



# BOXIANG 博翔泵业 WATER PUMP

Professional Water Pump Manufacturer







**2003**

Established YUHUAN KANMEN BOXIANG WATERPUMP FACTORY (predecessor of BX).  
成立玉环坎门博翔水泵厂（BX的前身）

**2012**

Renamed to YUHUAN BOXIANG WATERPUMP CO., LTD.  
Entered European, North American, and South American markets.  
公司更名为玉环博翔泵业，进入欧洲、北美、南美市场

**2013**

Entered the Chinese OE market, **Dongfeng Motor**, etc.  
进入中国OE市场，东风汽车等

**2018**

The new factory officially began production.  
BX moved into Yuhuan Marine Economic Transformation Zone.  
新工厂迁入玉环海洋经济转型区

**2019**

Gained entry into the supply systems of many renowned international brands  
进入众多国际知名品牌供应系统

**202...**

BX is diligently pursuing ongoing development and progress  
博翔一直且努力追求持续的发展和进步





EMPLOYEE  
员工

127 people  
127 人



SALES TURNOVER  
销售额

\$17.14  
million  
1714万 美金

≈ 1.2亿人民币 (¥ 120 million)

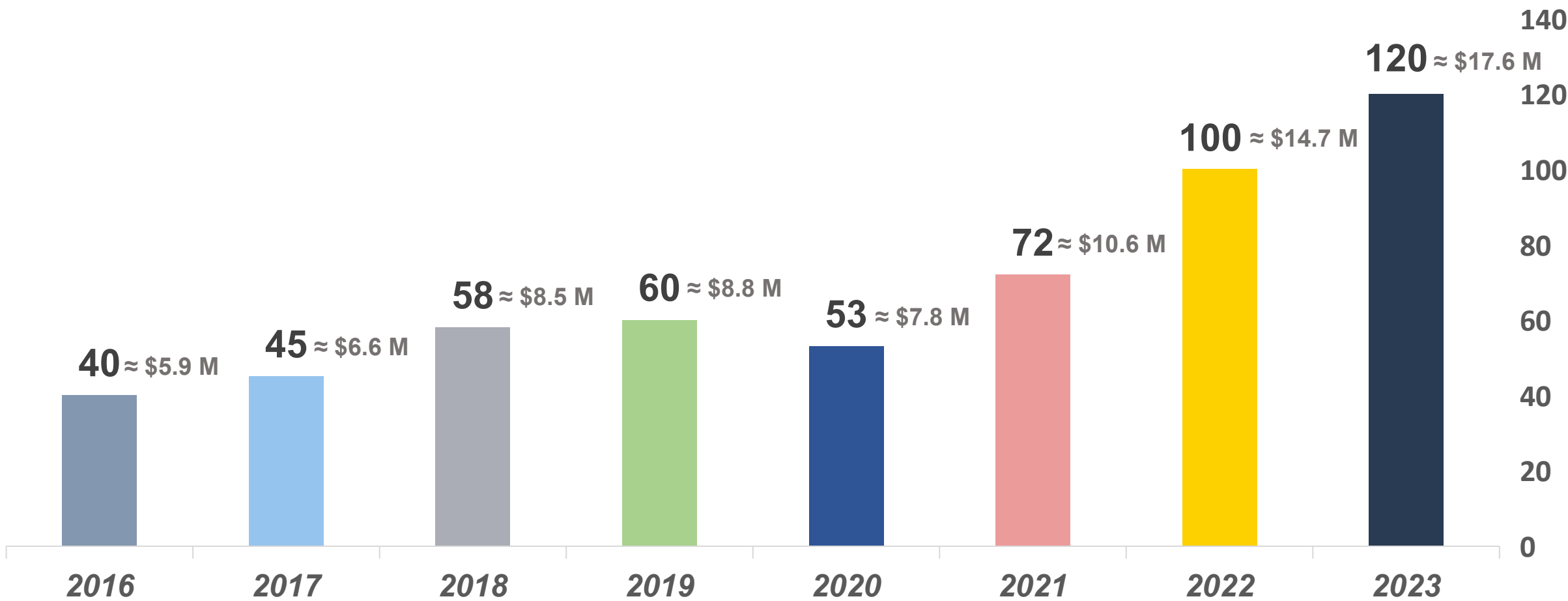


ANNUAL VOLUME  
年销量

2.1 million sets  
210 万套

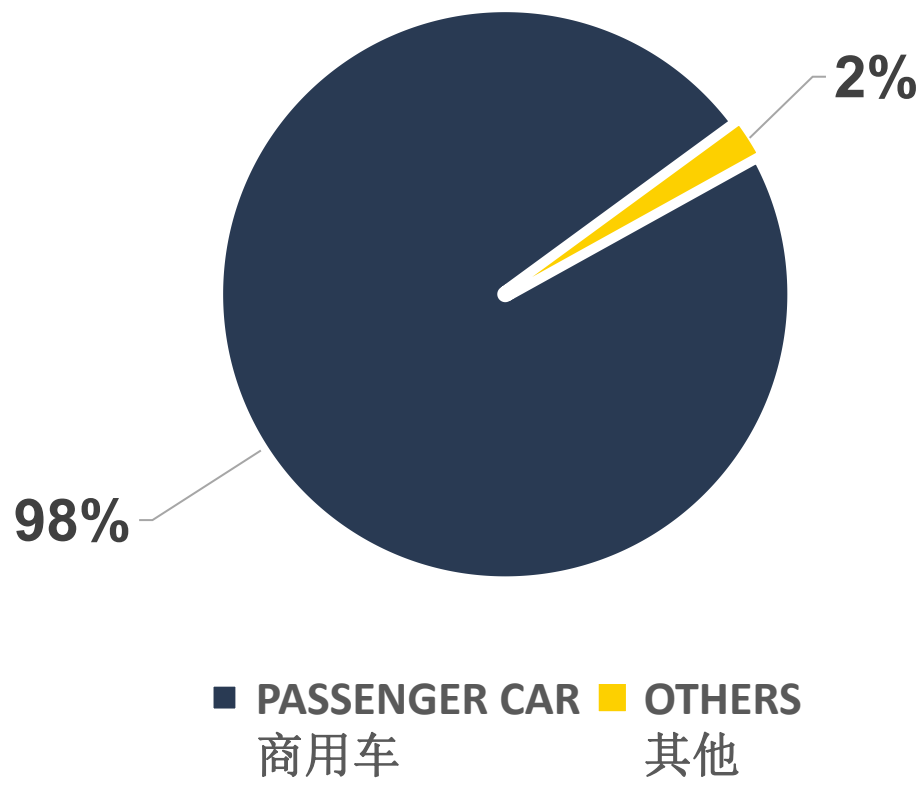


Sales Turnover (RMB:million)  
销售额（百万RMB）

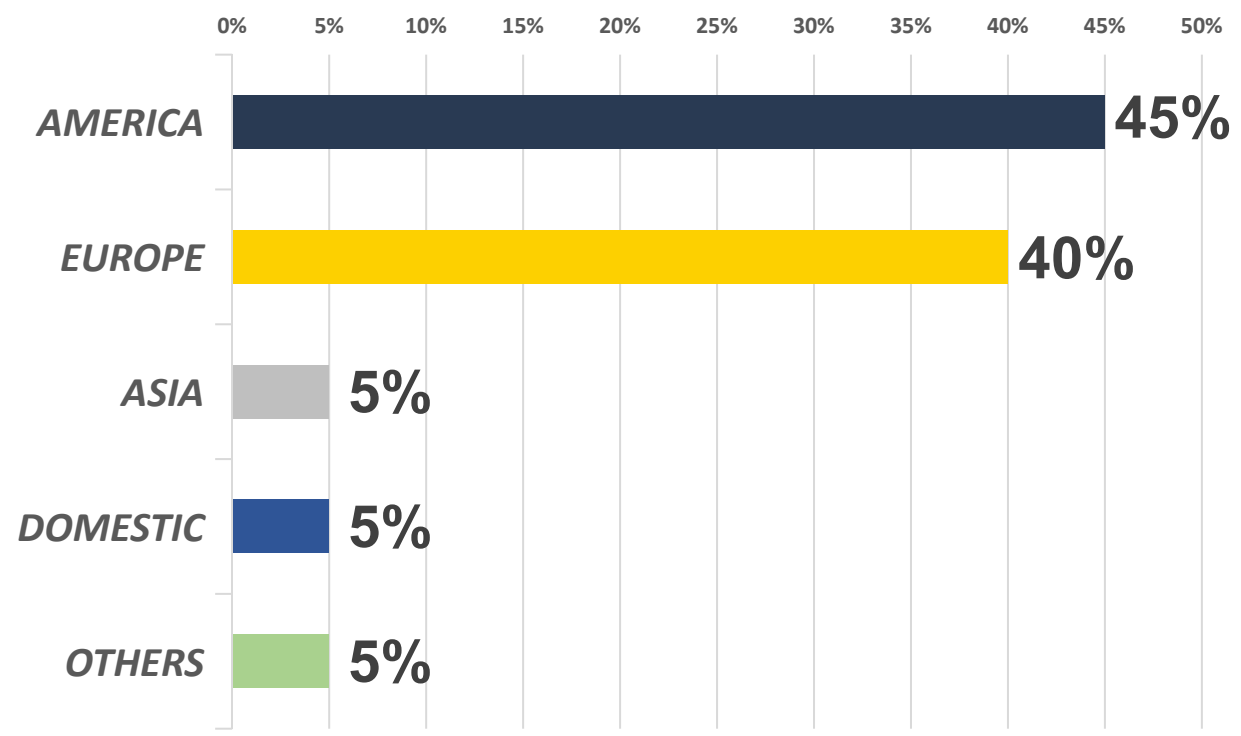




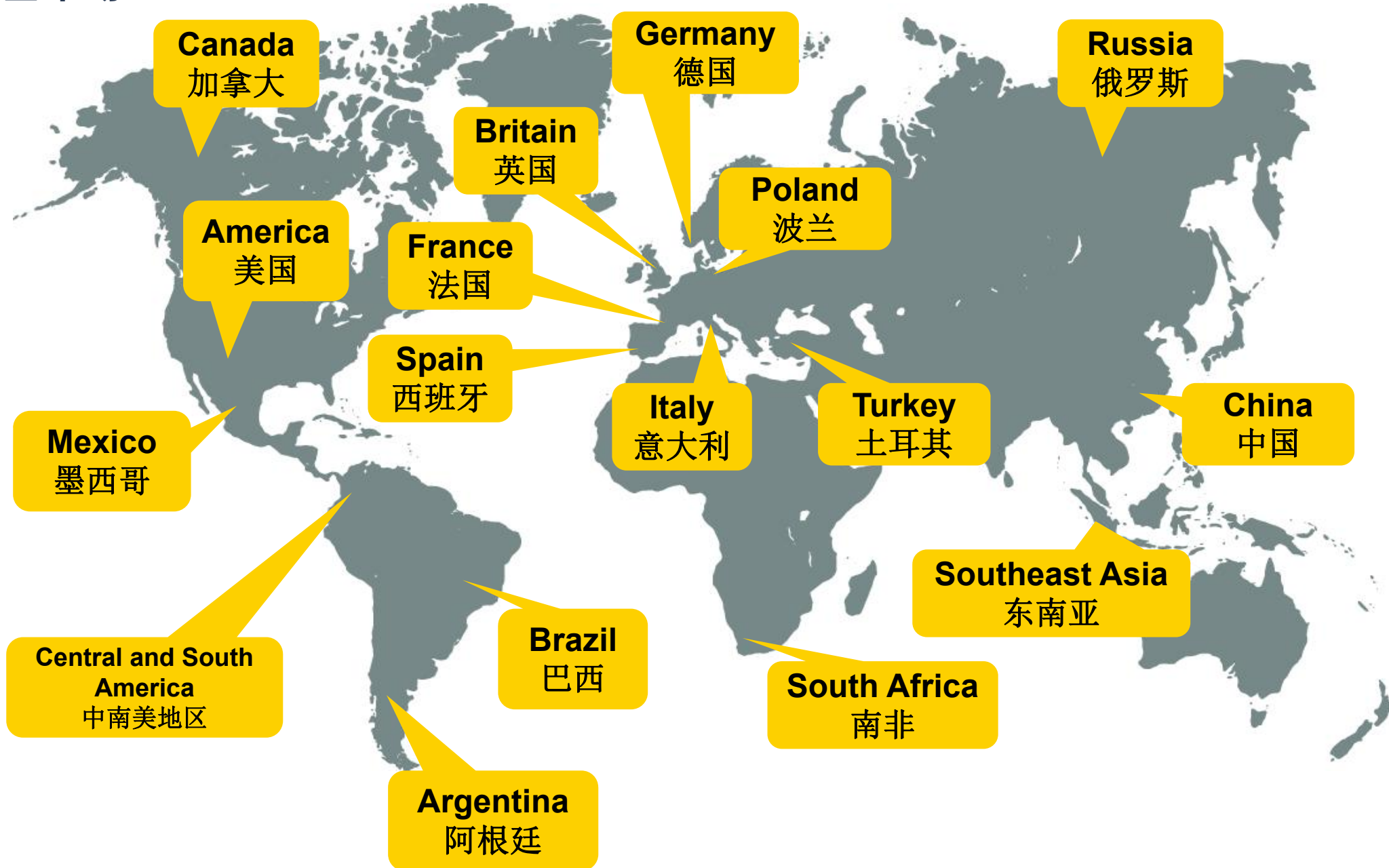
Sales Volume (By vehicle type)  
销售量（按车型）



Sales Volume (By region)  
销售量（按地区）





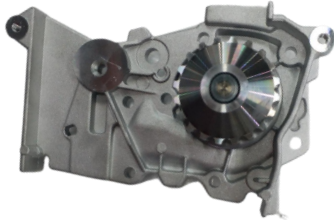







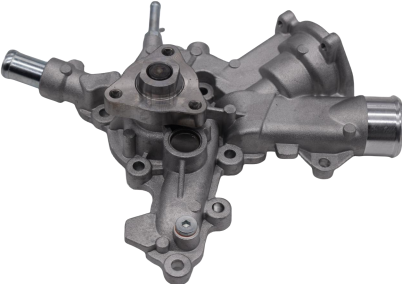







汽车发动机冷却水泵总成  
Auto engine cooling  
WATER PUMP assembly



<b>CHEVROLET</b> 	<b>CHRYSLER</b> 	<b>NISSAN</b> 	<b>ISUZU</b> 
<b>MERCEDES-BENZ</b> 	<b>BMW</b> 	<b>FORD</b> 	<b>HONDA</b> 
<b>MAZDA</b> 	<b>FIAT</b> 	<b>OPEL</b> 	<b>ROVER</b> 





# WATER PUMP STRUCTURE

## 水泵构造

### Pulley 带轮

In close cooperation with the bearing, the press load is precisely controlled to withstand the force from the pulley.  
带轮和轴承紧密配合,精确控制压装载荷,确保其能够承受来自皮带轮的扭矩。

### Rubber steel gasket 带胶钢垫

High-quality steel gaskets prevent leaks between mounting surface  
高品质密封垫杜绝了安装面之间的泄露。

### Mechanical seal 机械密封/水封

High-quality, long-life water seals prevent coolant leakage and ensure trouble-free pump operation.  
高品质、长寿命的一体式水封能有效阻止冷却液泄露,确保水泵无忧工作。

### Steel gasket & bolt 钢垫及螺丝

### Housing 下盖

One-piece design saves user installation time and reduces maintenance failure rates.  
一体式设计,减少用户安装时间,有效降低维修故障率。

### Impeller 叶轮

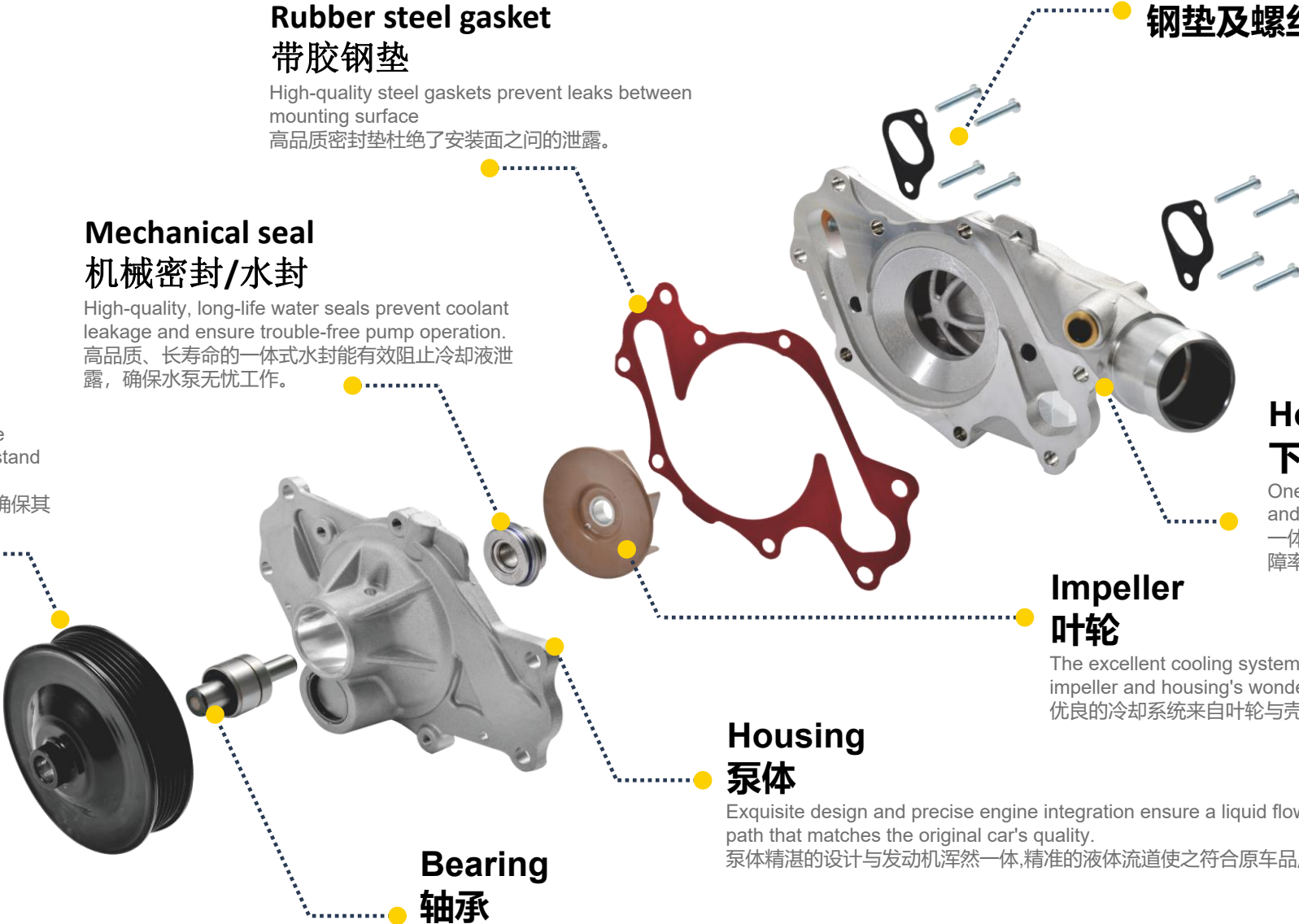
The excellent cooling system is achieved through the impeller and housing's wonderful cooperation.  
优良的冷却系统来自叶轮与壳体的绝妙配合

### Housing 泵体

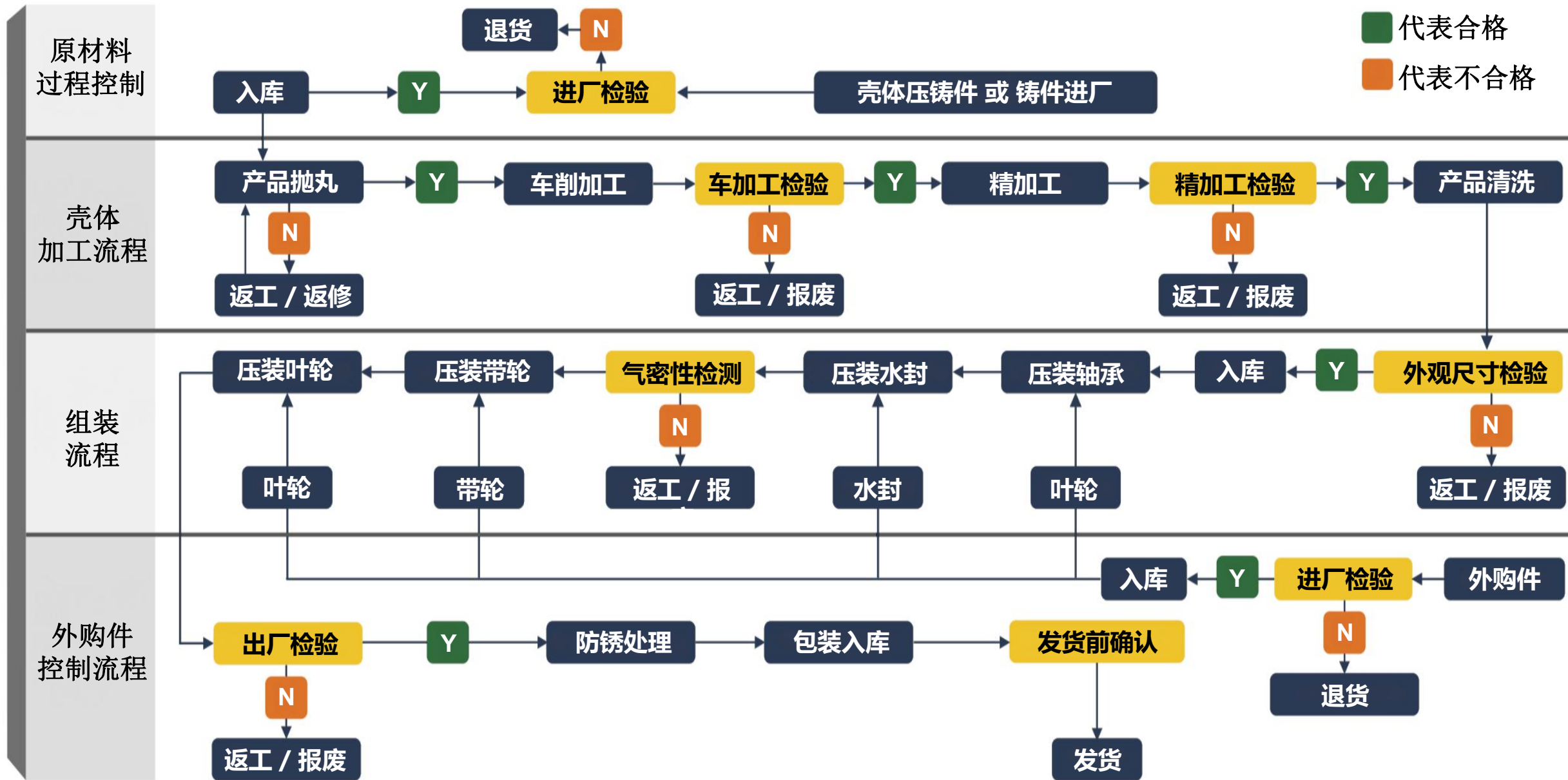
Exquisite design and precise engine integration ensure a liquid flow path that matches the original car's quality.  
泵体精湛的设计与发动机浑然一体,精准的液体流道使之符合原车品质。

### Bearing 轴承

With high revolutions and increased load capacity, it can withstand workloads from belt tension and fans.  
具有高转速和更大的承载能力的轴承,能够承受来自皮带张力和风扇的工作负荷。









# Housing processing flow 壳体加工流程



Shot blasting  
产品抛丸



Turning  
车削加工



Turning inspection  
车加工检验



Product cleaning  
产品清洗



Finishing inspection  
精加工检验



Finishing  
精加工



# Assembly process 组裝流程



Visual inspection

外观检查 (可视)



Assembling of bearing  
by sensor  
传感器装配轴联轴承。



Positional assembling  
of water seal  
定位组装水封



100% inspection of seal  
performance  
100%测试密封性



Dimensional measurement  
base on the test report & visual  
inspection  
检验报告单尺寸测量 & 目视检查



Assembling of impeller by  
sensor  
传感器装配叶轮



Assembling of pulley by  
sensor  
传感器装配皮带轮



# TUV Certificate



## CERTIFICATE

The management system of

### Yuhuan Boxiang Pump Industry Co., Ltd.

East of No. 1 Suifeng Road, Xuanmen 3rd Industry Park,  
Yuhuan City, Taizhou City |  
317600 Zhejiang | China

has been assessed and certified as meeting the requirements of:

**IATF 16949:2016**  
(1st edition, 01/10/2016)

Scope of certification:

**Manufacturing of engine water pump assemblies**

without product design responsibility

Issue Date 15/11/2021  
Expiry Date 14/11/2024  
**Certificate No. DB00904**  
**IATF registration No. 0434805**

Dipl. Wirtsch.-Ing. (FH) Thorsten Greiner, Managing Director  
**TÜV**® Saarland Certification GmbH  
Am TÜV 1 | 66280 Sulzbach/Saar | Germany  
T +49 (0) 68 97 506 0 | cert@tuv-saar.com  
Release Date: 15/11/2021



2-IAO-QMC-01006

Page 1 of 1

CN/A/881666  
TÜV®



## 证书

下述组织

### 玉环博翔泵业有限公司

浙江省台州市，玉环市漩门三期工业区岁丰路1号东 | 中国

的管理体系已经过审核，并被证明符合下述要求

**IATF 16949:2016**  
(第一版，01/10/2016)

所涉及的活动及范围

发动机水泵总成的生产

不含产品设计职责

签发日期 15/11/2021  
有效日期 14/11/2024  
证书注册编号 DB00904  
IATF 注册编号 0434805

Dipl. Wirtsch.-Ing. (FH) Thorsten Greiner, Managing Director  
**TÜV**® Saarland Certification GmbH  
Am TÜV 1 | 66280 Sulzbach/Saar | Germany  
T +49 (0) 68 97 506 0 | cert@tuv-saar.com  
Release Date: 15/11/2021



2-IAO-QMC-01006

Page 1 of 1

CN/A/881665  
TÜV®





## Comprehensive testing machine





**A**

Inspection of components  
零配件入厂检测

**B**

Machining production process control  
机加工生产过程控制

**C**

Machining and production equipment  
机加工生产设备

**D**

Assembly line production process control  
组装线生产过程控制



# A

## Inspection of components 零配件入厂检测



### Pull-out force testing machine of water pump 水泵拉拔试验机

Test the pull-out force between bearing and housing, pulley and impeller  
测量轴联轴承与水泵泵壳、皮带轮、叶轮、水封之间的拔脱力，亦可测轴的拉力试验



# A

## Inspection of components 零配件入厂检测



Rockwell/Brinell hardness tester 洛氏 / 布氏硬度计

Test the surface hardness of water pump components  
测试水泵部件的表面硬度



A

Inspection of components  
零配件入厂检测



Bearing vibration measurement 轴承振动测量仪

Test vibration of WATER PUMP bearing  
测量轴承速度及加速度的噪音值



A

Inspection of components  
零配件入厂检测



Wire-cutting measurement 线切割测量毛坯气孔



**A**

Inspection of components  
零配件入厂检测

**B**

Machining production process control  
机加工生产过程控制

**C**

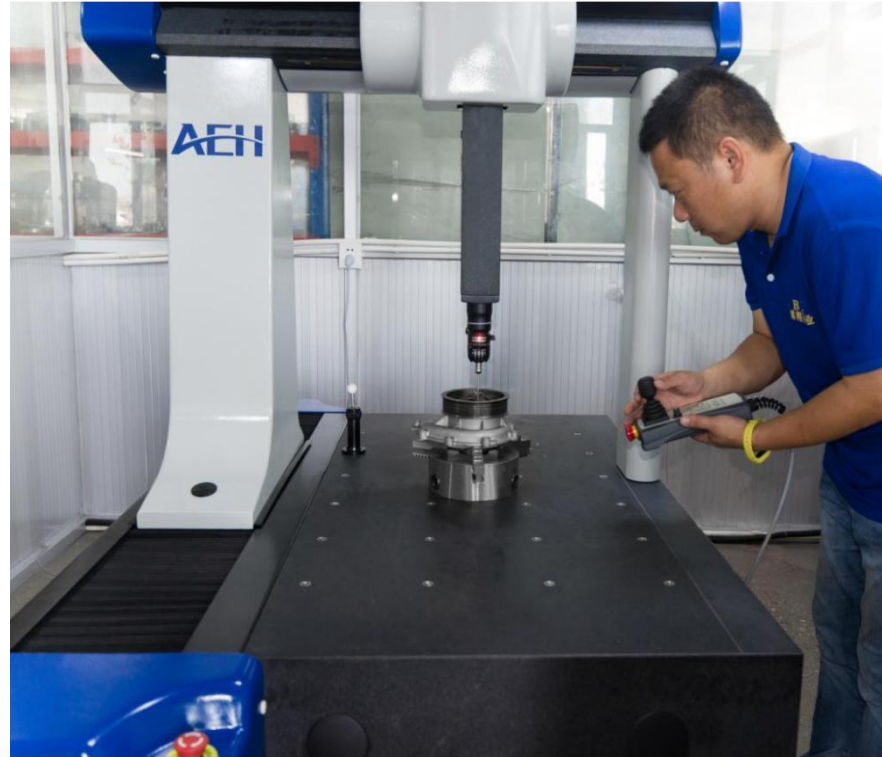
Machining and production equipment  
机加工生产设备

**D**

Assembly line production process control  
组装线生产过程控制



## B Machining production process control 机加工生产过程控制

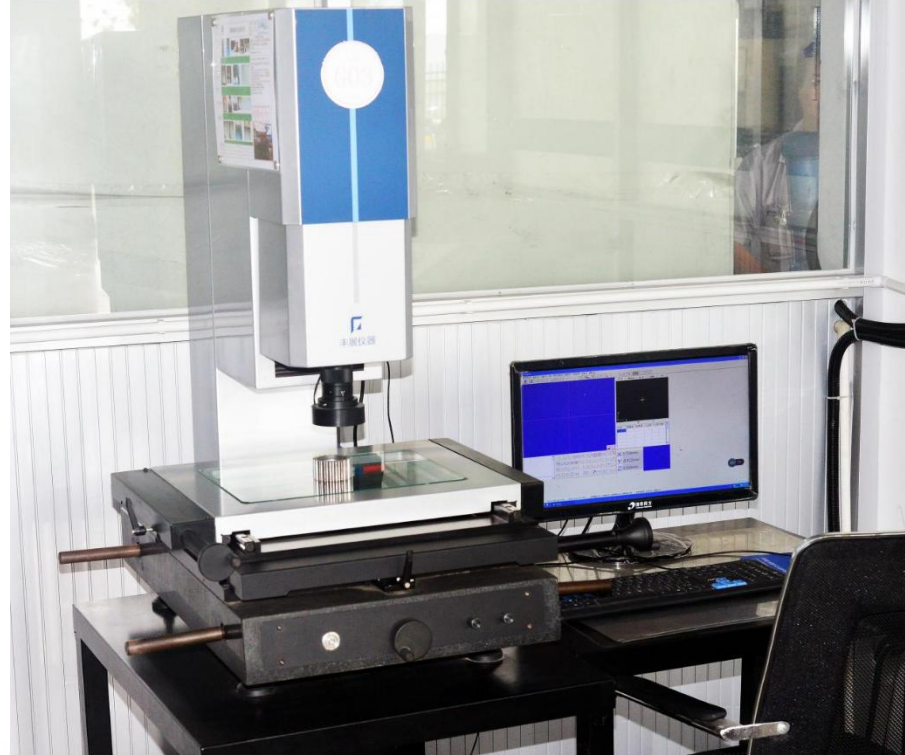


CMM coordinate measuring machine 三坐标测量仪

Evaluate water pump data quickly and accurately to provide useful information for mold development  
快速准确地评价水泵数据，提供模具开发的有用信息



## B Machining production process control 机加工生产过程控制



Two-dimensional image tester 二维图像测试仪

Check the shape and profile of pulley and hub  
检查滑轮和轮毂的形状和轮廓



## B Machining production process control 机加工生产过程控制



Partial palce meter, dial indicator (coaxiality, runout) 偏摆仪 百分表

Test the radial runout and end runout of bearing, pulley and other components  
检测轴承、带轮等配件的径向圆跳动和端面圆跳动



## B Machining production process control 机加工生产过程控制



Gage (degree of position) 检具（位置度）

Measure the hole position and size of the housing  
测量以确保壳体的孔位、尺寸



**A**

Inspection of components  
零配件入厂检测

**B**

Machining production process control  
机加工生产过程控制

**C**

Machining and production equipment  
机加工生产设备

**D**

Assembly line production process control  
组装线生产过程控制



C

Machining and production equipment  
机加工生产设备



Robot arm - Manipulator oblique rail CNC lathe  
机械臂斜轨数控车床



C

Machining and production equipment  
机加工生产设备



Four-axis machining center  
四轴加工中心



C

Machining and production equipment  
机加工生产设备



Vertical drilling machining center  
立式钻孔中心



C

Machining and production equipment  
机加工生产设备



CNC Lathe  
数控车床



C

Machining and production equipment  
机加工生产设备



Automatic rinser  
自动清洗机



**A**

Inspection of components  
零配件入厂检测

**B**

Machining production process control  
机加工生产过程控制

**C**

Machining and production equipment  
机加工生产设备

**D**

Assembly line production process control  
组装线生产过程控制



## D Assembly line production process control 组装线生产过程控制



Servo press with sensor mounting bearing  
带传感器司伏压机 压装轴承



## D Assembly line production process control 组装线生产过程控制



Servo press with sensor pressing water seal  
带传感器司伏压机 压装水封



## D Assembly line production process control 组装线生产过程控制



Double station online test table  
双工位在线试验台



## D Assembly line production process control 组装线生产过程控制



Servo press with sensor pressing pulley  
带传感器伺服压机 压装皮带轮



## D Assembly line production process control 组装线生产过程控制



Servo press with sensor pressing impeller  
带传感器伺服压机 压装叶轮





## BENEFITS FOR OUR PARTNERS

### 博翔的优势

- / **Using 100% high-frequency bearings**  
**使用100%高频轴承**
- / **Using seals from well-known brands**  
**使用知名品牌密封件**
- / **No minimum order quantity required**  
**无需起订量**
- / **6,000 square meters of storage, 3-month safety stock**  
**6000平方米仓储, 3个月安全库存**
- / **More than 1200 total models**  
**总型号超过1200种**





## BENEFITS FOR OUR PARTNERS

### 博翔的优势

- / **Continuously developing new models**  
**持续开发新型号**
- / **Technical documentation's supply capacity includes PPAP documents, 8D reports, etc.**  
**技术文档供应能力包括PPAP文件、8D报告等**
- / **Disposable CNC machine tool processing to ensure accurate shell dimensions**  
**一次性数控机床加工，确保壳体尺寸精准**
- / **Use ERP system, efficient management, real-time data, optimize process**  
**使用ERP系统，高效管理，实时数据，优化流程**
- / **High-quality after-sale service**  
**优质的售后服务**





# **BOXIANG** 博翔泵业 **WATER PUMP**

Professional Water Pump Manufacturer

# **Thank you**

# 感谢