



Foucs on R&D of Sensors

专注于传感器的研发与生产

Leading CPS & ABS Sensors

主要从事CPS与ABS传感器



Welcome

了解汉博 ABORN Automotive Sensor (China)Co., Ltd



2003年

Set up company
成立公司

2008年

Pass German Rhine ISO/TS16949
international quality system certification
通过德国莱茵ISO/TS16949国际质量体系认证

2011年

Become national high-tech enterprise
荣获国家高新技术企业

2013年

Passed ISO14001 and 18001 OHSMS
积极承担企业社会责任，顺利通过ISO14001
与18001环境 职业健康体系认证

2006年

Participate in the world's largest Auto Show
(Frankfurt 2006)
参加全球最大的汽配展(法兰克福汽配展)

2004年

Adopt ERP management system
导入ERP管理系统

2010年

Become supplier for the world's
top 500 companies
成为世界500强企业供应商

History

要闻与里程碑

2015年

Move to New Site , located in
Economic Development Zone, Ruian
乔迁至东山经济开发区

Company Profile
公司介绍



汉博®传感器专家

员工190 余人, 其中工程技术、品质管理人员30余人

主要产品: ABS轮速传感器、曲轴/凸轮轴位置传感器、速度传感器

产能: 600万只/年

交期: 30-45天

研发能力: 2017年预计开发220款

2018年预计开发260款

2019年预计开发290款

品质控制: 来料检验(抽检)-半成品检验 (100%全检) -成品检验 (100%全检)

The Professional Sensors Manufacture

Employee:190 people, and including Technical engineer and QC more than 30 people.

Main products: ABS Wheel Speed Sensor, Crankshaft/Camshaft/ Position Sensor, Speed Sensor

Capacity: 6,000,000pcs/Year

Lead time:30-45 days

R&D Scheduled Ability: 2017 220 Types

2018 260 Types

2019 290 Types

QC: Incoming Material Test (random inspection) – Semi Products Test(100%)

–Finished Products Test(100%)



Production Equipment
生产设备

Hall-effect Type
Production
霍尔式生产区 (2)

Hall-effect Type
Production
霍尔式生产区 (1)

Sensor Production Line

No defect, never make and send defects
不接受缺陷, 不



Production Equipment
生产设备

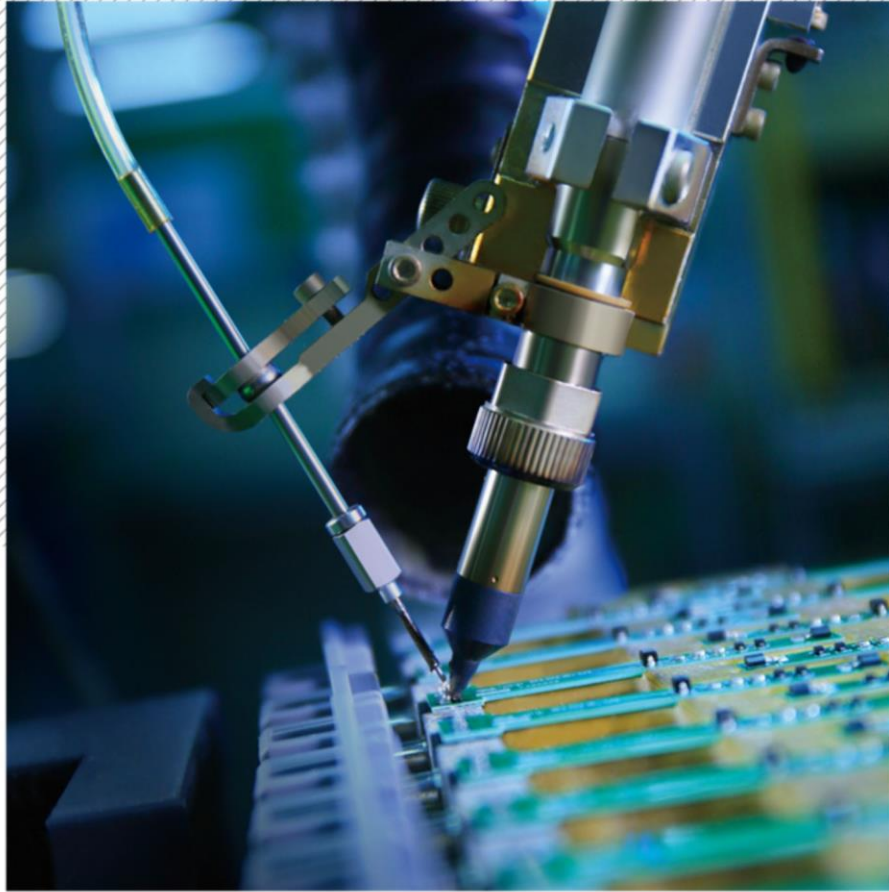
*Automatic Grommet
Assembly Machine*



JUKI SMT Machine (Japan)



SMT Production Line



Tin Solder Robot Machine



Automatic Epoxy Filling Machine

Winding Production Line



TANAC Winding Machine (Japan)

Product Development 产品的研发



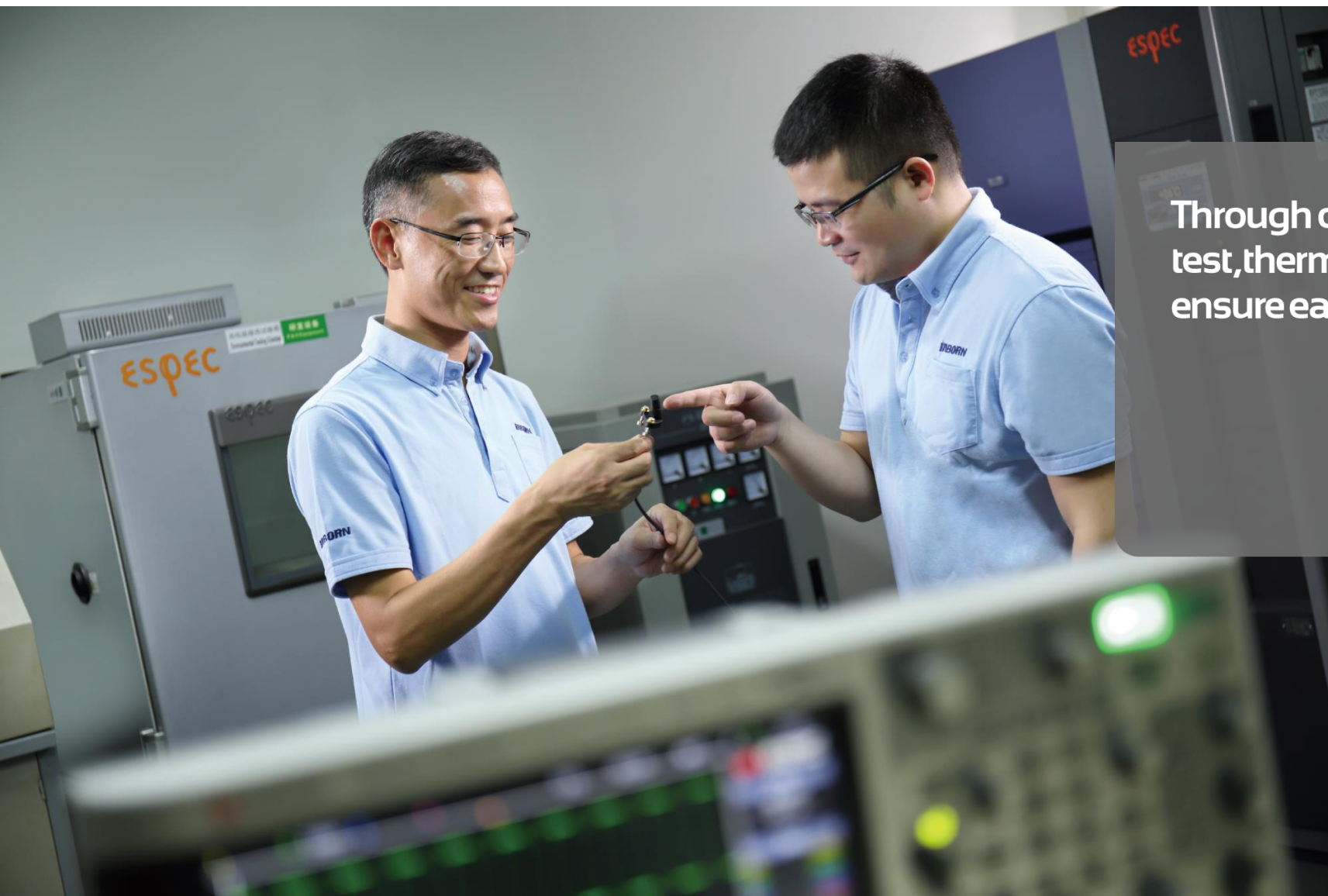
Product Test
产品检测

We make 100% inspection for semi-finished product and finished product to ensure the quality of each product.

我们对半成品及成品做两次100%精确检测，
确保每一款传感器品质都始终如一



Intelligent detector
智能型检测仪

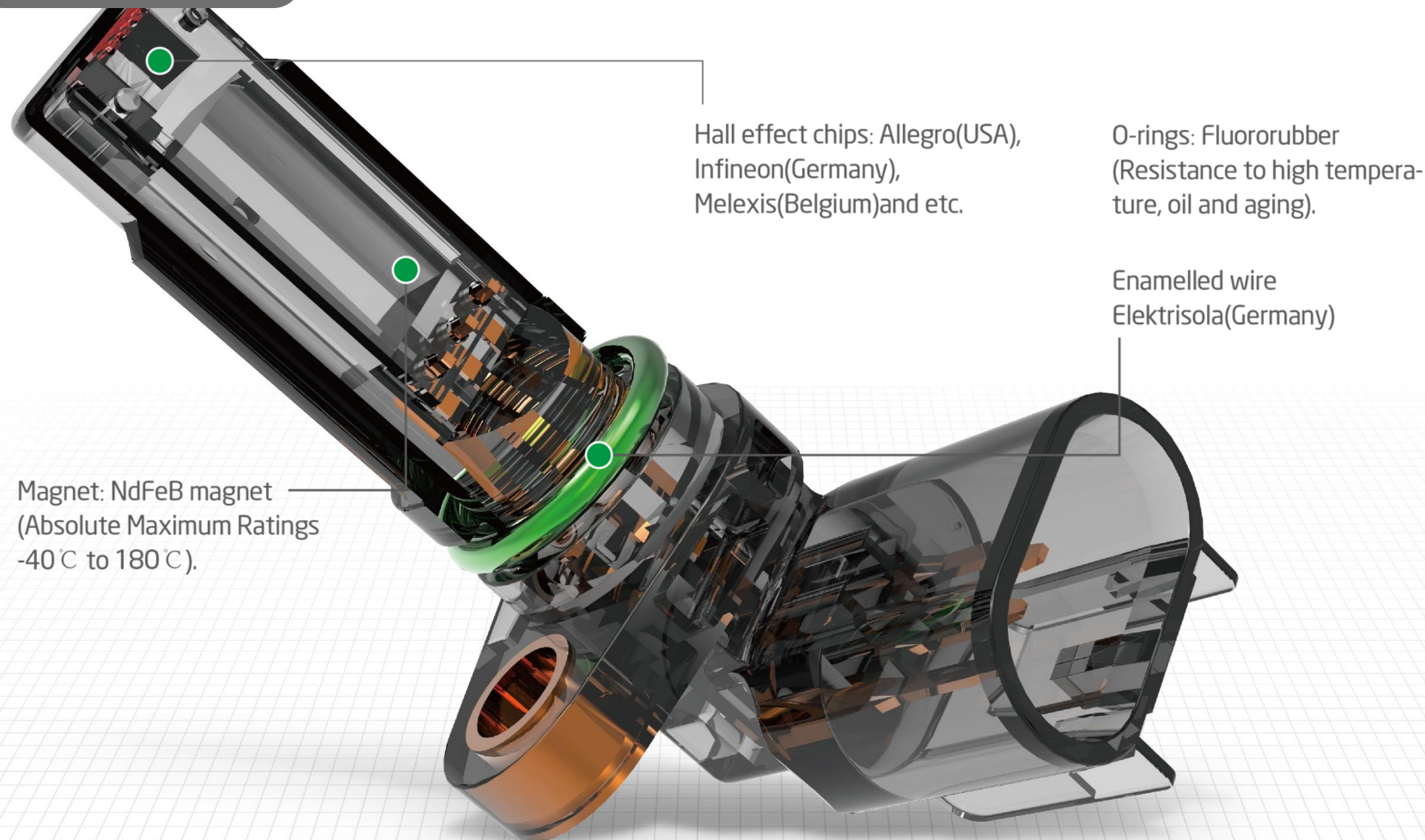


Through dynamic high and low temperature test, thermal shock, life test and vibration test, ensure each new product safe and reliable.

通过动态高低温测试，冷热冲击，寿命试验
振动试验，保证每款新品安全可靠

**ESPEC environmental
chamber (Japan)**

日本ESPEC环境试验箱



The Hall-effect which we use is as same as OE sample , we buy from Allegro, Honeywell (USA) & Infineon, Melexis (Germany), etc.

霍尔芯片选用和OE样一致:(品牌)



Guarantee for ABS Wheel Speed Sensor and Crankshaft /Camshaft Position Sensor is 2 years from B/L date or 100000Kkm.

ABS轮速传感器、曲轴/凸轮轴传感器的品质保证：提单日后2年或者10万公里

The brand of enameled wire is Elektrisola

漆包线选用德国益利素勒



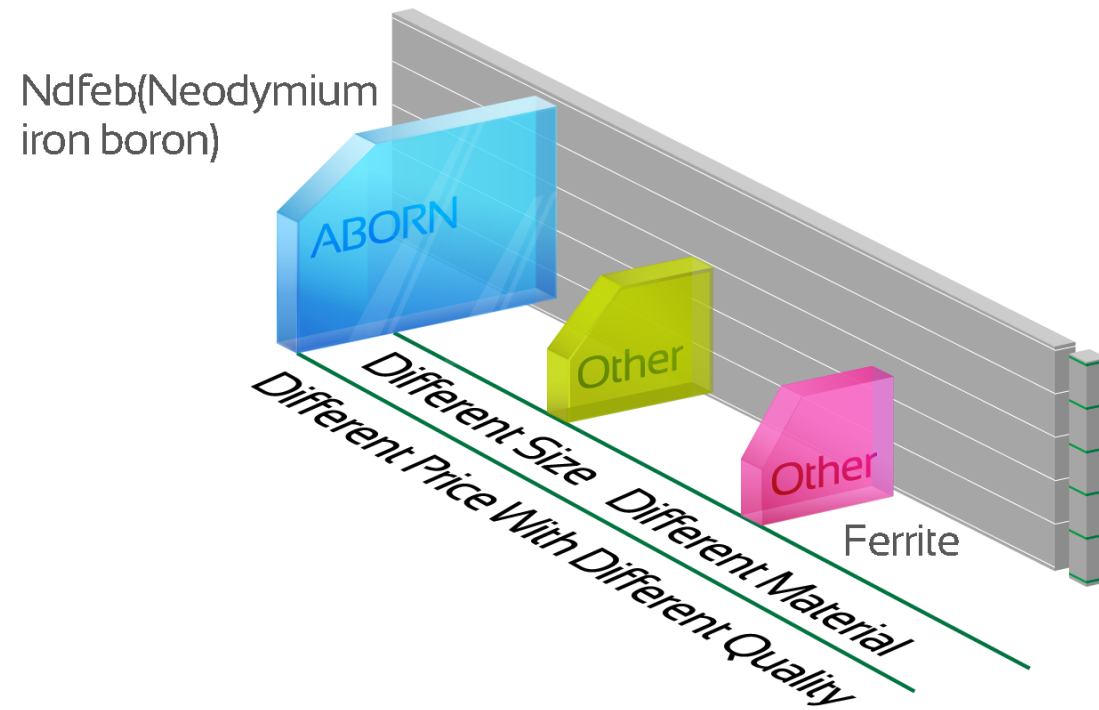
The material of the seal ring is Fluorocarbon rubber (Proof-oil, Abrasion resistant, heat resistance)

The unit price of Fluorocarbon rubber is around \$0.1, for normal rubber the unit price is only around \$0.01

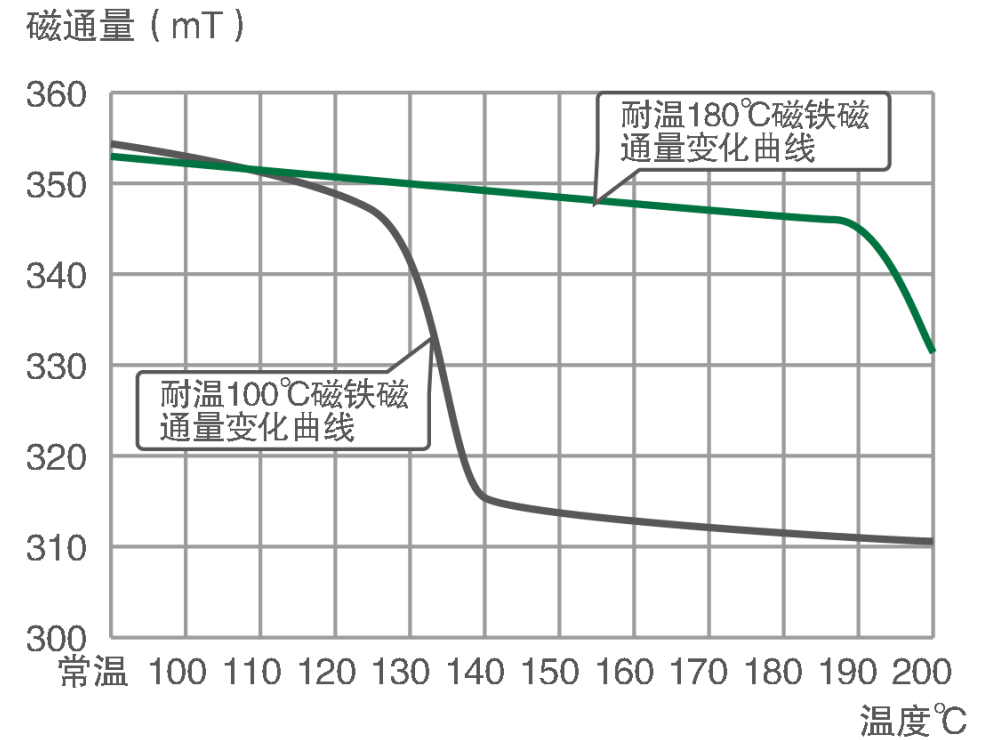
密封圈选用氟橡胶（防油、耐高温、耐磨）

Using High-quality Magnet,
thermostability is more than 180°C

磁铁选用国内高品质磁铁（耐高温 $\geq 180^{\circ}\text{C}$ ）



Magnetic flux comparison chart
磁铁磁通量耐温变化对比曲线







Main Products
主要产品

Crankshaft / Camshaft Position Sensor, Around 600 Items

曲轴/凸轮轴位置传感器, 近600款



Main Products
主要产品

ABS Wheel Speed Sensor Around 500 Items

ABS轮速传感器, 近500款



Application
产品应用车型



Market
市场分布



Turnover
销售份额

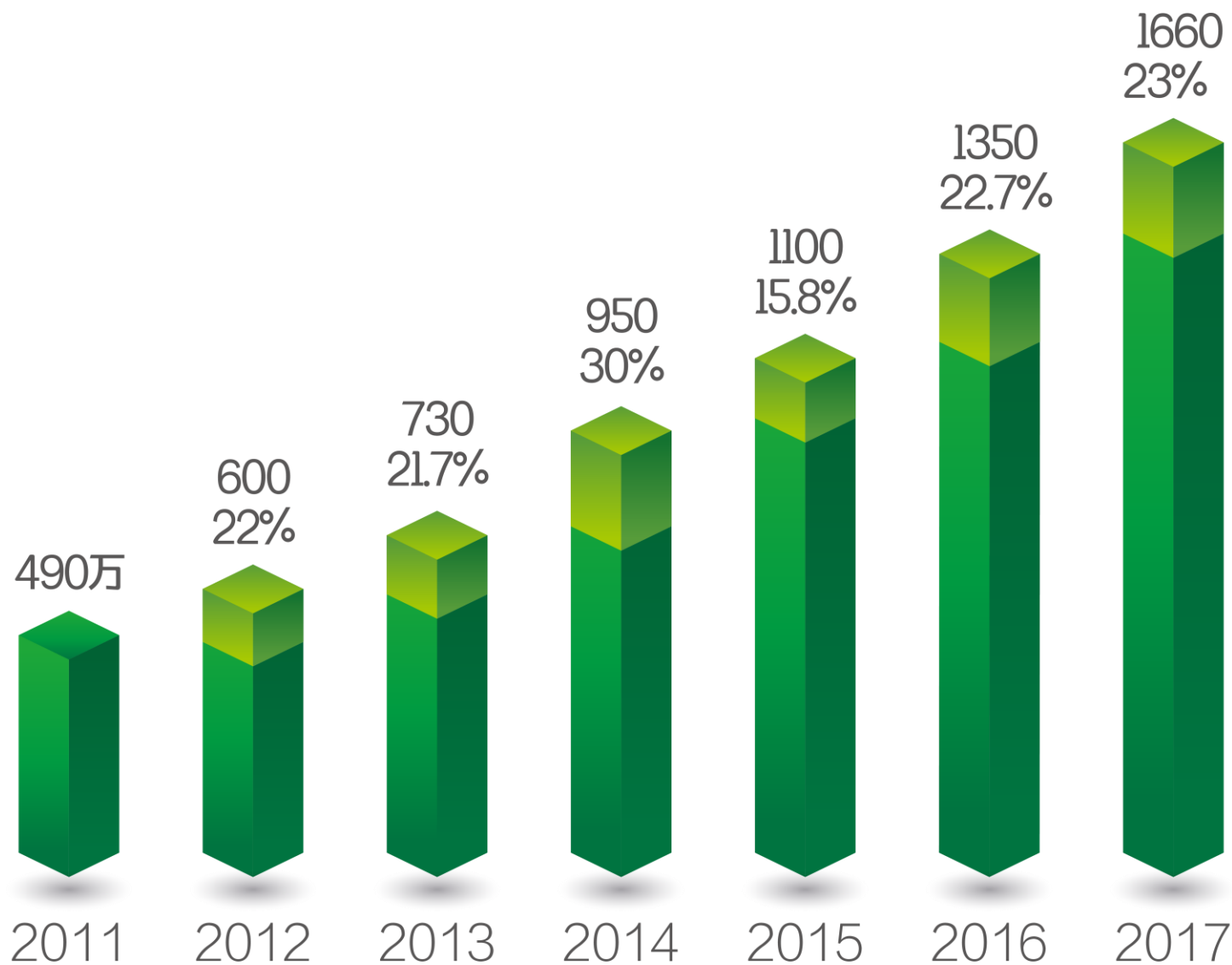
单位: 万美元
Unit: 10 Thousand USD



销售额
Turnover



同比增长率
Year-to-year growth





ACTIVITIES

企业活动





Efficient work, Happy life

高效工作 快乐生活



Thanks

www.aborn.cn



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