

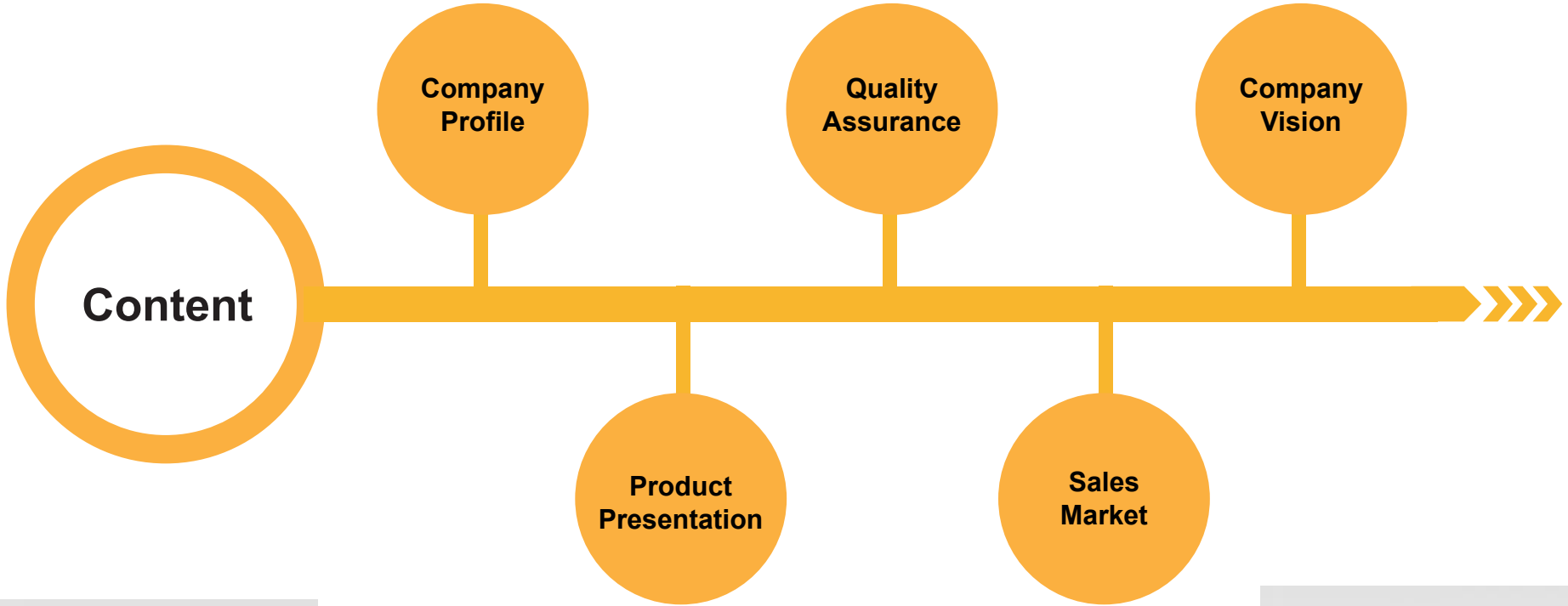
YAOLUN BRAKE PADS

- ▶ Fleet maintenance managers
- ▶ Extending maintenance schedules
- ▶ Overall cost-per-mile performance
- ▶ Emergency vehicles



衡水凯越刹车片有限公司
HENGSHUI KAIYUE BRAKE PAD CO., LTD





DISCOVER THE COMPREHENSIVE RANGE OF THE YAOLUN BRAKES.

GOOD QUALITY, GREAT COVERAGE AND THE SERVICE YOU WANT.

BRAKE PADS

- ✓ Great stopping distance
- ✓ Safety critical accessories included
- ✓ Anti-noise features

BRAKE DISCS

- ✓ Improved driver safety
- ✓ Good durability
- ✓ Match with Champion pads

SHOE KITS

- ✓ Easy and fast repair
- ✓ Wheel cylinder included
- ✓ Pre-adjusted regulator



ALL BRAKE PADS ARE IN-HOUSE PRODUCED.



Shijiazhuang Yaolun Technology Co., Ltd.,

- ✓ High quality manufacturer of Friction products
- ✓ Over 60 year heritage of friction material manufacture on the site
- ✓ Producer of Disc Brake Pads and Commercial Vehicle Brake Linings
- ✓ Fully accredited to TS16949, ECER90 and ISO9001
- ✓ In house process development and local testing capabilities



BEFORE YOU BUY NEW BRAKES, CHECK OUT THE REASONS WHY YOU SHOULD CHOOSE THE YAOLUN BRAKES.

If you get a quick start, you'll want a safe stop. That's why YAOLUN now offers brakes too. All brake pads are in-house engineered and manufactured. They can be fitted simply, quickly and economically. Plus, they have qualities that really make our products outstanding:

Excellent coverage

2000 pads offering 95%* car parc coverage.
490 discs offering 90%* car parc coverage.
1100 shoe kits offering 85%* car parc coverage.

Outstanding stopping distance

YAOLUN brakes give you the safe stop your customers need. When it comes to stopping distance, you can put your trust in Champion. Thanks to the high standards of production quality and product safety that exceed the licensing criteria of ECE R90 regulations.

Great performance, standard price

The performance of YAOLUN brakes are comparable to the braking performance of excellent brake pads. So you get high performance at a standard price. Now THAT is a great deal.

Brakes for almost every car out there

Through a large, assorted range with a wide selection for almost every car.

Simple identification

Just use the QR-code on the package. You'll get an quick overview of the right parts for your car.



The service pack – easy to change

Our brakes come with the necessary safety accessories, making it easy to change. Pads, discs and shoe kits for the front and the rear of the car, we've got them. So, Champion provides a matched solution with these simple-to-change brakes that will save you a lot of time.



Product Presentation - Product Types and Series

Apply to passenger car, commercial vehicle and construction machinery.



Product Presentation - Product Types and Series

Suitable for passenger cars,
taxis, heavy vehicles

Application: Japanese, German, French, American cars, etc and cover 97% of the domestic and overseas market



Production Lines	Current Production Capacity/PCS	spare capacity %	Increasing product lines and finished time	Production Capacity with increased production lines
4	3 million	30%	1 line time: At the end of Oct.2022	4 million

Product Presentation - Product Types and Series

No noise, No dust, No disk disc,
High temperature
resistance, Copper-containing
ceramic material



Formulation
is our most
popular ceramic
formulation,
Many important
materials are
adopted in this
formula, e.g.:
Artificial
Graphite from
ASBURY, **Kevlar**
from **DuPont**
(USA), **friction**
powder from
Cardolite (USA).
This formula
already passed
LINK SAE
J2521 and SAE
J2430 test.



Brake Pad Accessories

Automobile sub-pump used to fix the position of the brake pads



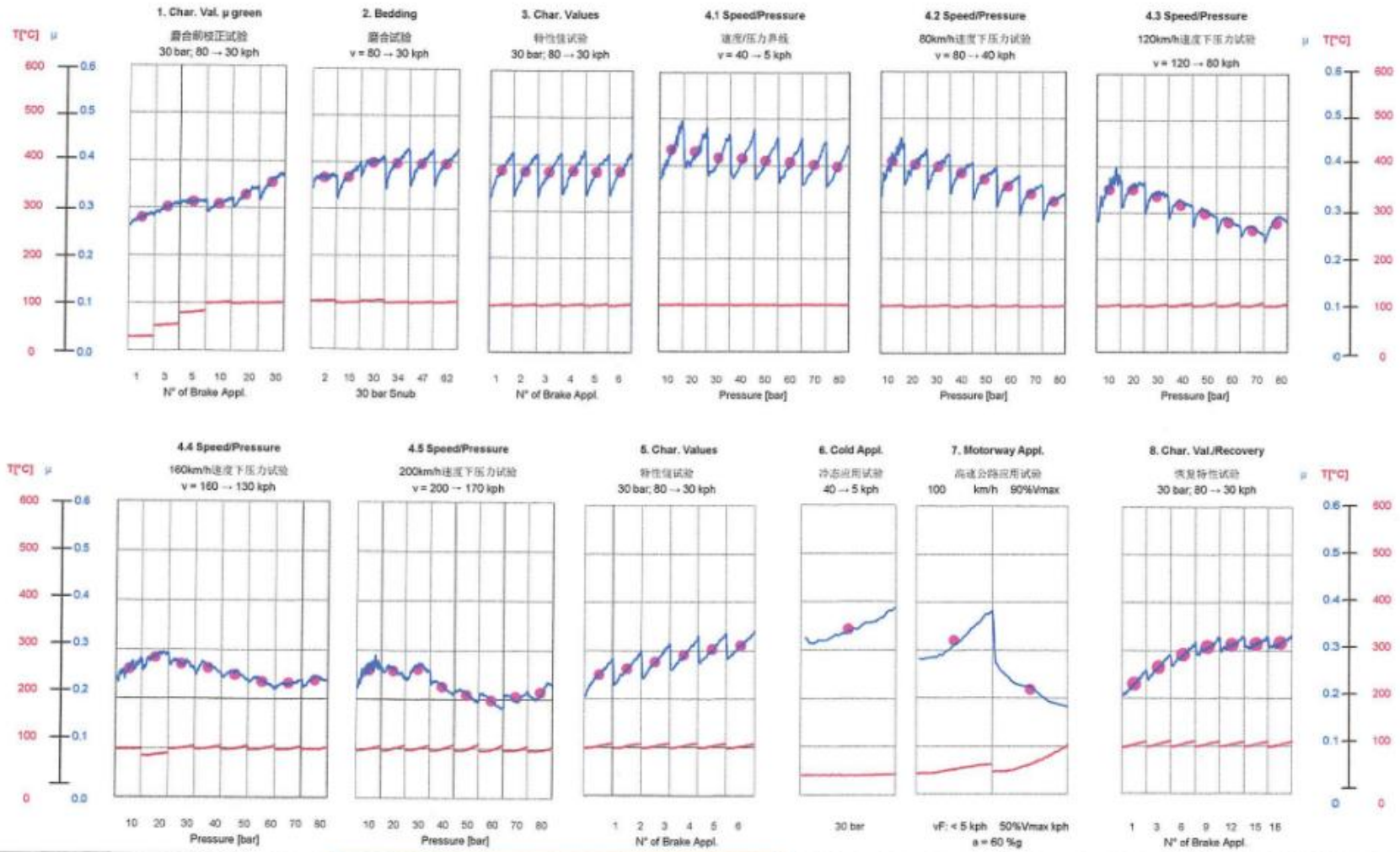
Alarm line



High-performance rubber sound-absorbing sheet

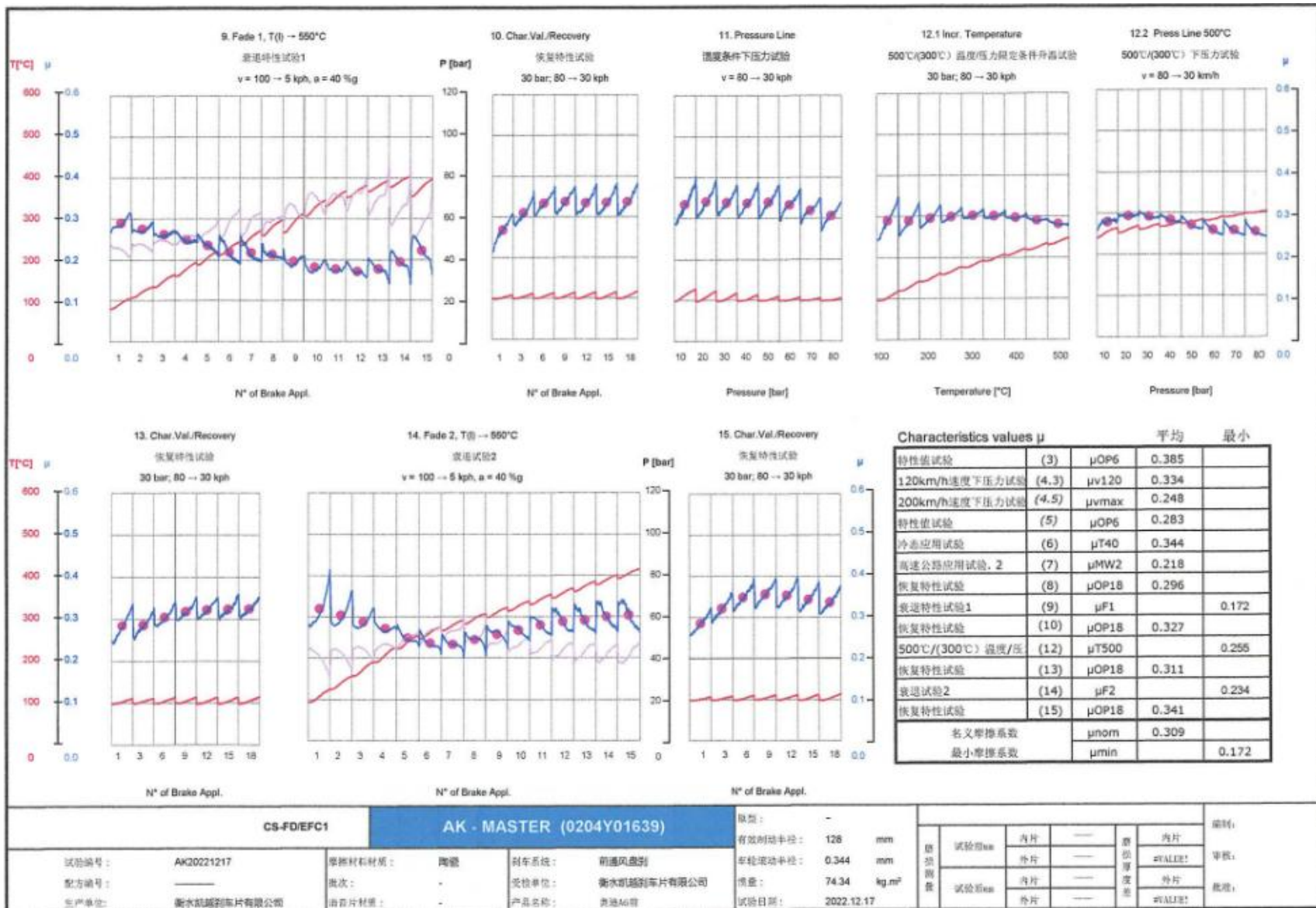


Brake Pad Inertia Bench Tester Test Report



CS-FDIEFC1		AK - MASTER (0204Y01639)		型号:	-				编制:
试验编号:	AK20221217	摩擦材料材质:	陶瓷	副车系统:	普通风盘刹	有效制动半径:	128	mm	内片
配方编号:	-----	批次:	-	受检单位:	衡水凯越刹车片有限公司	车轮滚动半径:	0.344	mm	外片
生产单位:	衡水凯越刹车片有限公司	消音片材质:	-	严基名称:	英迪66君	质量:	74.34	kg·m ²	内片
				试验日期:	2022.12.17	试验前质量:	试验后质量:	内片	=VALUE!
						外片	外片	=VALUE!	审核:
								外片	批准:

Brake Pad Inertia Bench Tester Test Report



CS-FDEFC1

AK - MASTER (0204Y01639)

取型: -

有效制动半径: 126 mm

车轮滚动半径: 0.344 mm

质量: 74.34 kg.m²

试验日期: 2022.12.17

试验编号: AK20221217

配方编号: -

生产单位: 衡水凯越刹车片有限公司

摩擦材料材质: 陶瓷

批次: -

摩擦片材质: -

刹车系统: 前通风盘刹

采购单位: 衡水凯越刹车片有限公司

产品名称: 奥迪A6前

磨擦副	试验组1		试验组2	
	内片	外片	内片	外片
磨擦副厚度	—	—	—	—
磨擦副面积	—	—	—	—

编制:

审核:

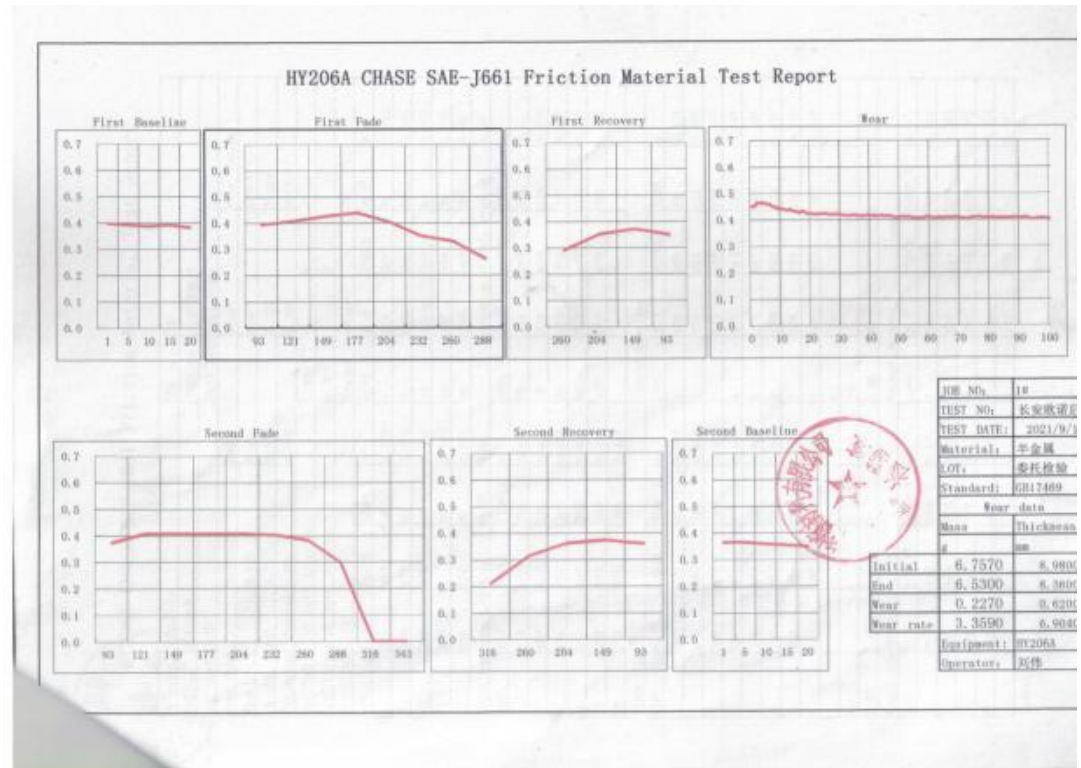
批准:

Product Presentation - Product Types and Series

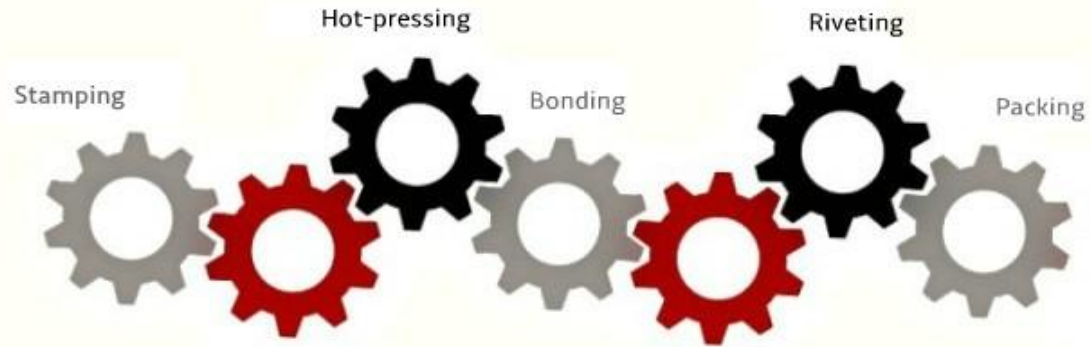
Brake Shoes



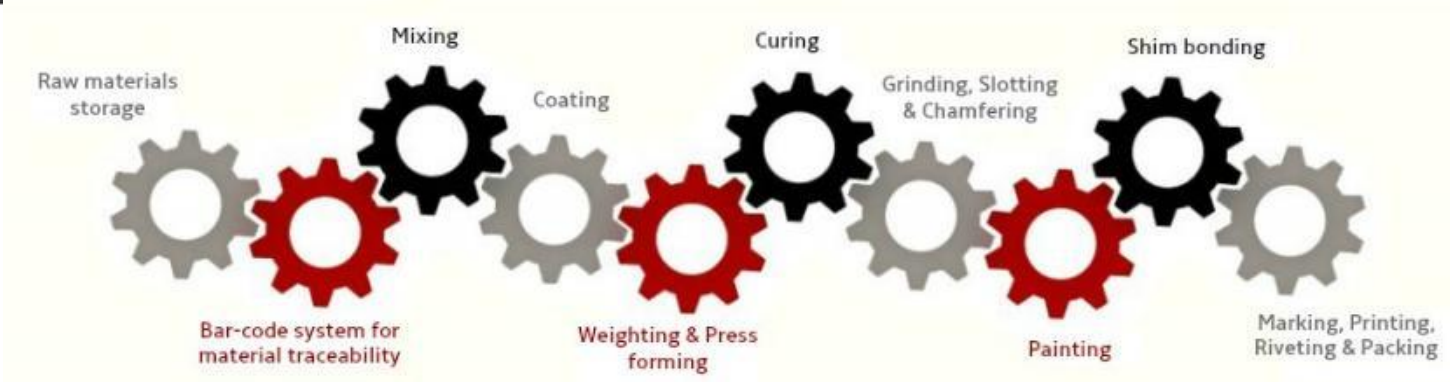
Brake Shoe Test Report



Brake shoe production process



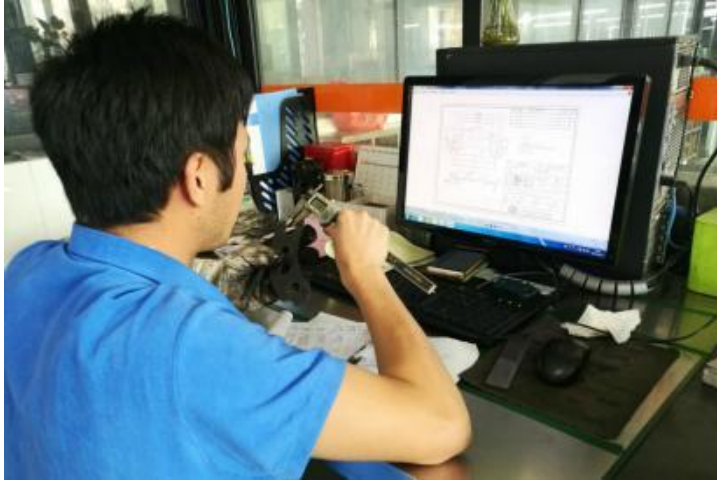
Brake PADS production process



Brake pad steel back production



Product Presentation - Product R&D



The R&D team:

The production base now has a professional technology research and development team with years of experience with filter product and cooperate with universities and scientific research units. We have 4 technology engineers , 3 process engineers and 5 quality control engineers. Continuous efforts, committed to research and develop of more advanced, more environmentally friendly, more efficient to meet or exceed customer requirements.

Certificate of Registration



This is to certify that the Quality Management System of

Hengshui Kalyue Brake Pads Co., Ltd.
Dishi Industrial Zone, Qingnian Town, Gucheng County, Hengshui City, Hebei Province, 253800, China.

applicable to

Manufacturing of disc brake linings and drum brake linings

has been assessed and registered by
NQA, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable LU5 5ZX, Bedfordshire, England
against the provisions of

IATF 16949:2016

(Clause 8.3 product design of IATF 16949 : 2016 is justifiably excluded)

This registration is subject to the company maintaining a quality management system, to the above standard, which will be monitored by NQA

Mingyu
Managing Director



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NQA Certificate No: T88381
IATF Certificate No: 0434126
Date: 14 November 2021
Valid Until: 13 November 2024
Version: 1



Certificate of Registration



兹证明

衡水凯越刹车片有限公司

河北省衡水市故城县青罕镇第什工业区

的质量管理体系适用于

盘式制动器衬片、鼓式制动器衬片的生产

已经 NQA 根据标准

IATF 16949:2016

(删减产品设计)

审核和注册

本注册要求组织必须按照上述标准保持其质量管理体系, 并由 NQA 进行监督。
若有任何争议, 以英文证书为准

Mingyu
Managing Director



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Date: 14 November 2021
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Version: 1



Certificate ECER90 E-Mark



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING APPROVAL GRANTED OF A REPLACEMENT BRAKE LINING ASSEMBLY OR REPLACEMENT DRUM BRAKE LINING PURSUANT TO UN REGULATION NO: 90.02

Approval Code ⁽¹⁾: 02A01218/65409



Approval No ⁽²⁾: E11*90R02/06*65409*00

Reason(s) for extension:

Not applicable

1. Applicant's name and address:

HENGSHUI KAIYUE BRAKE PADS CO., LTD
DISHI INDUSTRIAL ZONE OF GUCHENG,
HENGSHUI CITY, HEBEI,
CHINA 253800

2. Manufacturer's name and address:

HENGSHUI KAIYUE BRAKE PADS CO., LTD
DISHI INDUSTRIAL ZONE OF GUCHENG,
HENGSHUI CITY, HEBEI,
CHINA 253800

3. Make and type of brake lining assembly: KY31789F

4. Make and type of brake lining: KY1502

5. Vehicles/axles/brakes for which the brake lining assembly type qualifies as original brake lining assembly: Not applicable

VSA579682

An executive agency of the Department for Transport
June 2022 Revision 13
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The company has ECER90 certification 1000+ models, covering all car series, meeting 80% of product demand, strength certification

Product Presentation - R&D Direction

Direction 1: Establish a research and development center, set up a special laboratory, focus on research and development of key technical issues such as brake pads, noise, dust fall, high temperature resistance, comfort, etc., and provide customers with cost-effective products in an all-round way—all-round, improve customer satisfaction

Direction 2: Keep up with the new technologies of OE products such as international brands, give full play to the advantages of research and development, and provide customers with high-performance products.

Direction 3: Vigorously develop countries that demand ECER90 certification, constantly update and improve product certification, and push high-quality products to a broader market stage.



Quality Assurance



YAOLUN has passed IATF16949 quality management system certification and CNAS laboratory accreditation certificate. It has an independent R&D center and top R&D personnel in the industry. We have experts in the field of brake pads to control product development. We adopt the latest domestic production equipment and introduce the entire foreign advanced production line to ensure stable product quality.



Laboratory Equipments

- ◆ Constant speed testing machine
- ◆ Box rheostat furnace
- ◆ Compression characteristic testing machine
- ◆ Shear test machine
- ◆ Electronic stiffness tester
- ◆ Rockwell hardness
- ◆ Inertial Experiment Platform
- ◆ Electric constant temperature blast drying oven
- ◆ Top impact vibrating screen machine
- ◆ Electronic balance

Incoming quality control



Compression testing machine, testing product expansion rate, heat conduction, compression strain at room temperature and high temperature



Oven for R&D samples



Used for moisture and carbon content detection of raw materials for brake pads

Quality Assurance - Laboratory Equipments



Rockwell
hardness
Rockwell
Hardness Tester:
used in the control
of process products
can effectively
ensure the stability
of products



Quadratic image
measuring
Instrument to test
rubber sizes



Electronic balance
Used to test the quality of
the sample block before and
after the friction performance
experiment



Used to test the bonding
strength of disc brake pad
assemblies and drum brake
shoe assemblies



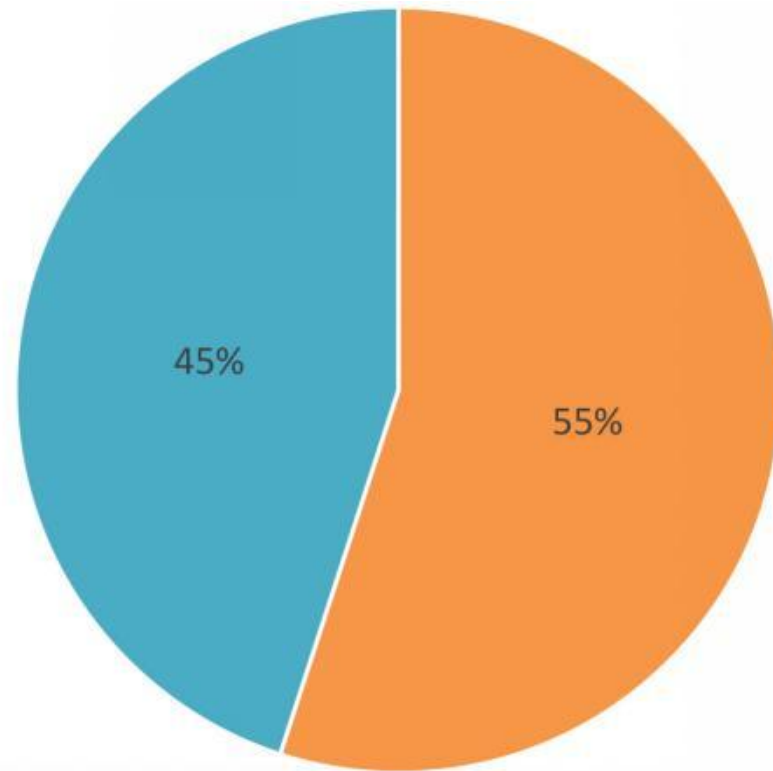
Brake pad inertia bench test machine

Test item:

- 1、 ECER90 experiment, AK experiment, inertial bench experiment.
- 2、 This testing machine can simulate the actual road conditions and test the noise and high temperature performance of the product.
- 3、 The company tests products daily to ensure product stability and consistent performance.
- 4、 This equipment meets the national standard 5763-2018, SAE-J2522, and ECER90 Claus test method;

Sales Market

- ◆ Divided by domestic and international market



 Domestic market  International market

Sales Market



The products are sold to 78 countries and regions.

Our Advantages

- ◆ Professional team, providing professional brake solutions and professional after-sales service;
- ◆ Perfect testing equipment, product full performance testing, product monitoring from production to after-sales
- ◆ Advanced and efficient production equipment ensures that each part meets technical standards. High efficiency can provide customers with cost-effective and high-speed response
- ◆ Relying on universities and research institutes, product research and development has always been at the forefront of the industry



Company Vision

The company adheres to the "excellent quality, integrity, improvement and strong" quality policy, constantly improve our own technological innovation ability and manufacturing level, to provide customers the best quality products and satisfactory service in the next five years to achieve famous around the world. At the same time, welcome the world well-known filter enterprises to negotiate and help us improve to achieve corporate vision.



Thank You!

For more information, please visit :
www.yaolunautoparts.com

