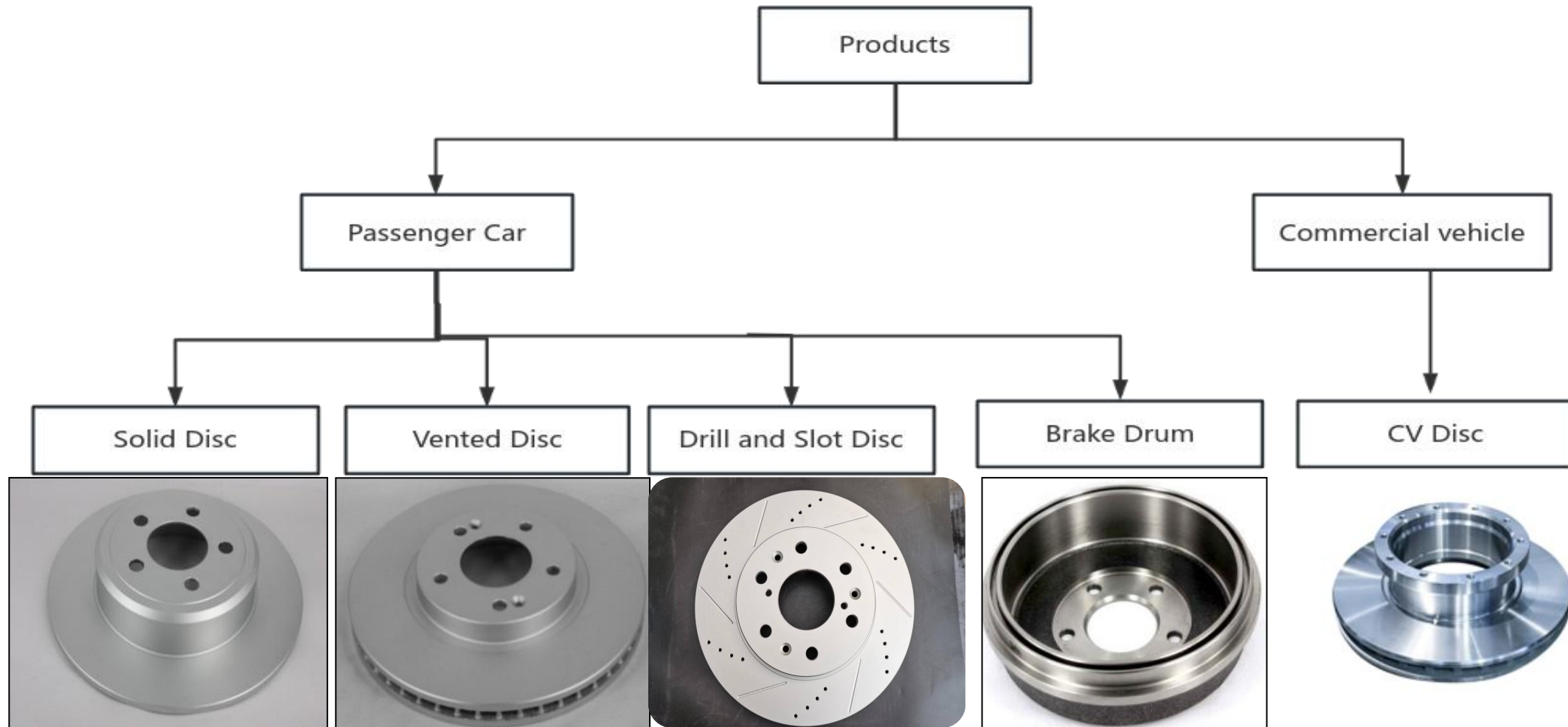
Business Distribution



80% for IAM market / private label business. 20% for OEM Chinese Vehicles.

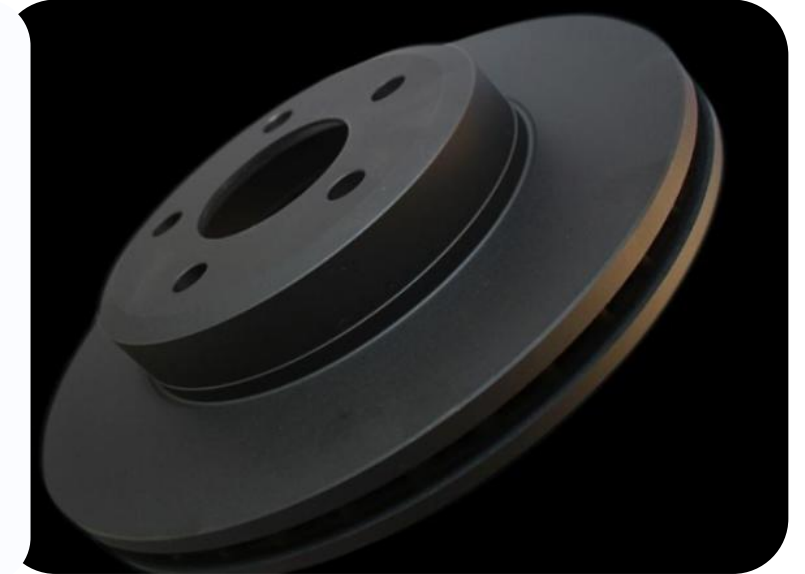
Product Information

Brake drum/discs production capacity is 30 Millions pieces/Year



Product Information

Regarding the appearance of the product, we can do partial painting or full coating.



Product Design and Development



Luda has professional technology research and development personnel and a well-equipped technology center. It can independently design and develop original vehicle products based on vehicle parameters.

Equipment of Foundry Workshop



Sinto Molding Lines

- Advanced /Automatic molding process
- High efficiency/computer control
- Comformance of molding /casting process



Eirich Sand Mixer

- Erich Vacuum sand mixer process from Germany
- High quality control of sand preparing process
- Environmental process



Laempe Sand Core Maker

- Laempe sand core maker process
- High production efficiency
- Stablity of production
- High quality control



Automatic Stock Molds Managements

- Standard of molds management
- Automatic control and delivery of molds
- Intelligent management of molds maintenance

Process of Foundry Workshop

The Sand Core Marking Workshop



The Melting Workshop



Process of Foundry Workshop— Disa Lines and Sinto Lines

The Foundry workshop has 14 Molding lines.

3 Disa lines, in Foundry workshop III.

The casting capacity of each 3 Disa lines is 60,000 pieces/day.

11 Sinto lines, in Foundry workshop I, II, IV.

The casting capacity of each 3 Sinto lines is 20,000 pieces/day.

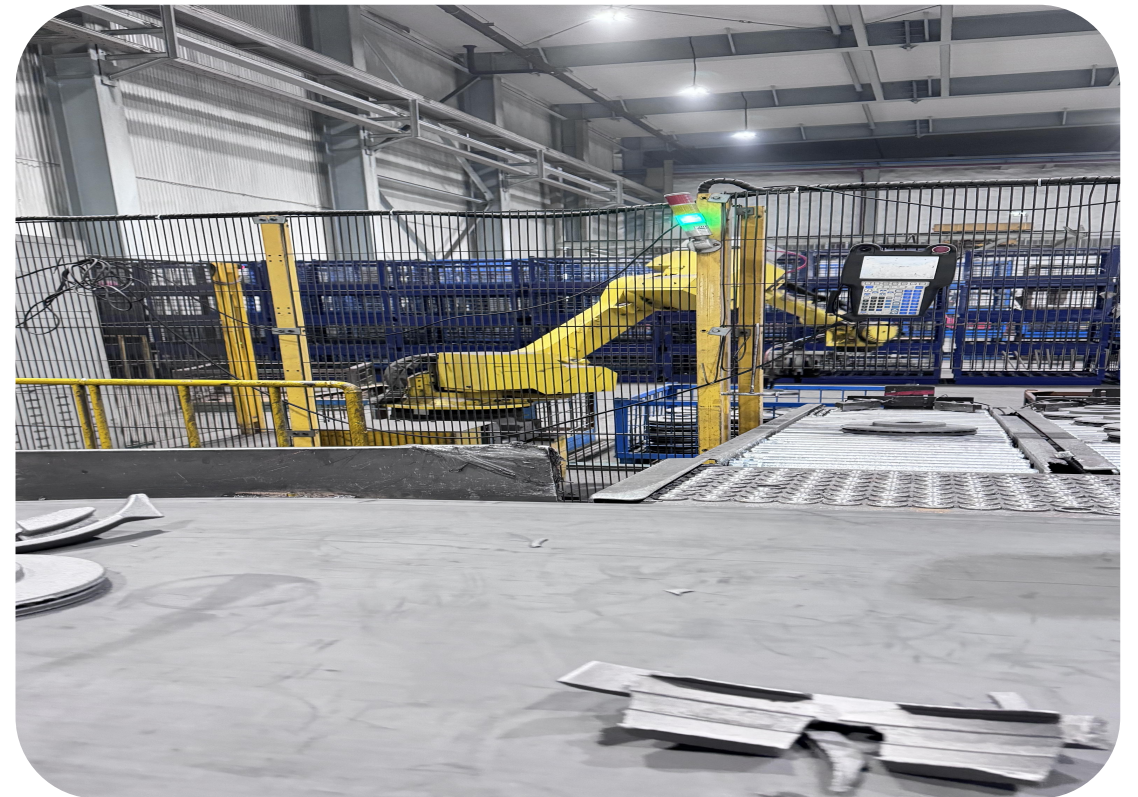


Disa Lines



Sinto Lines

The Shot Blasting and Cleaning Workshop



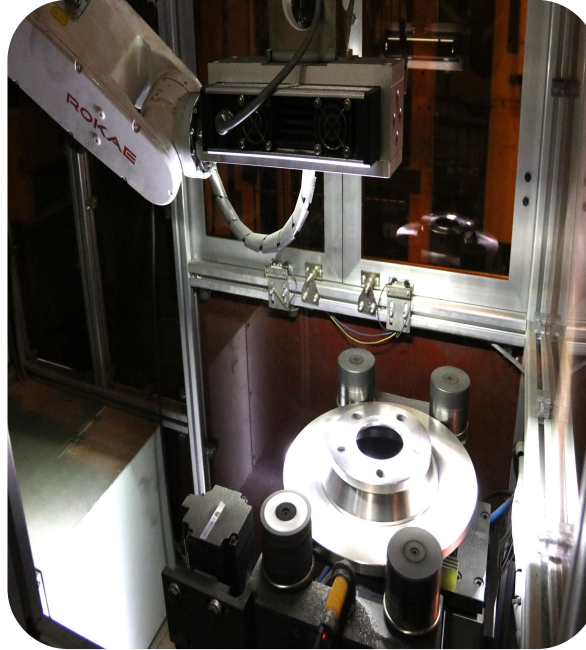
Process Of Machining Workshop



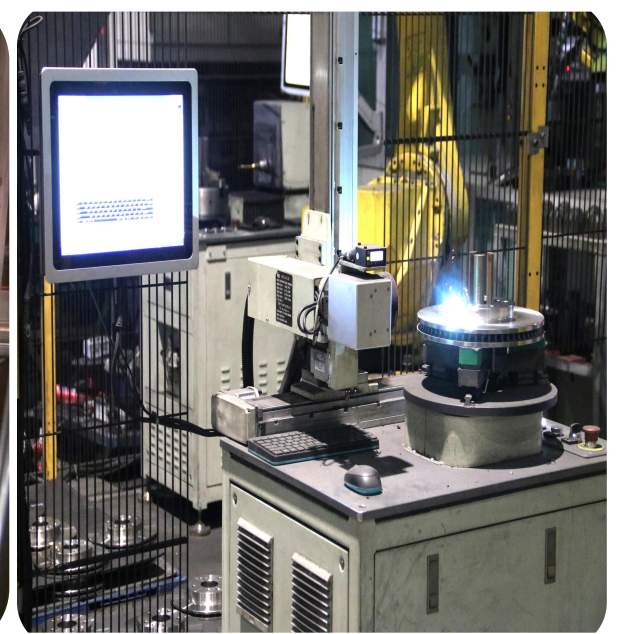
Improvement to Automatic Robots process from 2018



Computers control machining specification inspection on lines



Automatic appearance detection



Automatic Balance process and Edge mark

Painting/Coating Process

Automatic process for Full coating /partial painting products.



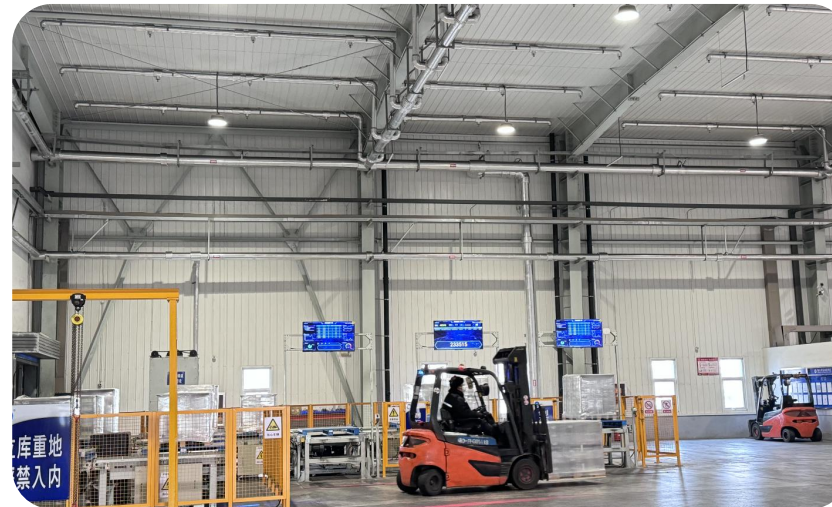
Automated Warehouse

The warehouse realizes the automatic.

Entering Warehouse



Delivery of goods from Warehouse



Lab Introduction and Material Test/Specification Inspection Process



Dynamic test for samples as ECER90 procedure/Thermal Fatigue test.



Equipped with X-ray inspection machines for OEM products.

Lab Introduction and Material Test/Specification Inspection Process



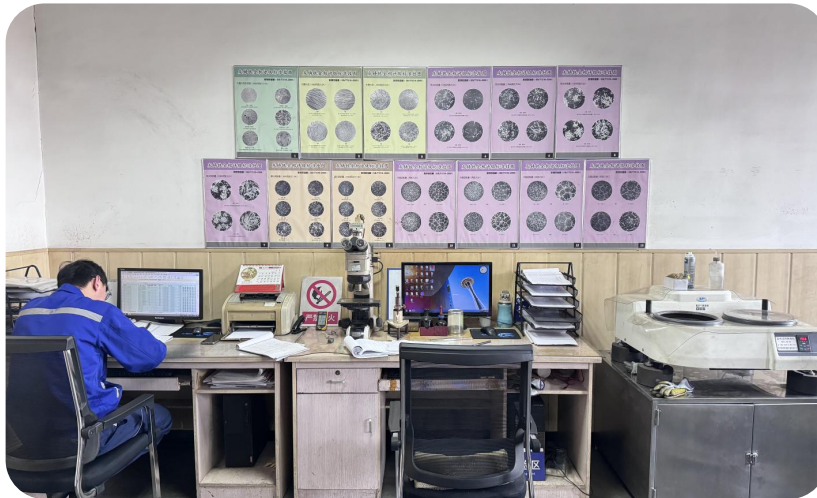
lab inspection
on sand



Hardness
Inspection



Microstructure




Tensile
Strength
Test




Certificates

IATF 16949 TUV

Certificate	
Standard	IATF 16949:2016 <small>(1st edition, 2015-10-01)</small>
Certificate Registr. No.	01 111 056851
IATF Certificate No.	0489805
Certificate Holder:	Shandong Luda Auto Parts Co., Ltd. No. 258 Zhuwangqian Road, Economy Development Zone, Laizhou City, 261411 Shandong P.R. China
IATF USI:	G2KMFL
Scope:	Design and Manufacturing of Brake Discs, Brake Drums
Validity:	Proof has been furnished by means of an audit that the requirements of IATF 16949:2016 are met. The certificate is valid from 2023-11-28 until 2026-11-27.
Release date:	2023-11-29
 24AD-QMC 01003	

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ISO 14001

Certificate	
Standard	ISO 14001:2015
Certificate Registr. No.	01 104 056851
Certificate Holder:	Shandong Luda Auto Parts Co., Ltd. No. 258 Zhuwangqian Road, Laizhou Economy Development Zone, Laizhou City, 261411 Shandong P.R. China
Scope:	Design and Manufacturing of Brake Discs, Brake Drums
Validity:	Proof has been furnished by means of an audit that the requirements of ISO 14001:2015 are met. The certificate is valid from 2023-02-06 until 2026-02-05. It remains valid subject to satisfactory surveillance audits. First certification 2017
2023-01-28	
 TÜV Rheinland Cert GmbH Am Grauen Stein - 51105 Köln	
Authorized responsible office: TÜV Rheinland China Ltd., Room 301, 3F and Room 1203, 12F, Building 4, No.15, Ronghua South Road, Beijing Economic-Technological Development Area, Beijing (Yizhuang group in high-end industrial area of Beijing Pilot Free Trade Zone), 100176, P. R. China	

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ISO 45001

Certificate	
Standard	ISO 45001:2018
Certificate Registr. No.	01 213 056851
Certificate Holder:	Shandong Luda Auto Parts Co., Ltd. No. 258 Zhuwangqian Road, Laizhou Economy Development Zone, Laizhou City, 261411 Shandong P.R. China
Scope:	Design and Manufacturing of Brake Discs, Brake Drums
Validity:	Proof has been furnished by means of an audit that the requirements of ISO 45001:2018 are met. The certificate is valid from 2023-02-06 until 2026-02-05. It remains valid subject to satisfactory surveillance audits. First certification 2020
2023-01-28	
 TÜV Rheinland Cert GmbH Am Grauen Stein - 51105 Köln	
Authorized responsible office: TÜV Rheinland China Ltd., Room 301, 3F and Room 1203, 12F, Building 4, No.15, Ronghua South Road, Beijing Economic-Technological Development Area, Beijing (Yizhuang group in high-end industrial area of Beijing Pilot Free Trade Zone), 100176, P. R. China	

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Certificates

COP Certificate and E1 for PC,E11 for CV

**Vehicle
Certification
Agency**



Conformity of Production Compliance Statement

VCA as the Type Approval Authority for the United Kingdom has conducted an assessment of the quality systems and the relevant control plans to verify compliance with Schedule 1 of Revision 3 of the E/CE/TRANS/505 Agreement done at Geneva on 20 March. The assessment was conducted in accordance with the requirements of this Regulation.

This Compliance Statement is issued to:

Shandong Luda Auto Parts Co. Ltd
No. 258 Zhuwangqian Road
Laizhou Economic & Technology Development Zone
Laizhou City
Shandong 261411
China

Date of Issue: 30 June 2023 **Areas assessed:** See Annex
Date of Expiry: 30 June 2024 **Clearance Scope:** See legislation table
Registration Number: VCB600489 **Vehicle Categories:** Not applicable
Component Range: ECE R90 Replacement Brake Discs
Assembly sites: See overleaf **Planned date of monitoring visit:** 3 Months
Prior to Expiry of Clearance.

Signed for and on behalf of Vehicle Certification Agency

CMCable

By authority of the Chief Executive

This Compliance Statement is issued by and is the property of the Vehicle Certification Agency,
1 The Eastgate Office Centre, Eastgate Road, Bristol BS5 6AX, UK and is to be returned on formal request


**UK
Vehicle
Certification
Agency**

COP-E-CL-49 Rev 0 ECE R90 Compliance Statement Page 1 of 4 30-Jun-23

**Vehicle
Certification
Agency**

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED ⁽¹⁾ ~~APPROVAL EXTENDED~~ ⁽²⁾ ~~APPROVAL REFUSED~~ ⁽³⁾ ~~APPROVAL WITHDRAWN~~ ⁽⁴⁾ ~~PRODUCTION DEFECTIVELY DISCONTINUED~~ OF A REPLACEMENT BRAKE LINING ASSEMBLY OR REPLACEMENT DRUM BRAKE LINING PURSUANT TO REGULATION NO. 90/02

 Approval No.: 90R-G2A0817/3/1927

Extension No.: Not Applicable

1. Applicant's name and address:
Laizhou Luda Brake Friction Co., Ltd.
258 Zhuwangqian Road,
Laizhou Economy & Technology Development Zone,
Shandong, China.
P.C.261411
2. Manufacturer's name and address:
Laizhou Luda Brake Friction Co., Ltd.
258 Zhuwangqian Road,
Laizhou Economy & Technology Development Zone,
Shandong, China.
P.C.261411
3. Make and type of brake lining assembly/drum-brake-lining⁽¹⁾: D1337-5448
4. Make and type of brake lining: C55
5. Vehicles/axes/brakes for which the brake lining assembly/drum brake lining type qualifies as original brake lining assembly/original drum brake lining⁽¹⁾: Not Applicable
6. Vehicles/axes/brakes for which the brake lining assembly/drum-brake-lining type qualifies as replacement brake lining assembly/replacement-drum-brake-lining type⁽¹⁾: See manufacturer's documents

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March 2017 Revision 5 Page 1 of 2

**UK
Vehicle
Certification
Agency**

30-Jun-23

**Kraftfahrt-Bundesamt**
DE-24152 Flensburg



MITTEILUNG

ausgestellt von:
Kraftfahrt-Bundesamt

über die Genehmigung
für eine Ersatz-Brems Scheibe 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 der Genehmigung: 02C01750001 Erweiterung –
Approval No.: Extension No.

1. Name und Anschrift des Antragstellers:
Applicant's name and address:
Shandong Luda Auto Parts Co., Ltd.
CN-261411 Laizhou P.R. China
2. Name und Anschrift des Herstellers:
Manufacturer's name and address:
Shandong Luda Auto Parts Co., Ltd.
CN-261411 Laizhou P.R. China
3. Marke und Typ der Brems Scheibe/Bremsstrommel:
Make and type of brake disc/drum:
Handelsmarken - make:
 LUDA
Typ - type:
LD9025478
Ausführungs - variant:
LD10249

品质

Quality

品质：是指产品品质和员工品质。

Quality of products .

Quality of our stuff or workers.

Quality is our core competitiveness.

高效

High Efficiency

高效：指精益和环境。

Efficiency should be considered as priority condition for running the company .

To protect environment and keep excellent working environment is always our priority pursuit.

Thank you!
Let's enjoy the plant tour!

