

上海碧珑机械有限公司
Shanghai Belon Machinery Co.,Ltd



全国专业齿轮（零件）制造的领先者之一
Leading Manufacturer Of Gears & Shafts Nationally

企业简介 Company presentation



| COMPANY OVERVIEW

Founded in 1992 ,The company has been focusing on gear production for more than 25 years .25 years of the precipitation and accumulation have created our excellent .

 1000

Company Employee

 170000 /m³

Company Area

A Well Knowledgeable and Managed Partner



Patents total **31** 项

Invention Patents 发明专利 **9** 项



150 9001:2015

Quality management system certification

IATF 16949

quality management system certification

150 14001

Environment system certification

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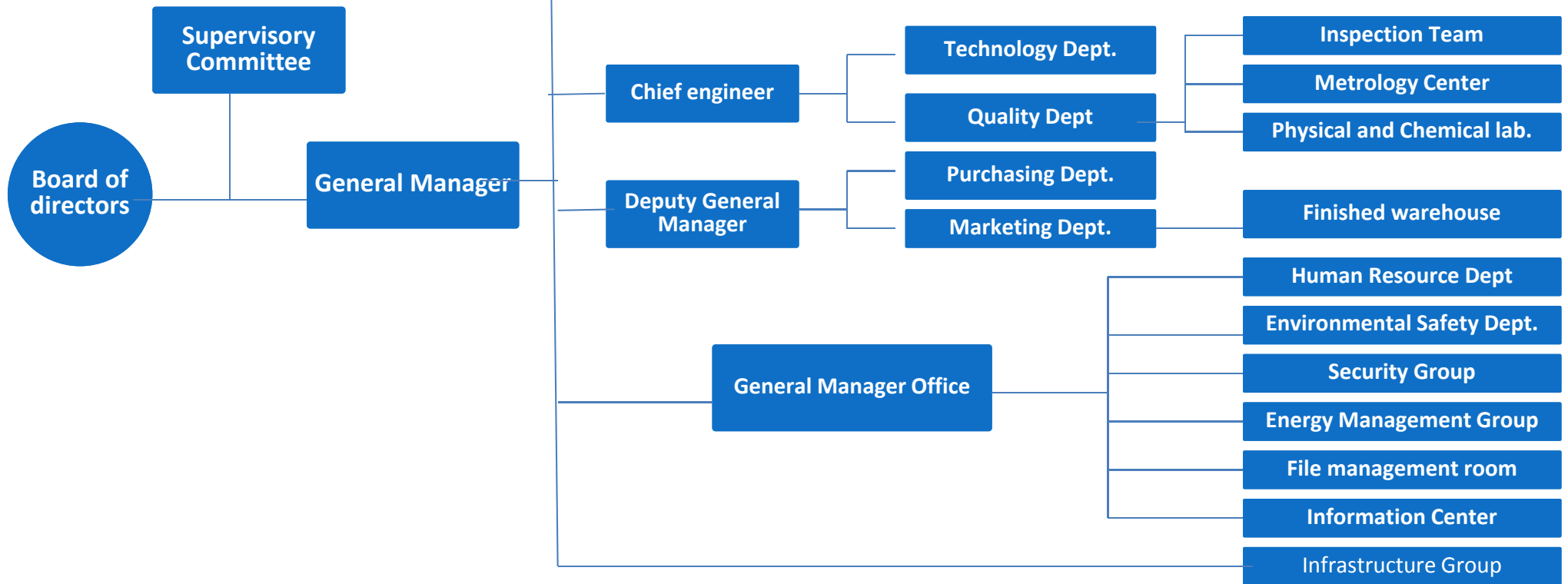
02 工程能力 Engineering capability

03 质量保证 Quality assurance

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组织结构 Organization structure

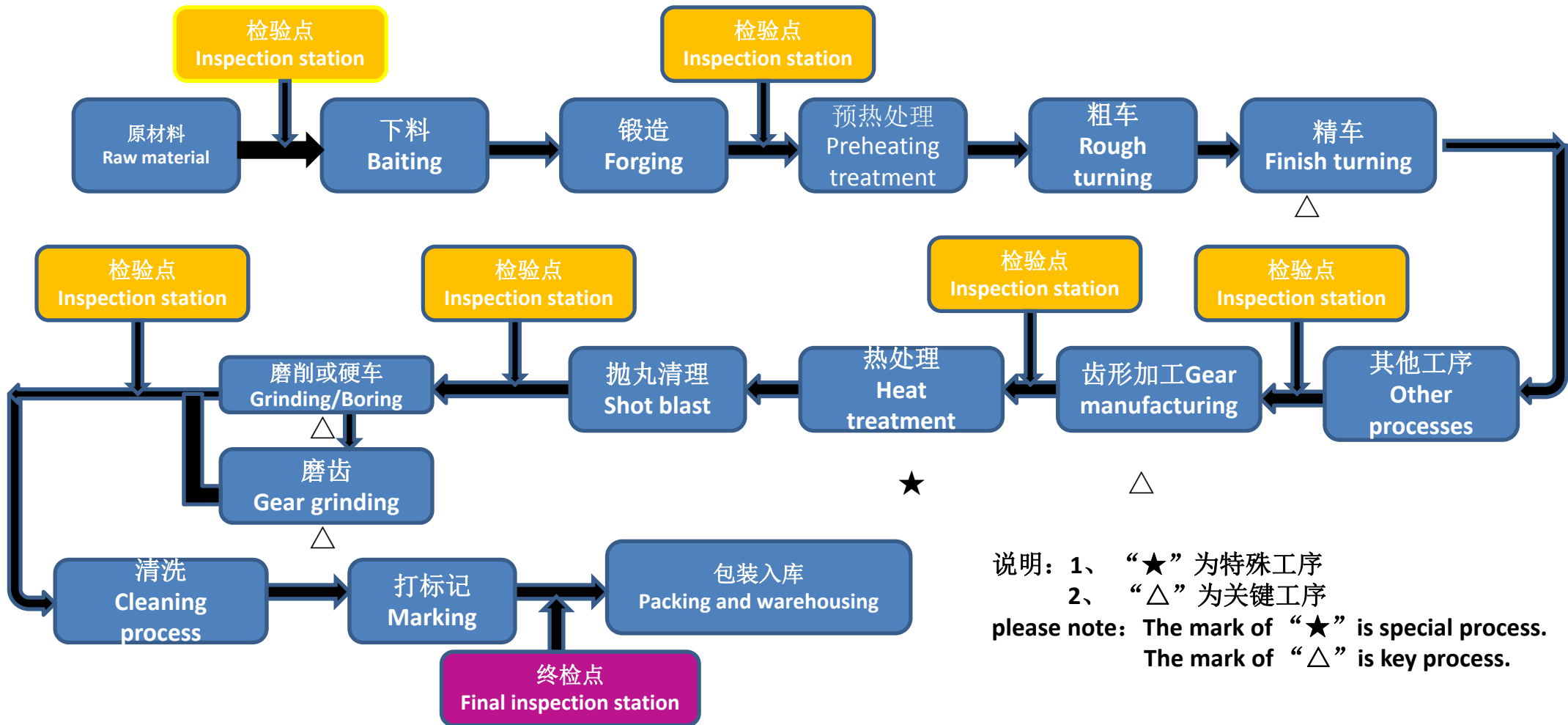




02 工程能力

Engineering capability

工程能力 Engineering capability



锻压Forging

设备配置:18组锻造线, 使用200KW到1100KW的中频加热、其中摩擦压力机630T2台、1000T2台、1600T1台、热模锻压力机160T4台、315T2台、630T2台、滚锻机500直径2台、1000直径1台。
可实现0.5KG到100KG的各种规格锻造成型。

Equipment layout :18 sets of production equipment, including medium frequency reheating furnace(200KW - 1100KW), friction press(2pcs 630ton, 2pcs 1000ton, 1pcs 1600ton), hot die forging press (4pcs 160ton, 2pcs 315ton, 2pcs 630ton)and roll forging machine(diameter range :500mm).

Production Range: (0.2KG - 100KG).

公司在2020年将新建面积为8000m²的锻压车间以替代目前车间, 建设后车间将拥有200T到5000T生产线15条, 可加工产品直径最大到1000mm, 可生产零件最大重量为250KG, 产能为每年5万吨

Our company plans to complete the expansion of the forging workshop (8000m²) by 2020. At that time, the workshop will have 15 production lines and plan to provide 50 thousand tons products each year . Besides , the product weight will up to 250KG and the diameter will up to 1000mm.



数控加工CNC turning

设备配置:全功能数控车床410台，其中立式数控车床68台，设备品牌有MAZAK、DOOSAN等。

直径范围:10-1000mm

年加工能力:1500万件

Equipment type: 410 full function CNC lathes , including 68 vertical lathes. the brand has MAZAK/ DOOSAN ETC.

Diameter Range : 10-1000mm.

Annual output: 15 million pieces



加工中心machining center

设备配置:100台加工中心，设备品牌有MAZAK、Okuma、DMG，台湾快捷等其中卧式35台

工件最大直径：1500mm

年生产能力：300万件

Equipment type : 100 sets of machining centers and the brand has MAZAK/ Okuma/ DMG, including 35 horizontal machining centers.

Maximum diameter : 1500mm

Annual output: 3 million pieces



齿形加工Gear manufacturing

设备配置：330台加工设备,其中数控滚齿机 110 台，数控插齿机/刨齿机103台，数控剃齿机50台，立式拉床 16台

直径范围: 10-800mm, **模数**:0.5~16

年生产能力：1500万件

Equipment type :330 equipments: including 110CNC gear hobbing machines, 103 CNC shaping machines, 50 CNC shaving machines, 16 vertical broaching machines.

Diameter range: 10-800mm, **modulus**: 0.5~16

Annual output:15 million pieces



热处理Heat treatment

设备配置： Ipsen等热处理加工设备41台，其中连续渗碳炉3条，多用炉18台，高频感应淬火设备5台，大型氮化炉4台，大型井式炉3台，等温正火线1条，调质线1条
年生产能力： 1.8万吨

Equipment type : 41 sets heat treatment equipment. including 3 lines of continuous carburizing furnace, 18 multipurpose furnace, 5 high frequency induction quenching equipment, 4 large nitriding furnaces, 3 large well type furnaces, 1 isothermal normalizing production line and 1 hardening and tempering production line.

Annual output: 18 ,000 tons



磨削加工Grinding

设备配置:日本喜基亚、津上等数控外圆磨床59台，数控内圆磨39台，半自动磨床50余台
年生产能力：1200万件

Equipment type : 59 Japan Shigiya, Tsugami CNC external cylindrical grinding machines ,39 CNC internal grinding machines, 50 semi-automatic grinding machines.

Annual output: 12 million pieces



MK1620/500 数控外圆磨床
MK1620/500 CNC external grinder



MK-2110 数控内圆磨床
MK-2110 CNC internal grinder



磨齿gear grinding

设备配置：利勃海尔、SU等磨齿机 12台
年生产能力：150万件

Equipment type : 12 gear grinding machines produced by Liebherr /SU/Reishauer.
Annual output: 1500 thousand pieces



工具修磨Tool repair mills

生产配置：SU剃刀磨、滚刀磨、插齿刀磨

Equipment type : SU shaver grinding machine, hobbing cutter grinding machine and gear shaping grinding cutter machine



桥箱装配线 Bridge box assembly line





03 质量保证

Quality assurance

质量保证Quality assurance

材料理化实验室Material physical and chemical lab.

功能：

- 1、原材料化学成分分析
- 2、材料机械性能分析

设备配置：奥林巴斯高精密金相显微镜、显微硬度计、光谱分析仪、分析天平、万能拉伸试验机、冲击试验机、端淬试验机等

Function:

1. Chemical composition tests of raw materials
2. Mechanical properties analysis of materials

Equipment type : high-precision metallographic microscopes produced by Olympus, Microhardness tester, spectrograph , analytical balance , tensile testing machine , impact testing machine , end quenching tester etc.



显微硬度计
Microhardness tester



JY501 型光谱分析仪 (法国)
JY501 spectrum analyzer (France)



卡尔 - 蔡司显微镜
Carl Zeiss microscope



质量保证Quality assurance

计量中心

设备配置：海克斯康、蔡司0.09mm克林贝三坐标测量机。德国克林贝格P100/P65/P26齿轮测量中心、德国马尔圆度仪、粗糙度仪、轮廓仪、投影仪、测长仪等

Equipment type : Brown & Sharpe three-coordinate measuring machine , Colin Begg P100/P65/P26 measurement center, German Marl cylindricity instrument , Japan roughness tester , Optical Profiler , projector , length



质量保证Quality assurance



公司于2019年完成ISO14001: 2015环境管理体系认证；计划于2021年完成ISO16001:2007职业健康安全管理体系认证

we get the ISO14001:2015 environmental management system certification by 2019, and to get the ISO16001:2007 occupational health and safety management system certification by 2021.

科技创新 Innovation ability

公司目前拥有发明专利9件，实用新型专利31件

At present, we have 9 invention patents and 31 practical and novel patents





05 产品展示

Products

汽车齿轮 automobile



农业机械 Agricultural



大型工程机械行星减速机行走及回转机构产品 (PS02)

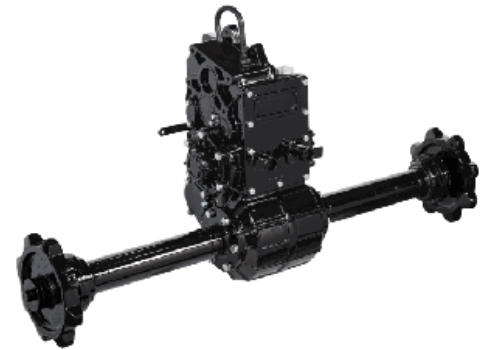


工程机械Construction machinery



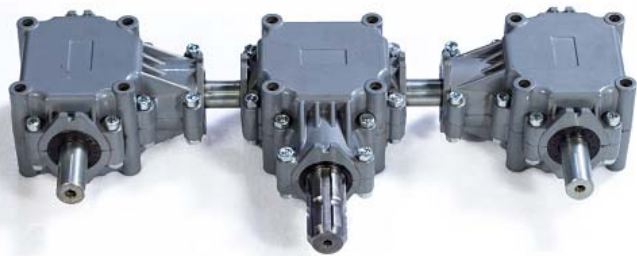
农业机械驱动桥箱

Drive axle box for agricultural machinery

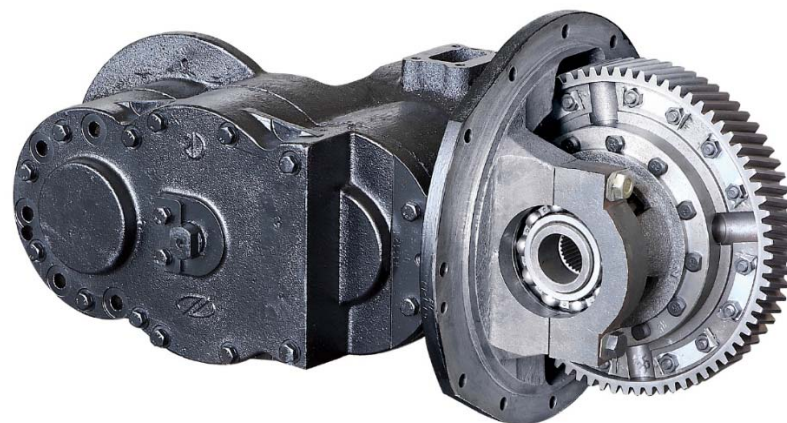


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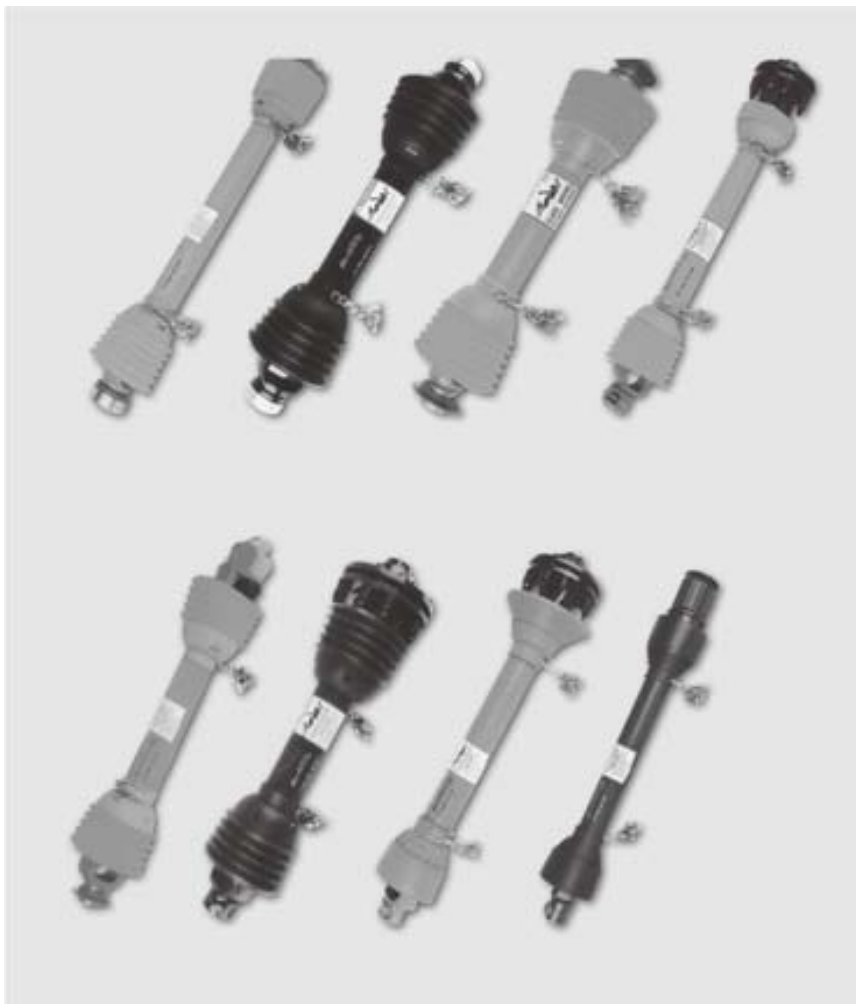
叉车变速箱 Forklift gearbox



工业减速箱 Industrial reducer



产品 (传动轴)
Products (PTO SHAFT)



主要客户Major Customers

- 汽车：
• Automobile



- 农业机械：
• Agricultural



- 工程机械
• Consturction



- 其他other:





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Trustworthy, beyond expectations of cooperative partners