

SAND

JIAXING **SHENGDING** MACHINERY CO., LTD

WIN AT DETAILS, WIN AT QUALITY



CONTENTS

- About Us

- R&D and Honors
- Production Management
- Quality Control
- About Future

About SAND

Jiaxing Shengding Machinery Co.Ltd., founded in 2003, is a professional enterprise integrating design, manufacture and sales of auto spare parts. We mainly produce braking system components suit for medium/heavy load truck and medium/large passenger. Our products can be mainly divided into spring braking chamber, clutch booster, valves, etc.

After more than fifteen years of R&D, we have developed more than 300 models of brake actuators including 47 patents. In addition, we are the unique factory in China who has full series of disc brake chambers. Shengding is also an OE manufacturer in both China domestic market and European market. We can customize products according to customers' requirements, and supply professional technical supports and solutions.

Since 2007 all SAND products is under ISO9001:2000 system and in 2011 we get ISO/TS16949:2009 certificate and 2007 update IATF16949:2016. Taking quality as basis, and technology as support, the company makes constant innovation, formulates and abides by the tenet of "Build Product with Character, Create Brand by Quality", strives to provide high-quality products and services for customers and realize reciprocity with partners. SAND brand is recognized and has won a good reputation .

Company history



WELCOME TO SAND



Centre of Shanghai - Hangzhou - Suzhou - Ningbo

1. Hangzhou 85 km
2. Shanghai 99 km
3. Suzhou 74 km
4. Ningbo 130 km

Railway:

1. To Shanghai 25 mins
2. To Hangzhou 25 mins
3. To Ningbo 1.5 hours

High way :

1. To Shanghai Airport 1.5 hours
2. To Hangzhou Airport 1+ hour



SAND

Culture

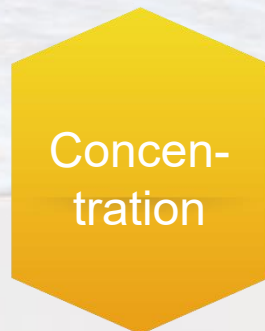
诚信共赢



人无信不立，
信以立志，信以
守身，信以处事，
毋忘立信，当必
有成。

Mission: Daily and Monthly Increasing, Capture and occupy the Market.

Vision: Top Level CV Brake Chamber Manufacturer of the International



Focus on, Keep improving

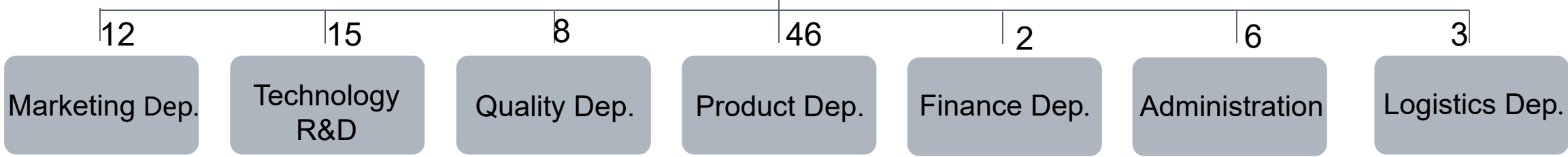
WIN AT DETAILS / WIN AT QUALITY

Our Team



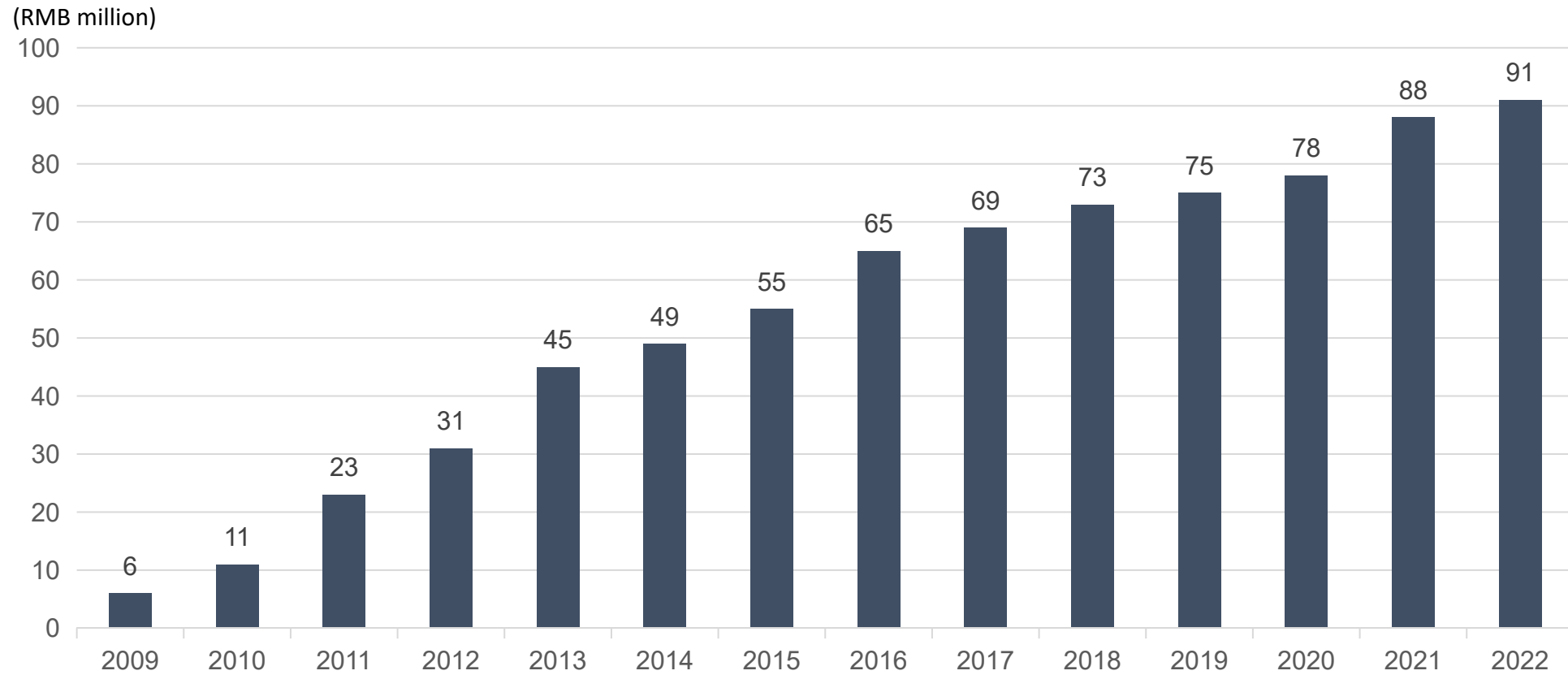
High technical & production team to create a bright future

92 Employees



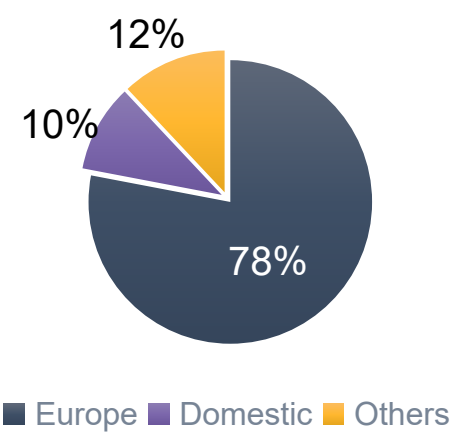
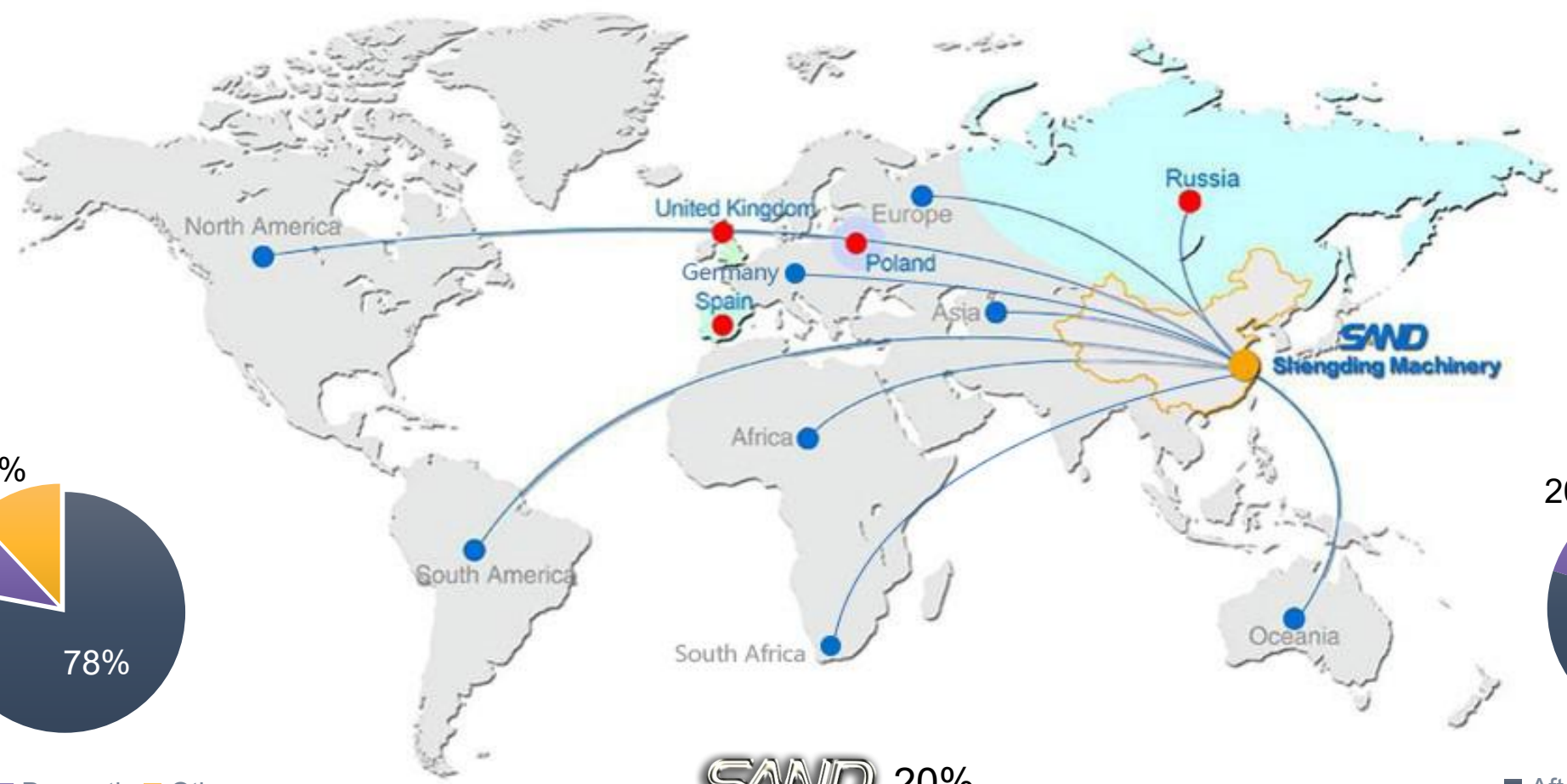
Company Development

Focus on management, quality and sustainable development

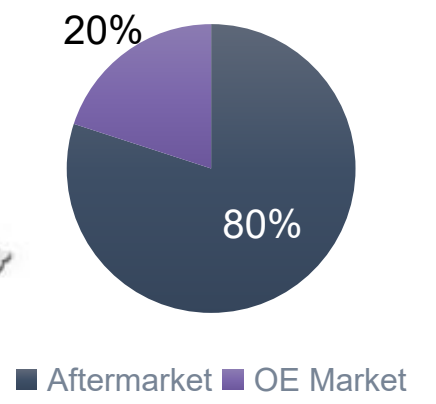


WIN AT DETAILS / WIN AT QUALITY

Sales Network



SAND 20%



WIN AT DETAILS / WIN AT QUALITY



Business

Overseas market



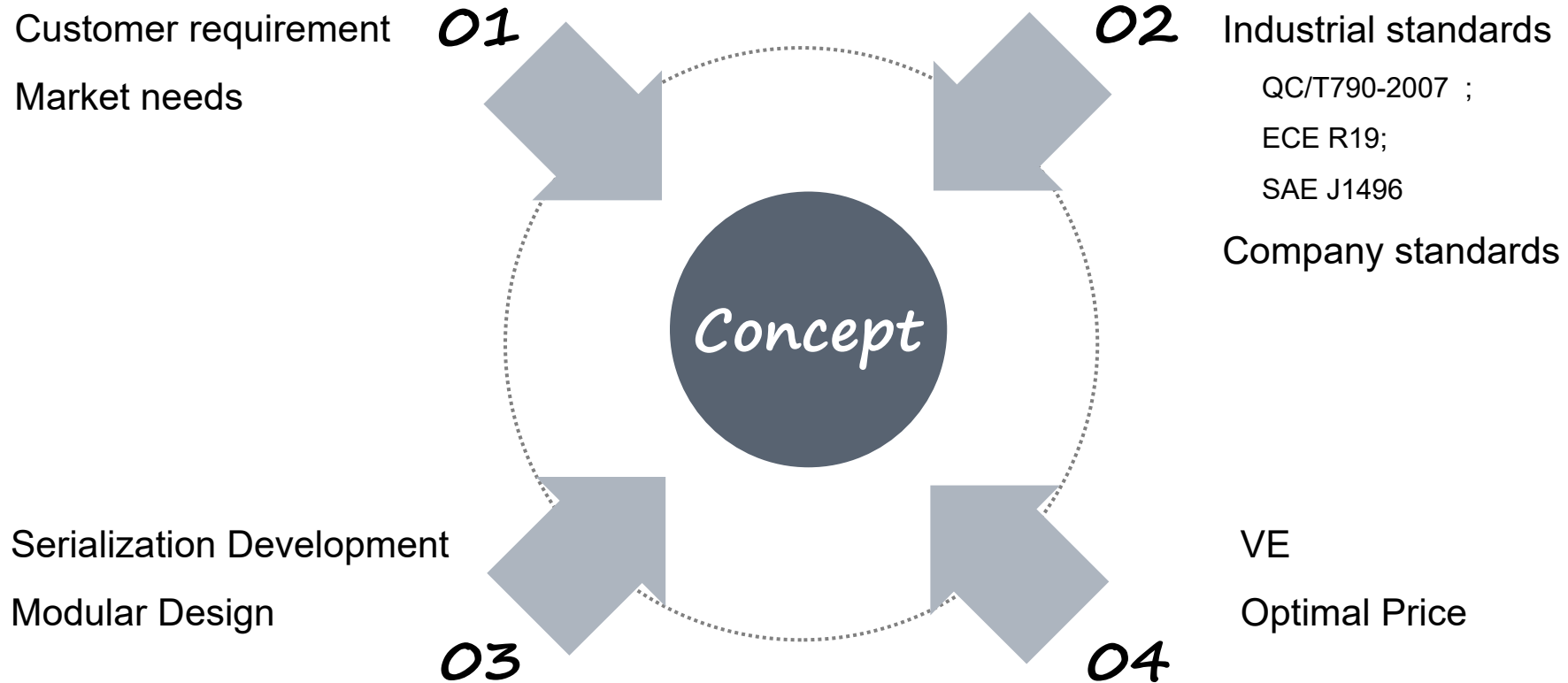
Domestic market



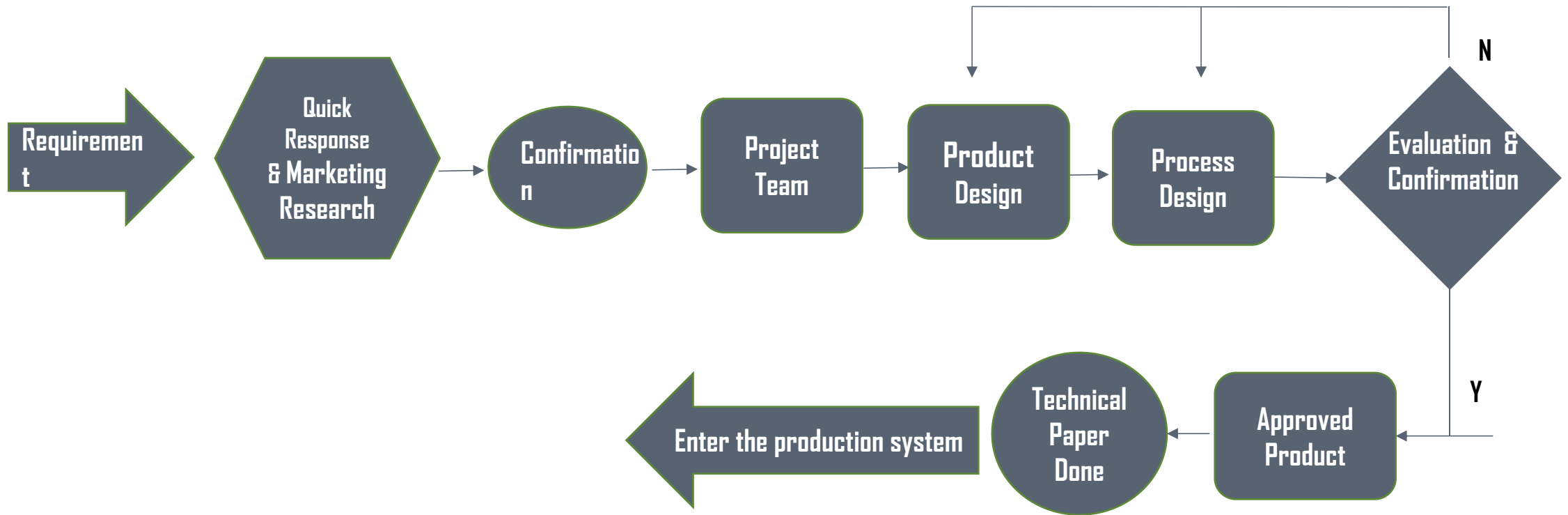
CONTENTS

- About Future
- R&D and Honors
- Production Management
- Quality Control
- About Future

Concept of R&D



R&D Process

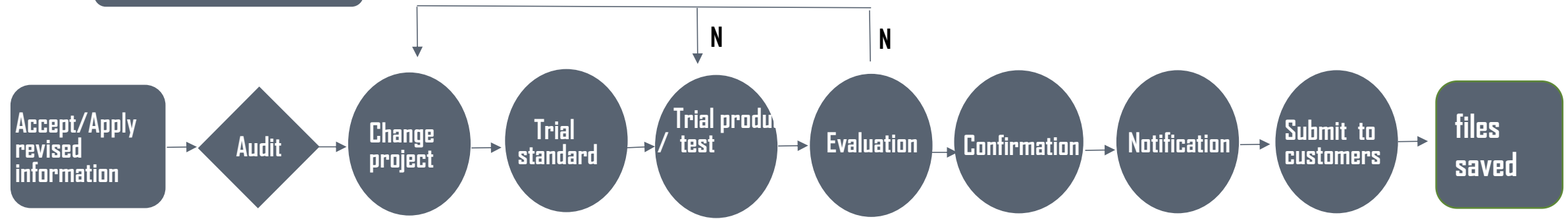


Data Management

P D M



E C Management Process



Project Management

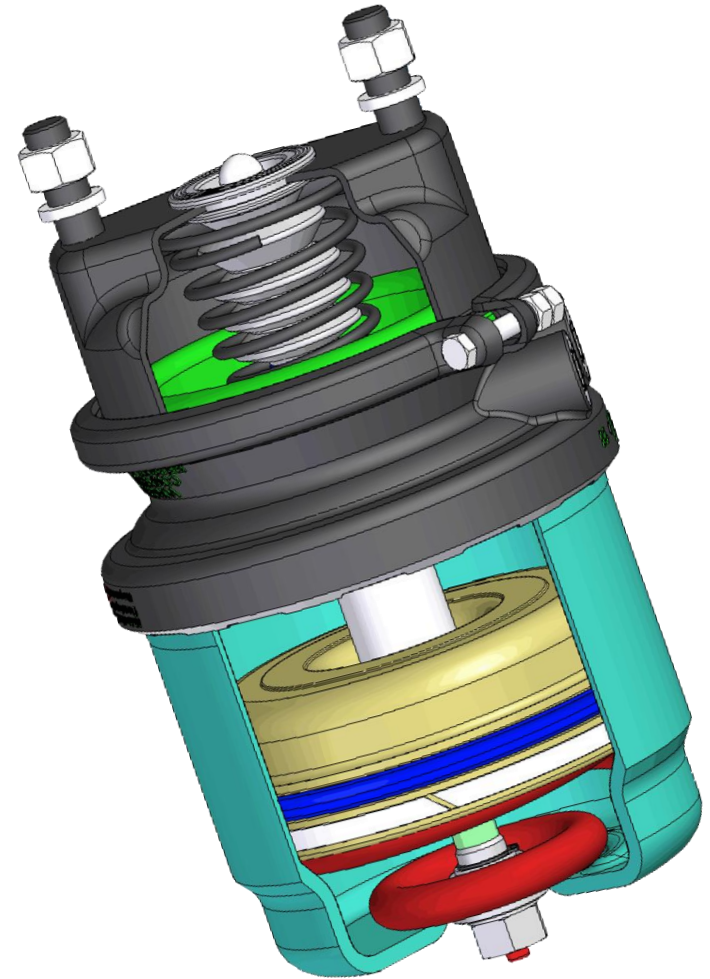
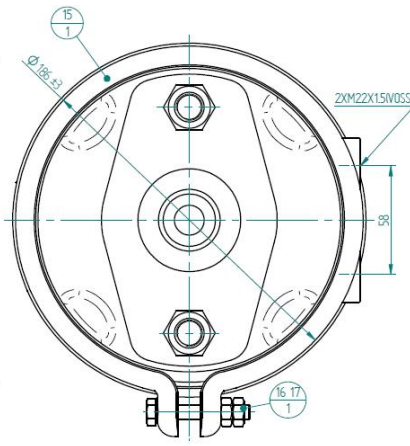
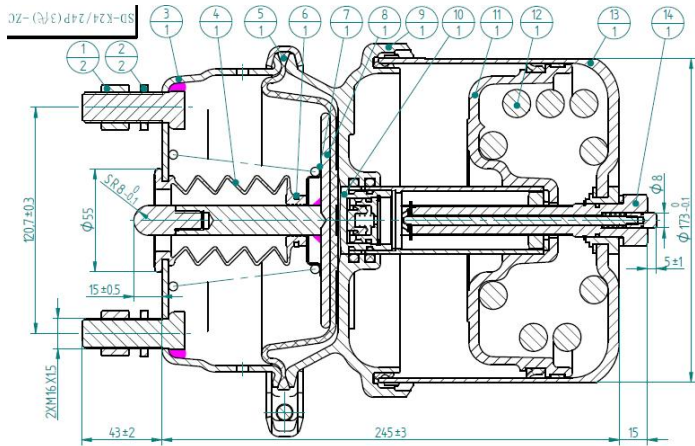
APQP / VDA

Software Application

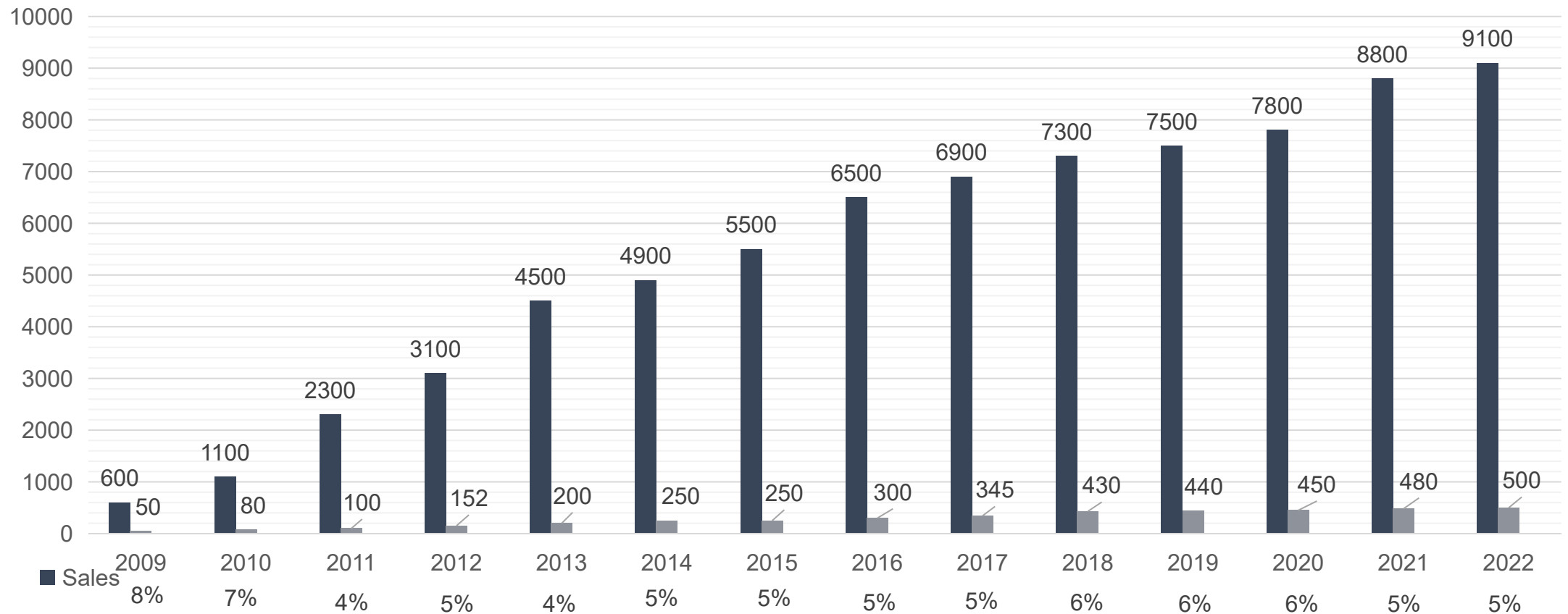
CAD DFM DFA DOE CAE



SIEMENS
Siemens PLM Software
NX

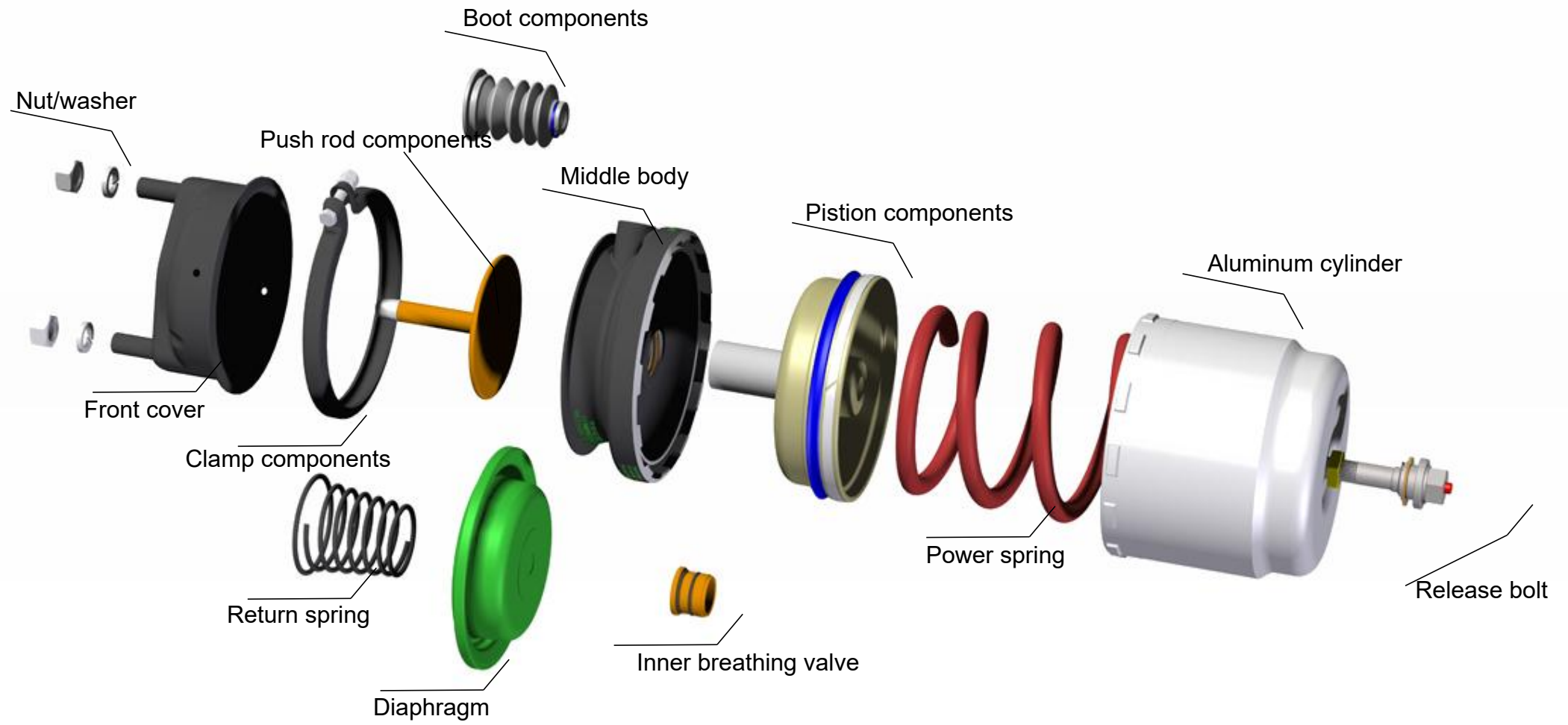


R&D Investment

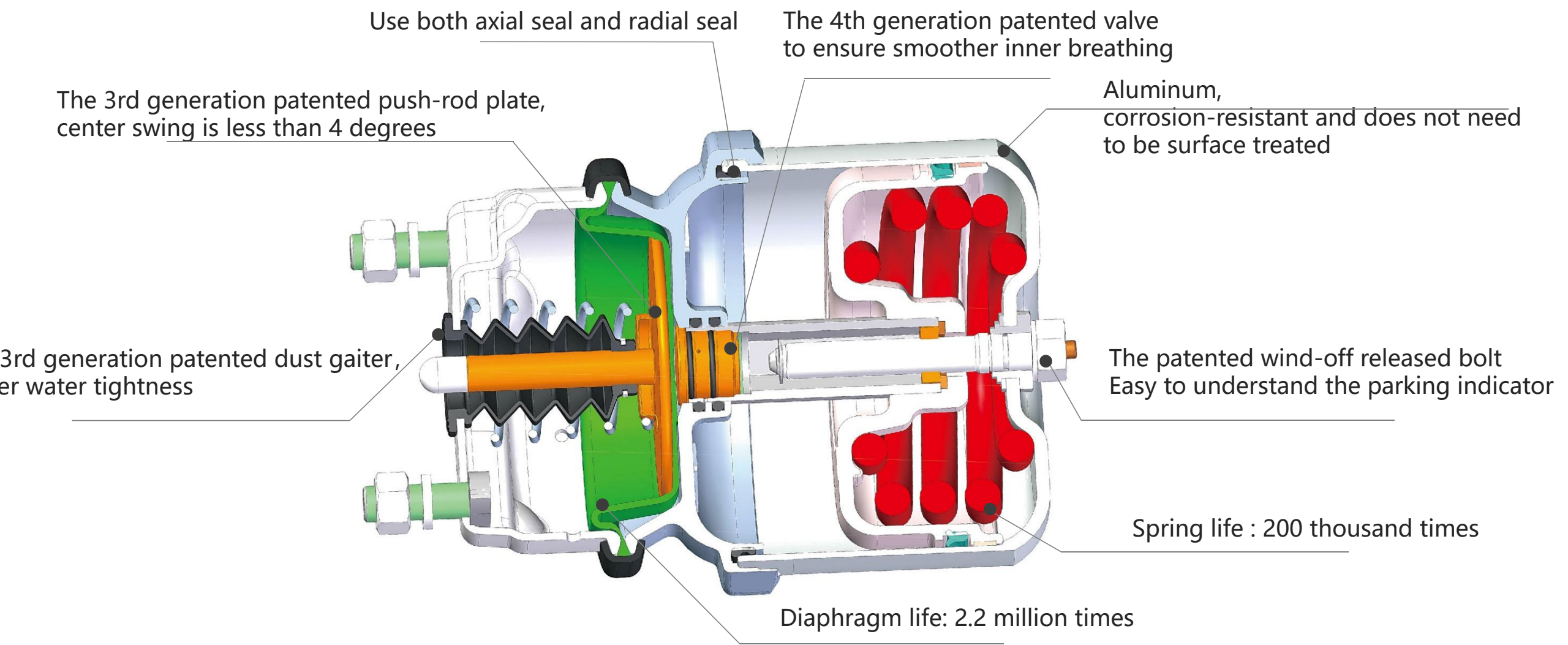


WIN AT DETAILS / WIN AT QUALITY

Product Structure

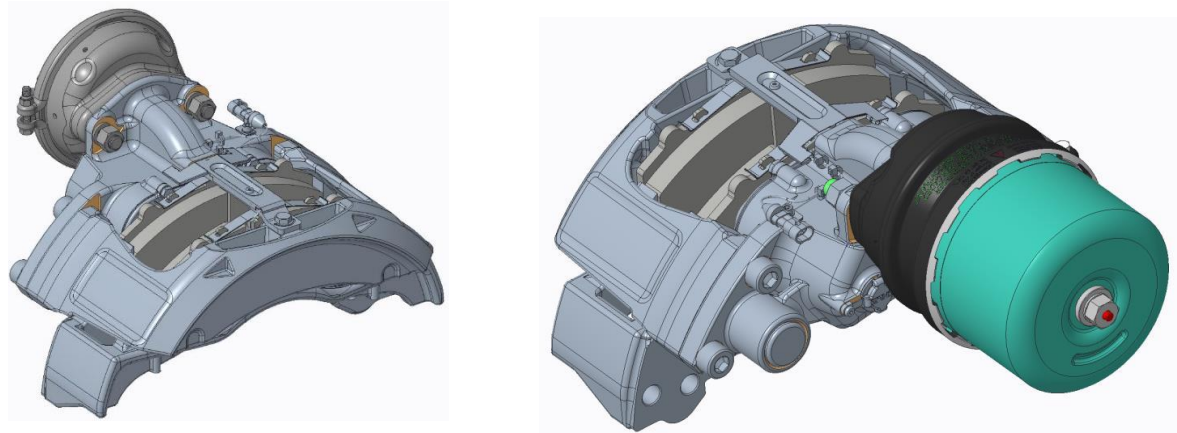


R&D Application

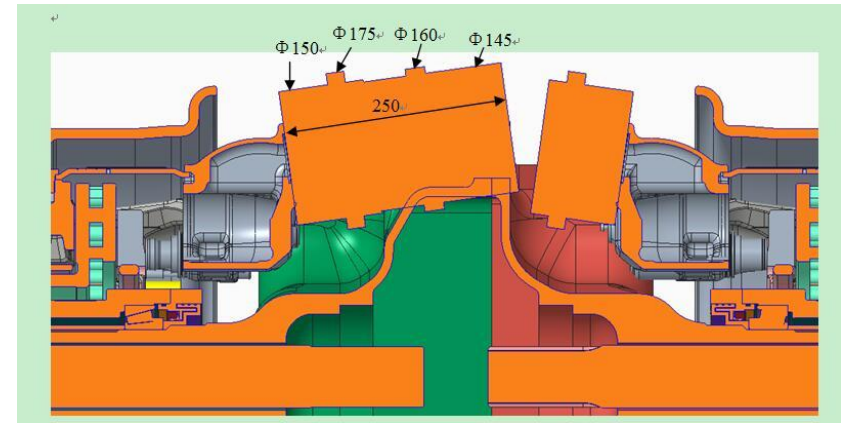


R&D Experience

Disc Brake System



Urban Rail Transit Project(CRRC)

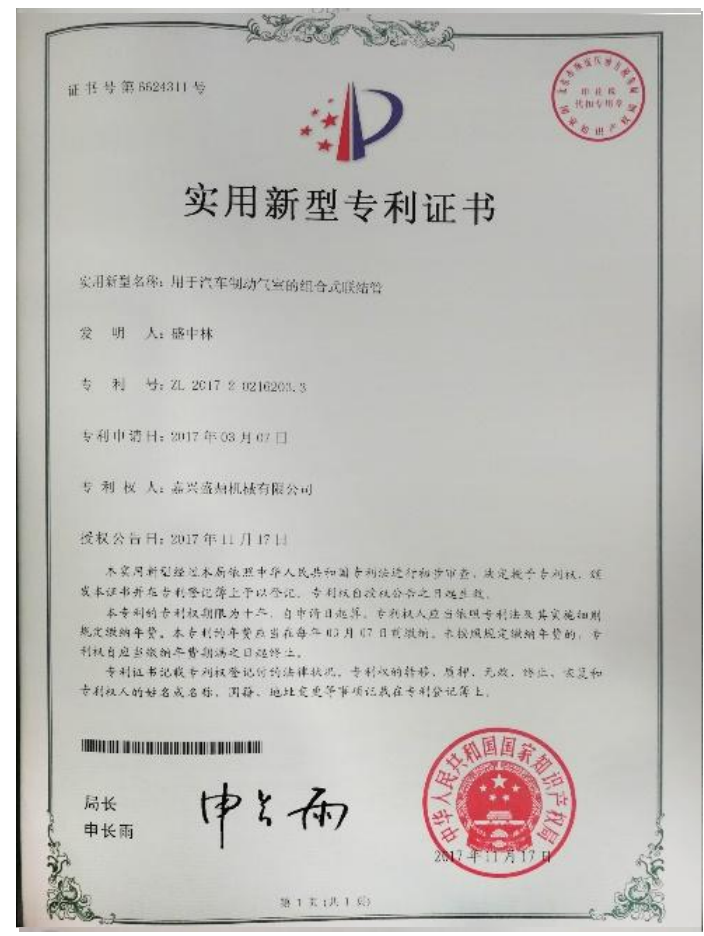
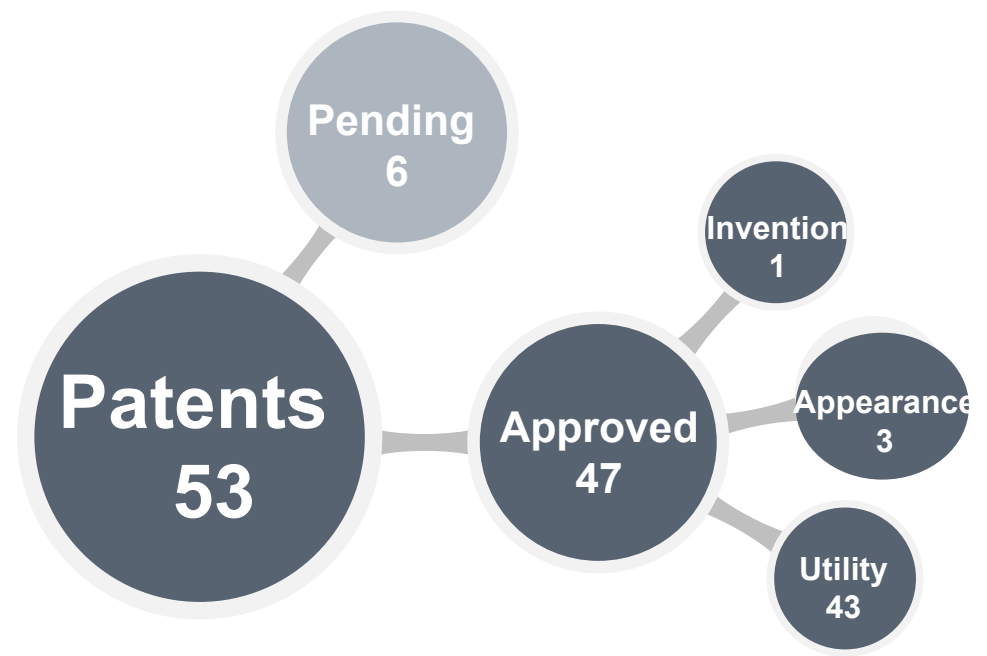


Product Range



WIN AT DETAILS / WIN AT QUALITY

Patents



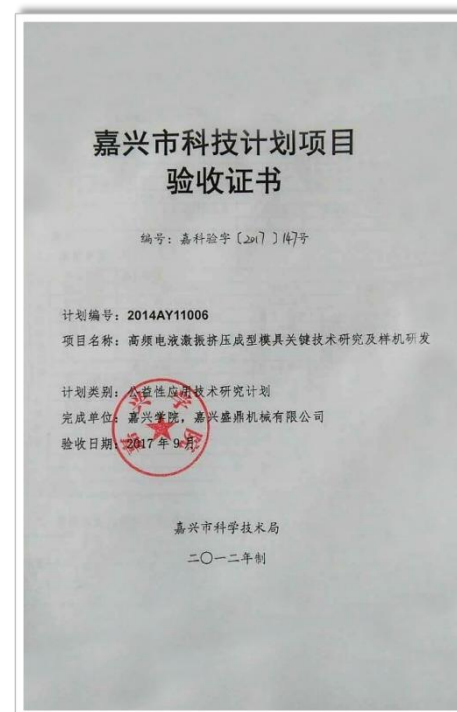
Education

Cooperation with Jiaxing University



Teaching practice base

Industry-university cooperation



Certificates

ТАМОЖЕННЫЙ СОЮЗ
СЕРТИФИКАТ СООТВЕТСТВИЯ
 № TC RU C-CN.OC13.B.01647
 Серия RU № 0359280

ОРГАН ПО СЕРТИФИКАЦИИ "ИПЦАВТОЭКСПЕРТ" Общество с ограниченной ответственностью "ИПЦАВТОЭКСПЕРТ", Место нахождения: 119334, Российская Федерация, город Москва, проспект Ленинский, дом Фактический адрес: 119334, Российская Федерация, город Москва, проспект Ленинский, дом 32А. Телефон: +74953681223, факс: +74953681223, адрес электронной почты: info@ipca.ru. Адрес аккредитации: 119334, Российская Федерация, город Москва, проспект Ленинский, дом 32А. Телефон: +74953681223, факс: +74953681223, адрес электронной почты: info@ipca.ru. Адрес аккредитации: 119334, Российская Федерация, город Москва, проспект Ленинский, дом 32А. Телефон: +74953681223, факс: +74953681223, адрес электронной почты: info@ipca.ru.

ЗАЯВИТЕЛЬ Общество с ограниченной ответственностью «БалтКам». Основной государственный регистрационный номер: 1027810350446. Место нахождения: 195197, Российская Федерация, город Санкт-Петербург, Полстровский проспект, дом 54. Фактический адрес: 195197, Российская Федерация, город Санкт-Петербург, Полстровский проспект, дом 54. Телефон: 78123276520, факс: 78123276519, адрес электронной почты: info@baltkam.ru.

ИЗГОТОВИТЕЛЬ "JIAXING SHENGDIING MACHINERY CO.,LTD". Место нахождения: КИТАЙ, XINHUANG INDUSTRIAL PARK,NANHU DISTRICT, JIAXING, ZHEJIANG. Фактический адрес: КИТАЙ, XINHUANG INDUSTRIAL PARK,NANHU DISTRICT, JIAXING, ZHEJIANG.

ПРОДУКЦИЯ Запасные части, поставляемые для технического обслуживания грузовых транспортных средств торговой марки SAND (смотри приложение - блок № 0278127). Продукция изготовлена в соответствии с Директивой 2007/46/ЕС. Серийный выпуск.

КОД ТН ВЭД ТС 8708 30 910 9, 8708 30 990 9, 8716 90 900 0, 4016 99 520 9

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ Технического регламента Таможенного союза ТР ТС 018/2011 "О безопасности колесных транспортных средств"

Kraftfahrt-Bundesamt
 DE-24932 Flensburg

E1

MITTEILUNG
 ausgestellt von:
Kraftfahrt-Bundesamt

Ober die Bestätigung
 eines Prüfprotokolls gemäß Anhang 19 Punkt 2.4 und 3.4 der ECE
 Regelung Nr. 13 für einen Membranbremszylinder / Federspeicher-
 Bremszylinder

COMMUNICATION
 issued by:
Kraftfahrt-Bundesamt

concerning a confirmation
 of a Test Report regarding Annex 19 Item 2.4 and 3.4 of ECE
 Regulation No. 13 for a diaphragm brake chamber / spring brake
 chamber

Nummer der Bestätigung: 190246
 Confirmation No.:

Test Report
Procès-verbal d'Essai
Verbale di Prova
Acte de Essai
Relatório de Ensaio

TUV NORD

No. BC 0170.0
 for application of Annex 19-Part 1, ECE Regulation No. 13
sur l'application von Anhang 19-Teil 1, ECE Regelung No. 13
in applicazione dell'allegato 19-Parte 1 della ECE regolamento 13
in aplicación de anexo 19-Parte 1 de ECE regulación 13
para aplicação de Anexo 19-Parte 1 de ECE Regulamento 13

1. IDENTIFICATION
 Konstruktions-
 Identifikation
 Identificação
 Identificação
 Identificação

1.1 Manufacturer: Jiaxing Shengding Machinery Co., Ltd

Kraftfahrt-Bundesamt
 DE-24932 Flensburg

E1

MITTEILUNG
 ausgestellt von:
Kraftfahrt-Bundesamt

über die Bestätigung
 eines Prüfprotokolls gemäß Anhang 19 Punkt 2.4 und 3.4 der ECE
 Regelung Nr. 13 für einen Membranbremszylinder / Federspeicher-
 Bremszylinder

COMMUNICATION
 issued by:
Kraftfahrt-Bundesamt

concerning a confirmation
 of a Test Report regarding Annex 19 Item 2.4 and 3.4 of ECE
 Regulation No. 13 for a diaphragm brake chamber / spring brake
 chamber

Nummer der Bestätigung: 190247
 Confirmation No.:

Erweiterung No.:

2017年度

十佳科技型企业

中共凤桥镇委员会
 凤桥镇人民政府
 二〇一八年二月

高新技术企业证书

企业名称: 嘉兴盛鼎机械有限公司
 证书编号: GR2017133003004
 发证时间: 2017年11月13日
 有效期: 三年
 批准机关:

省级高新技术企业研究开发中心证书

名称: 嘉兴盛鼎汽车零部件
 省级高新技术企业研究开发中心
 依托单位: 嘉兴盛鼎机械有限公司
 文件号: 浙科发条〔2016〕225号
 序号: 210

浙江省科学技术厅
 2016年12月

CONTENTS



- About Us
- R&D and Honors
- **Quality Control**
- Production Management
- About Future



Quality Control

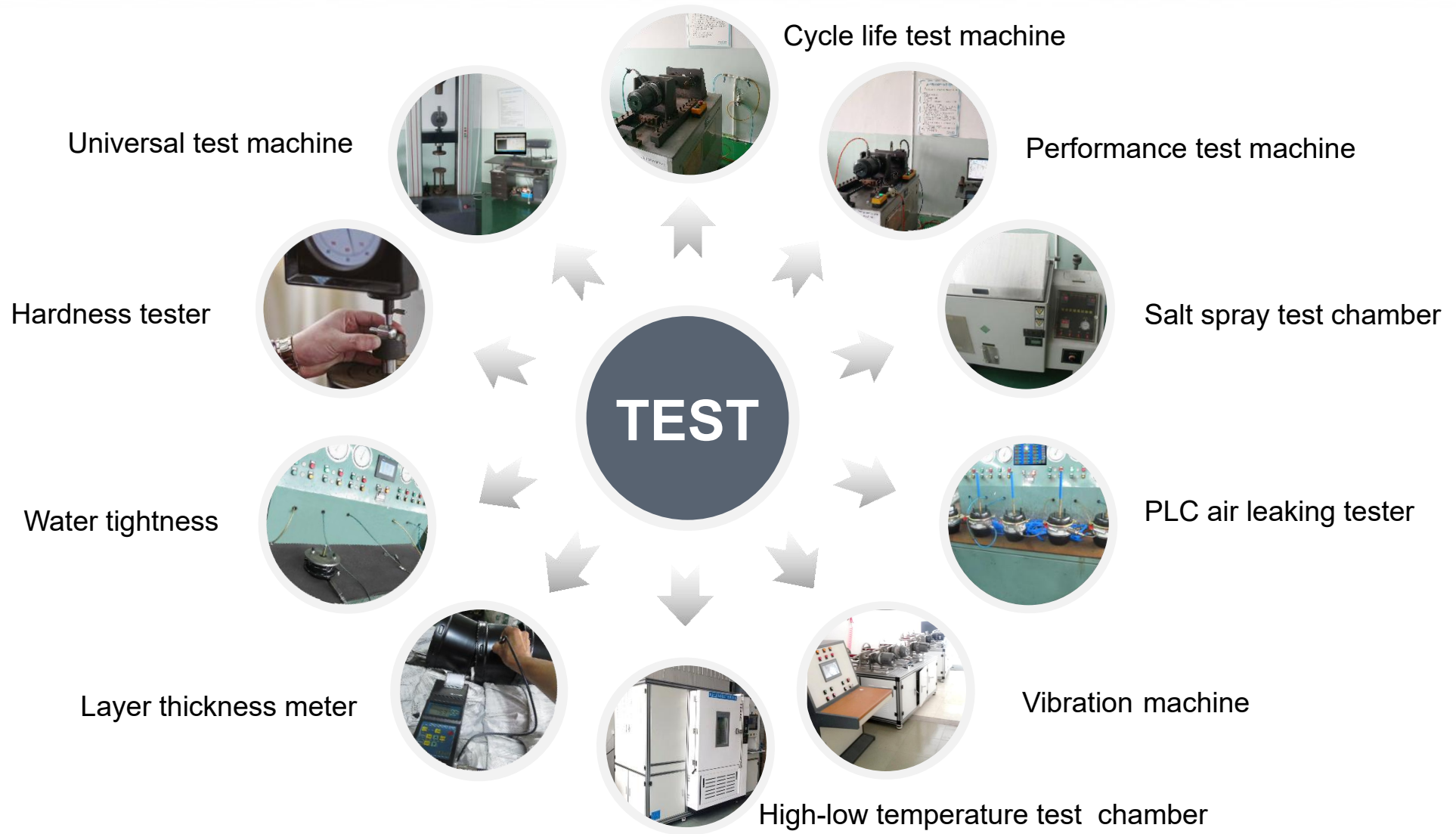


In order to set a series of quality standards, SAND has applied ISO / TS16949 quality management system since 2011. We make effective control and management according to the quality manual, procedure documents, standard documents, and operation instructions ,etc.

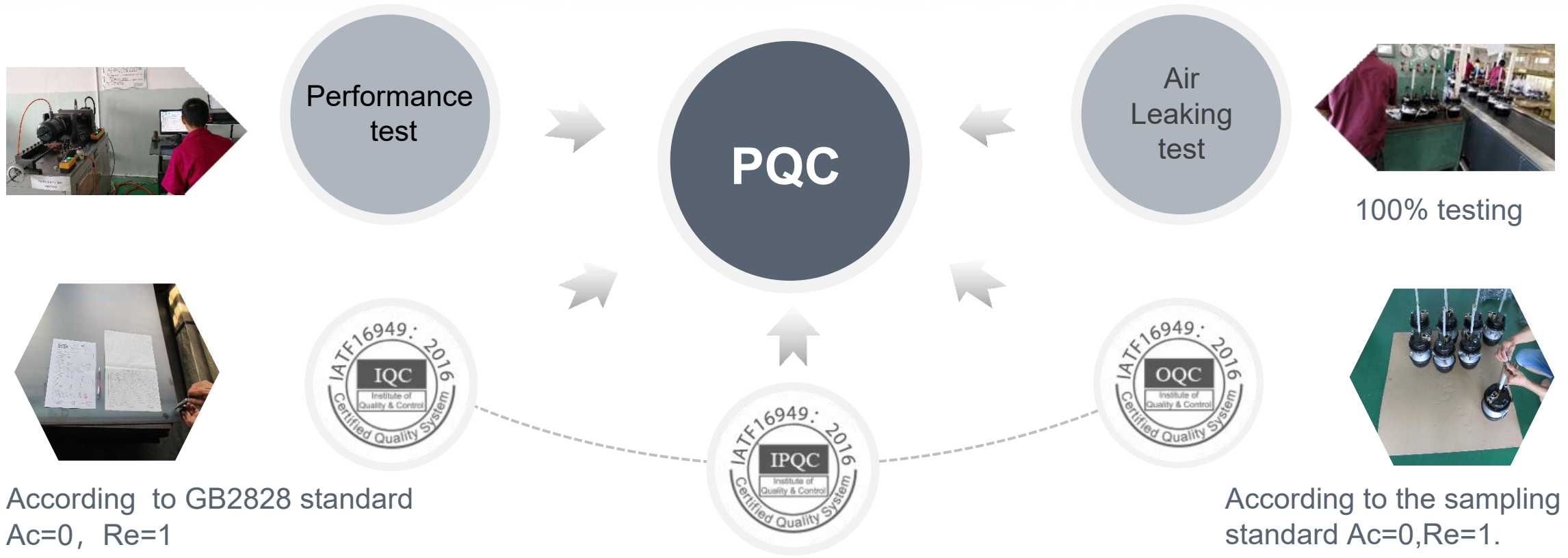
SAND applies APQP, FMEA, SPC, MSA, DOE, QFD for R&D control; QC tools, 8D methods, process control operation instructions, CQP, initial inspection, pending inspection and defects display board for QC control ; Therefore, we can carry out TQM, and set up enterprise quality management performance mode to improve the quality of SAND brand.



Test Equipment

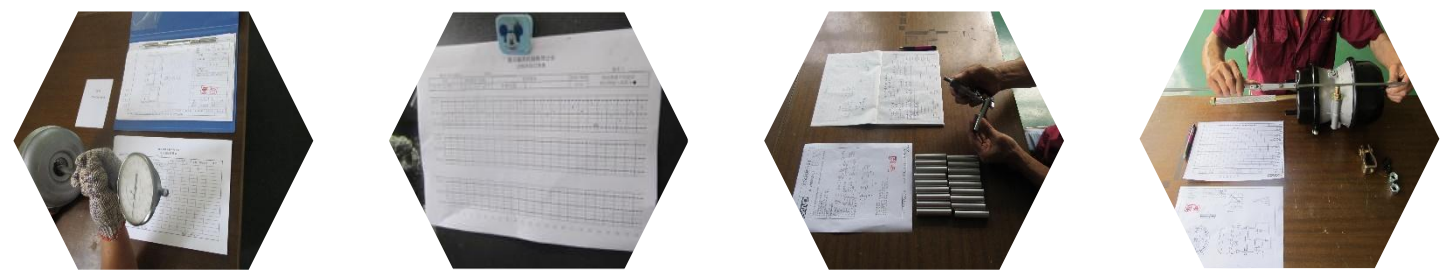


Process Quality Control



According to GB2828 standard
Ac=0, Re=1

According to the sampling
standard Ac=0, Re=1.



Test Report

Test Report
Protokoll
Procès-verbal d'Essai
Verbaal di Proev
Acta de Ensayo
Relatório de Exaoto

No. BC 0176.0
 for application of Annex 19-Part 1, ECE Regulation No. 13
pour application de l'Annexe 19-Part 1, ECE Regulation No. 13
per application dell'Allegato 19-Parte 1 della ECE regulation 13
per aplicacão de anexo 19-Parte 1 da ECE regulacão 13
para aplicacão de Anexo 19-Parte 1 da ECE Regulacão 13

1. IDENTIFICATION
 Identification
 Identificación
 Identificación
 Identificação

1.1 Manufacturer:
 Jiaxing Shengding Machinery Co., Ltd
 Xinshang Industrial Park
 Nanxin District, Jiaxing,
 Zhejiang
 China

1.2 Make:
 SAND

1.3 Type:
 1624

嘉兴盛鼎机械有限公司
 盐雾试验报告

供方	莫干(电话), 手机(翻译)		
试验产品/零件名称	18 翻新链条 (镀锌), 10 前盖组件, 30 衬套, 20 衬套	材料	
试验数量	各 2 件, 共 8 件	合格数量	8

样品状况: 试验前: 未发现缺陷, 初始厚度 30.6-34.6um

试验时间: 2018年5月2日至5月12日 共 190 小时

进水浓度	中性盐雾 5%溶液	喷雾量 ml/80cm ² /h	1.06
压缩空气压力	0.1 MPa	纯净水由谁	纯净水
恒定相对湿度 (%)	35	盐水槽温度 (°C)	47

试验标准: 按 GB/T10125-2012 (中性盐雾试验, 初始 190 小时, 6 级评定)

试验结论: 在 GB/T6461-2002 对样有自由评级, 试验试验产品有肉眼可见缺陷情况, 符合 6 级标准。

结论	合格	试验员	蓝军华
----	----	-----	-----

Salt spray test

JIAXING SHENDING MACHINERY CO.,LTD.
 The report of characteristic test

Product attribute: 2029 Type: K2029-满力, 65 66 Air pressure: 2

Test Date: 2018-9-27/10-01/21

Database:

0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009	0.0010	0.0011	0.0012	0.0013	0.0014	0.0015	0.0016	0.0017	0.0018	0.0019	0.0020	0.0021	0.0022	0.0023	0.0024	0.0025	0.0026	0.0027	0.0028	0.0029	0.0030
5.556	7.918	2.848	7.849	7.918	8.105	5.172	8.191	8.191	8.335	8.114	7.660	7.848	5.702	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Legend:
 — The threat of hosepipe with air pressure(A3)
 — The threat of hosepipe with aging(A3)
 — The threat of the resistance of spring(B3)

The report of characteristic test

JIAXING SHENDING MACHINERY CO.,LTD.
 The report of characteristic test

Product attribute: 0229 Type: K2018-053476满力, 65 66 Air pressure: 2

Test Date: 2018-9-27/10-01/21

Database:

0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009	0.0010	0.0011	0.0012	0.0013	0.0014	0.0015	0.0016	0.0017	0.0018	0.0019	0.0020	0.0021	0.0022	0.0023	0.0024	0.0025	0.0026	0.0027	0.0028	0.0029	0.0030
5.556	7.918	2.848	7.849	7.918	8.105	5.172	8.191	8.191	8.335	8.114	7.660	7.848	5.702	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Legend:
 — The threat of hosepipe with air pressure(A3)
 — The threat of hosepipe with aging(A3)
 — The threat of the resistance of spring(B3)

The report of characteristic test

台架试验 Beach test
 按 QC/T790-2007

试验项目	功能	检测方法	试验设备	备注
外观检查	目视	目视	目视	
尺寸检查	游标卡尺	游标卡尺	游标卡尺	
硬度检查	洛氏硬度计	洛氏硬度计	洛氏硬度计	
冲击试验	冲击试验	冲击试验	冲击试验	
疲劳试验	疲劳试验	疲劳试验	疲劳试验	
盐雾试验	盐雾试验	盐雾试验	盐雾试验	
拉伸试验	拉伸试验	拉伸试验	拉伸试验	
弯曲试验	弯曲试验	弯曲试验	弯曲试验	
扭转试验	扭转试验	扭转试验	扭转试验	
剪切试验	剪切试验	剪切试验	剪切试验	
压缩试验	压缩试验	压缩试验	压缩试验	
疲劳试验	疲劳试验	疲劳试验	疲劳试验	
冲击试验	冲击试验	冲击试验	冲击试验	
硬度试验	硬度试验	硬度试验	硬度试验	
尺寸检查	尺寸检查	尺寸检查	尺寸检查	
外观检查	外观检查	外观检查	外观检查	

JIAXING SHENDING MACHINERY CO.,LTD.
 The report of characteristic test

Product attribute: 0229 Type: K2018-053476满力, 65 66 Air pressure: 2

Test Date: 2018-9-27/10-01/21

Database:

0.0001	0.0002	0.0003	0.0004	0.0005	0.0006	0.0007	0.0008	0.0009	0.0010	0.0011	0.0012	0.0013	0.0014	0.0015	0.0016	0.0017	0.0018	0.0019	0.0020	0.0021	0.0022	0.0023	0.0024	0.0025	0.0026	0.0027	0.0028	0.0029	0.0030
5.556	7.918	2.848	7.849	7.918	8.105	5.172	8.191	8.191	8.335	8.114	7.660	7.848	5.702	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Legend:
 — The threat of hosepipe with air pressure(A3)
 — The threat of hosepipe with aging(A3)
 — The threat of the resistance of spring(B3)

Beach test

CONTENTS

- About Us
- R&D and Honors
- Quality Control
- **Production Management**
- About Future

Production Control



IATF16949



6S field management system



SAND management system, TOC theory



LP and waste elimination



Production Control



Moulds



Pressing



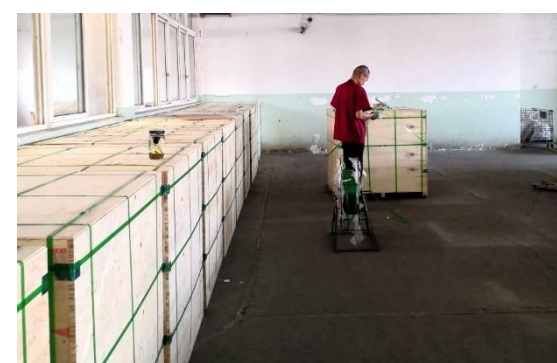
Metalworking



Welding



Assemble



Packing

CONTENTS

- About Us
- R&D and Honors
- Production Management
- Quality Control
- About Future



Brand Promotion



2016
Shanghai



2016
Frankfurt



2017
Automechanika
Dubai



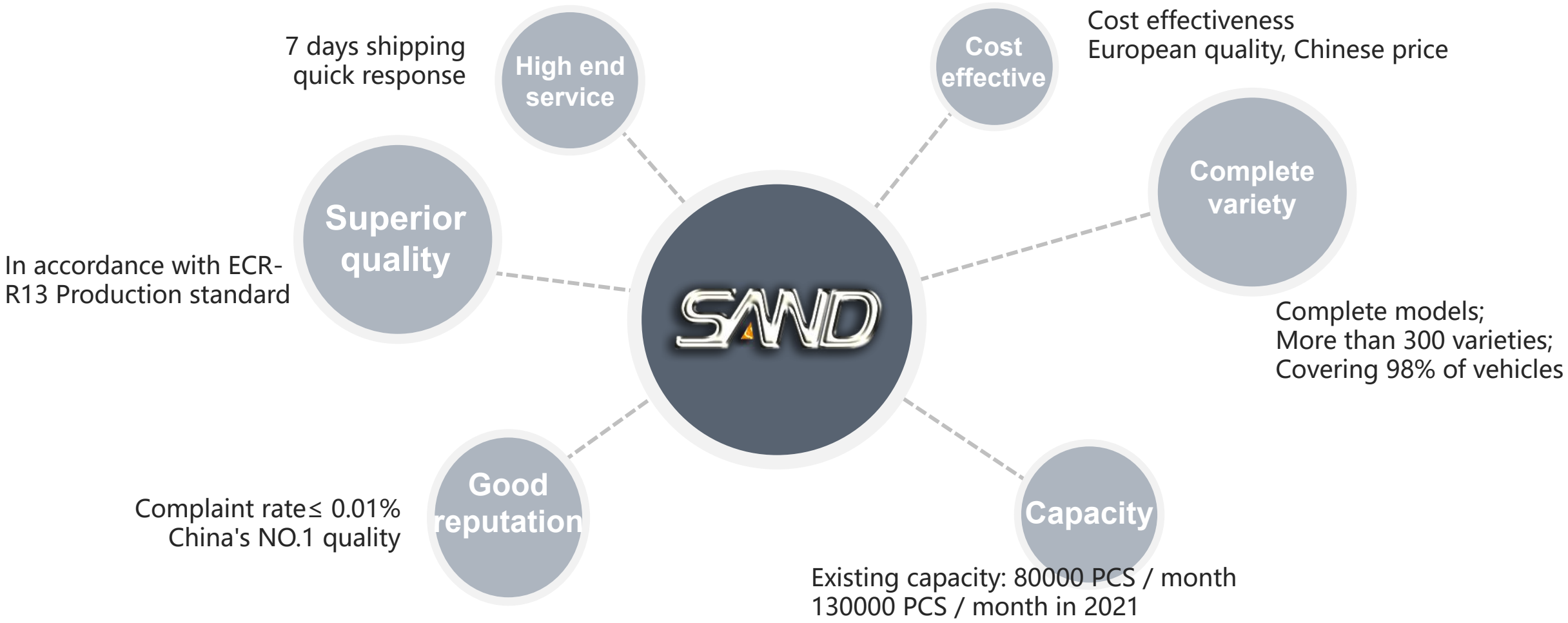
2016
IAA



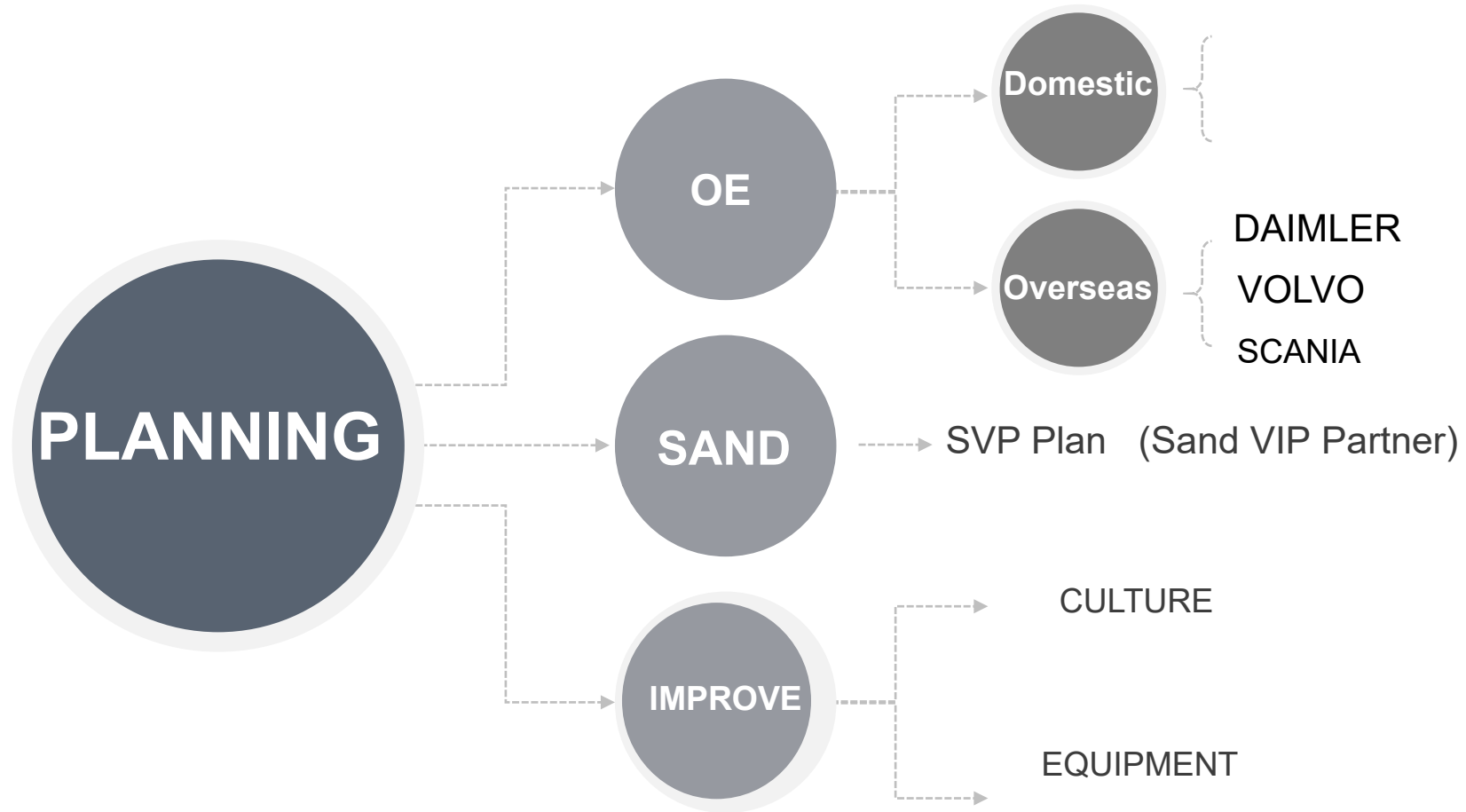
2016
Automechanika
Dubai

WIN AT DETAILS / WIN AT QUALITY

Advantages



Strategic Planning



WIN AT DETAILS / WIN AT QUALITY

SAND

SAND

WIN AT DETAILS, WIN AT QUALITY

THANK YOU

WIN AT DETAILS / WIN AT QUALITY