

中国·天长缸盖

TIANCHANG CYLINDER HEAD · CHINA



企业介绍 COMPANY PROFILE

天长缸盖有限公司是内燃机气缸盖产品专业生产厂。是国家火炬计划高新技术企业。2010~2021年连续4次获中国内燃机协会“中国内燃机行业排头兵企业”、中国铸造协会“综合百强企业和分行业排头兵企业”。2019年国家工信部第一批授予“专精特新小巨人”称号。

公司现有员工1100人，其中工程技术人员235人，拥有国内首家缸盖技术研究所，并与天津大学内燃机研究所建立产学研合作基地。公司占地30万平米，拥有22条机加生产线、4条清洗线，有HWS铸造自动造型线、机械造型线和铝缸盖FATA铸造线各1条，有年产130万台灰铸铁、蠕墨铸铁、铝合金缸盖成品的能力和5万吨以上的铸造能力。

“梭鱼”牌缸盖是安徽省著名商标，系列品种400多个，战略合作伙伴有：潍柴、一汽锡柴、上汽上柴、安徽康明斯、江淮动力、全柴集团、美国卡特彼勒、Generac、韩国现代斗山等国内外知名企业。天长公司“三大特色”得到合作伙伴的认可和赞赏，美国卡特彼勒公司连续6次授予天长“卓越供应商铜、银、金牌奖”。

公司专业特色：来图来样均可从产品试制开发、PPAP到SOP为顾客提供从工艺设计、模具设计制造、精密铸造、精密加工、精准检测等快捷、准时的一站式模块化服务。

公司产品特色：产品质量PPM值100%满足顾客要求；各类品种齐全、高强度、高耐疲劳材质齐全，涵盖铝合金、灰铸铁、球墨铸铁、蠕墨铸铁。

公司文化特色：“家”文化理念根植于广大员工的心中，把岗位工作当作家里的事来做，对做好缸盖、做到极致充满激情和信心。

Tianchang Cylinder Head Co Ltd, a professional manufacturer of cylinder heads for internal combustion engines, ranks among high and new technology enterprise on China Torch Program, was given four times continuously the titles of Pioneering Enterprise in the Internal Combustion Engine Industry by China Internal Combustion Engine Industry Association and Comprehensive Strength Top 100 Enterprises & Pioneering Enterprise in the classification in China Foundry Industry by China Foundry Industry Association 2010 through 2021, and was first batch awarded Small Giant with Specialized, Fined, Peculiar and New Area by Ministry of Industry and Information Technology of China in 2019.

Tianchang Cylinder Head Co Ltd has 960 employees, including 235 R&D engineers and technicians. The company has the first Cylinder Head Technology R&D Institute in China and established an Industry-University-Research cooperation base with the Internal Combustion Engine Research Institute of Tianjin University. The company covers an area of 300,000 square meters, its workshops are equipped with one German made HWS automatic moulding line and one mechanized moulding line and one FATA automated multi-station modular gravity casting line for aluminum cylinder heads, 22 machining lines and 4 washing lines. It has an annual capacity of over 50,000 tons castings and more than 1,300,000 pieces finished grey iron, vermicular graphite cast iron and aluminum alloy cylinder heads.

Tianchang Cylinder Head Co Ltd's brand Mullet is a famous trademark in Anhui province. The company has produced more than 400 models cylinder heads for strategic OEM partners such as: Weichai, FAWDE, SAIC Shanghai Diesel, Anhui Cummins, JAC, Quanchai, Caterpillar, Generac, Hyundai & Doosan and other domestic and foreign well-known enterprises. The company's Three Characteristics has being highly recognized and praised by partners, it was six times successively awarded Bronze, Silver and Golden Medals in Supplier Quality Excellence Process evaluation by Caterpillar.

Specialization Characteristic: Tianchang Cylinder Head Co Ltd can provide one-stop integrated service with process design, tool design & manufacturing, casting manufacturing, machining, inspection&test and packaging, for trial production and development from incoming drawings or samples, PPAP and SOP.

Product Characteristic: With the performance of 100% satisfying quality PPM requirements of OEM customers, Tianchang Cylinder Head Co Ltd's products covers a complete range of high strength and fatigue-resistant materials including aluminium alloy, grey iron, ductile cast iron, vermicular graphite cast iron cylinder heads.

Culture Characteristic: The company's special corporate culture---FAMILY deeply rooted in employees' heart, they take their work as their own family affair and make cylinder head to be first class quality with great passion and confidence.



发展历程 HISTORY

1952年

创立“木器生产合作社”
Set up carpenter's shop



1993年

生产柴油发动机气缸盖产品
Start production of cylinder heads



1966年

二厂并入成立“东方红农具厂”
Establish farm tools factory



2002年

企业改制为民营股份制
Turn over to individually-run
limited liability company



2012年

建厂60周年及新区投入使用
60th anniversary & start of operation in new zone



2014年

与卡特彼勒合作
Cooperation with Caterpillar



2016年

铝合金项目量产
Volume production of aluminum cylinder heads



2022年

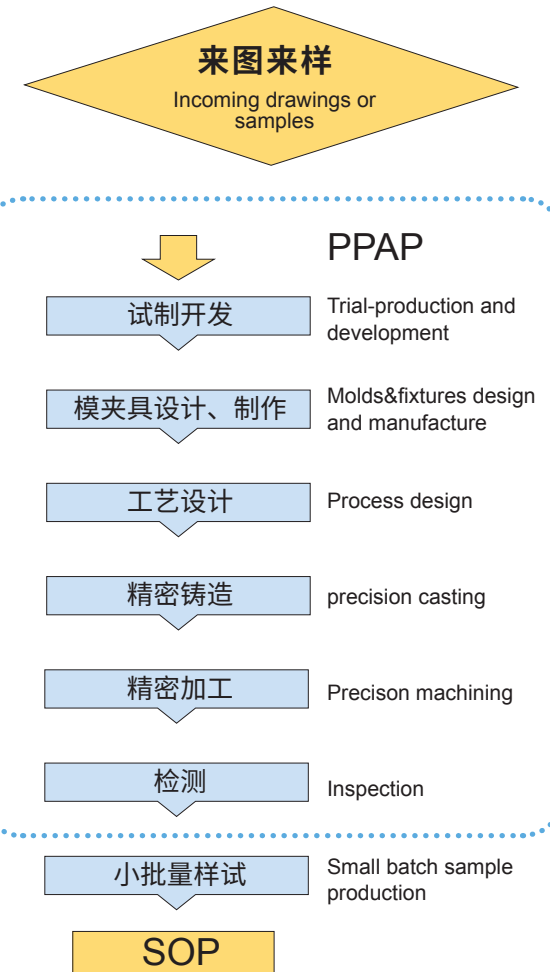
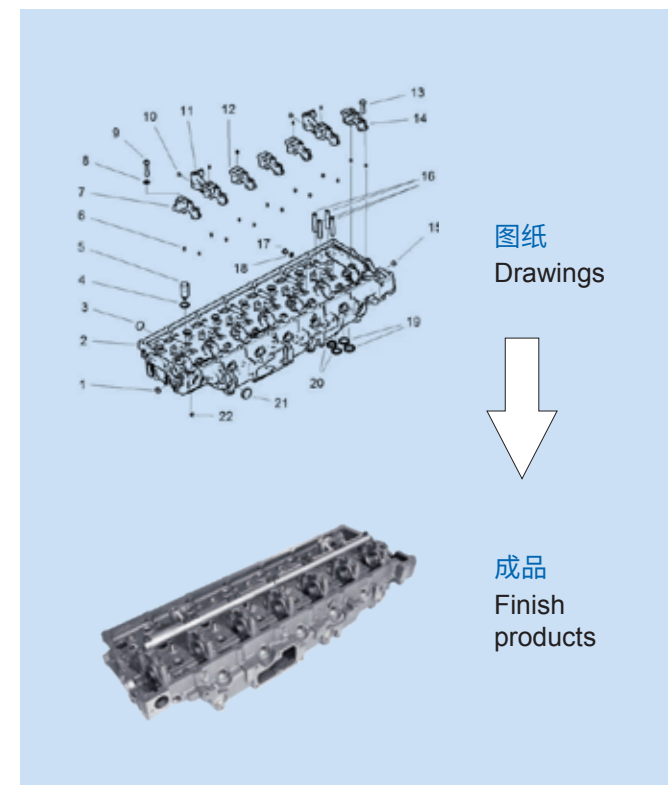
新材料研发和智能化应用
Successful R&D of new material and
intelligent production lines application



专业特色 SPECIALIZATION CHARACTERISTIC



一站式模块化服务 One-stop integrated service



IATF16949 证书
IATF16949
certificate



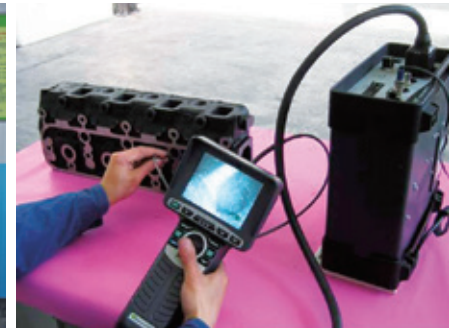
测量体系证书
Certificate of conformity for
measurement management
systems



德国蔡司金相显微镜
ZEISS metallurgical microscope



全通道德国斯派克光谱分析仪
All-element spectrometer



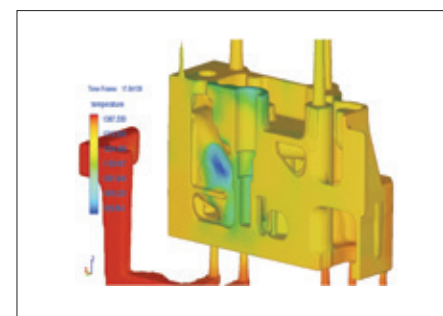
美国韦林工业内窥镜
Everest VIT endoscope



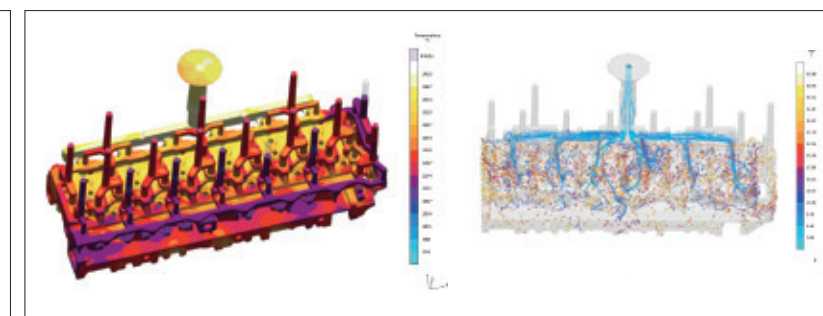
气道试验室
Port flow test rigs



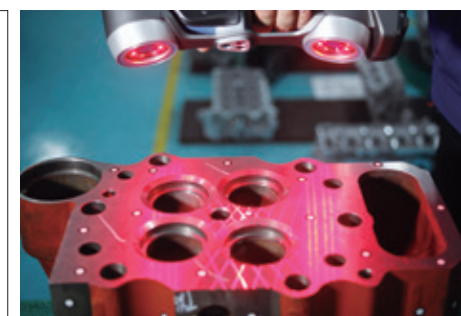
三坐标检测中心
CMM



Anycasting3D
铸件模拟分析
Casting simulation



迈格码分析
MAGMA analysis



三维扫描
3D scanning

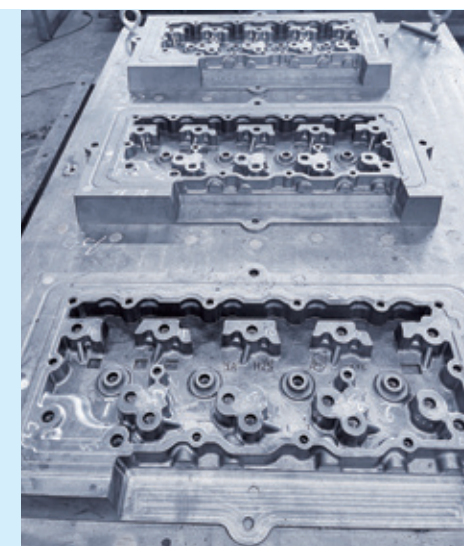
专业特色 —— 产品开发 模具工装能力
NEW PRODUCT DEVELOPMENT AND
TOOL MANUFACTURING CAPABILITY



高精加工中心
High precision machining center



龙门加工中心
H-frame machining center



四气门缸盖外模
Frame molds for 4-valve cylinder head



高精夹具制造
High precision fixture manufacturing



装备事业部 Tooling Division



新品开发专线 New product trial production line

专业特色 —— 铸造能力
FOUNDRY FACILITIES

◀ 灰铁铸造
Grey iron foundry



HWS 1300x900x350/350全自动静压造型生产线
HWS automatic air flow squeeze molding line



机器人浸涂 Robot coating



8吨电炉 8T electric furnace



自动浇注机 Automated pouring machine



组芯生产线
Core assembly line



天然气回火
Natural gas oven for stress relieving



内腔清理
Cavity cleaning



冷芯单元
Cold core box unit

史杰克西熔化保温炉
STRIKOWESTOFEN
melting and holding
furnace



热芯单元
Hot core box unit



天然气熔化炉
Natural gas melting furnace



三工位FATA浇铸单元
FATA multi-station modular gravity casting line



铝合金铸造
Aluminum foundry



清理单元 Casting fettling unit



连续式固溶时效处理 Continual solid solution ageing line

专业特色 —— 机加工能力 MACHINING LINES

灰铁加工 Iron head machining



清洗工部 Washing workshop



高压清洗单元 High pressure washing unit



卡特彼勒产品专线
Dedicated production lines for
Caterpillar products



清洗生产线
Washing line



MES生产线
MES production line



牧野自动生产线 Automated machining line with MAKINO CNCs



自动压装机
Automatic pressing-in machine



智能加工单元
Flexible machining line



两条铝合金缸盖机加线
Two machining lines for aluminum heads



自动压装
Automatic pressing-in machine



在线泄漏检测
Online leakage test



清洗
Washing

铝合金加工 Aluminum head machining



产品特色

PRODUCT CHARACTERISTIC

公司产品特色：

产品质量 PPM 值 100% 满足顾客要求；

各类品种齐全、材质齐全，涵盖铝合金、灰铸铁、球墨铸铁、蠕墨铸铁。

Advantages:

100% meet quality PPM requirements of OEM customers.

With all ranges of materials including aluminium, grey iron, ductile cast iron, vermicular graphite cast iron.

产品开发能力：

Products Development Capability:

每年平均开发新品种 **15** 个

An average of 15 models of new products developed every year

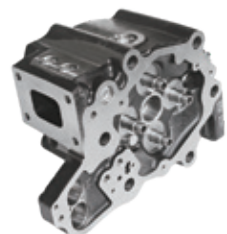
为合作伙伴改进产品 **110** 个左右

About 110 varieties of products improved for partners every year.

铝合金 Aluminum



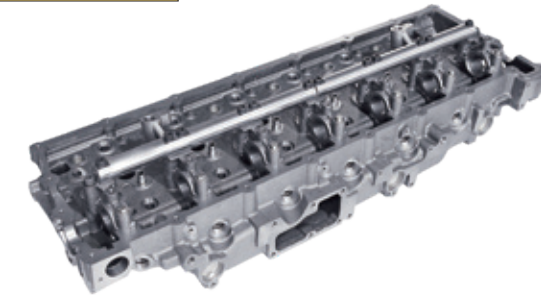
蠕墨铸铁 GJV450 Vermicular graphite cast iron



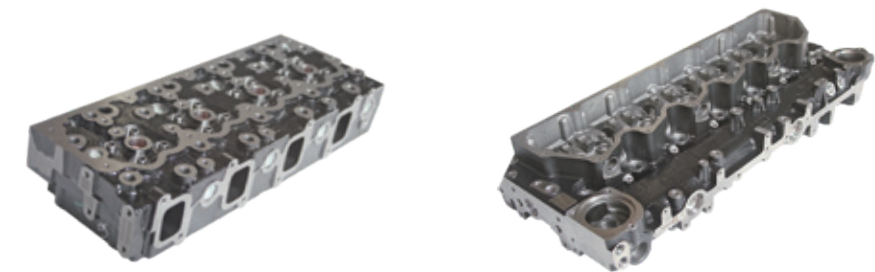
球墨铸铁 GJS600-3 Ductile cast iron



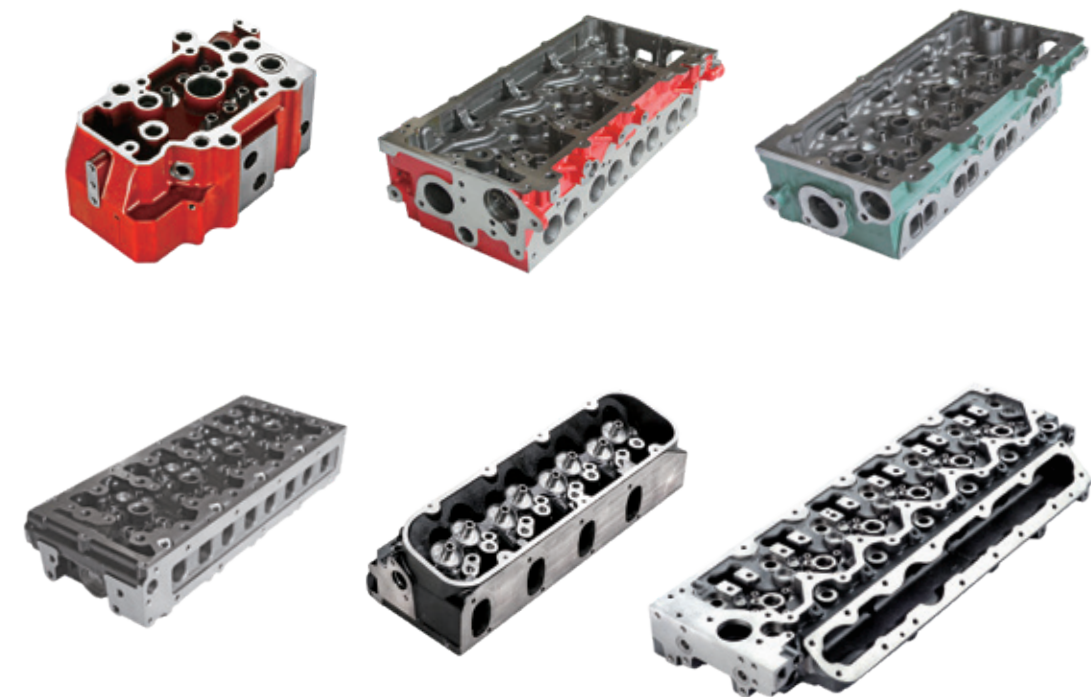
顶置凸轮轴 Overhead camshaft



高强度铸铁 High strength cast iron



灰铸铁 Grey Iron



文化特色 CULTURE CHARACTERISTIC



客户交流
Communication with customers



卡特卓越供应商授牌 Excellent supplier medal awarded by CAT



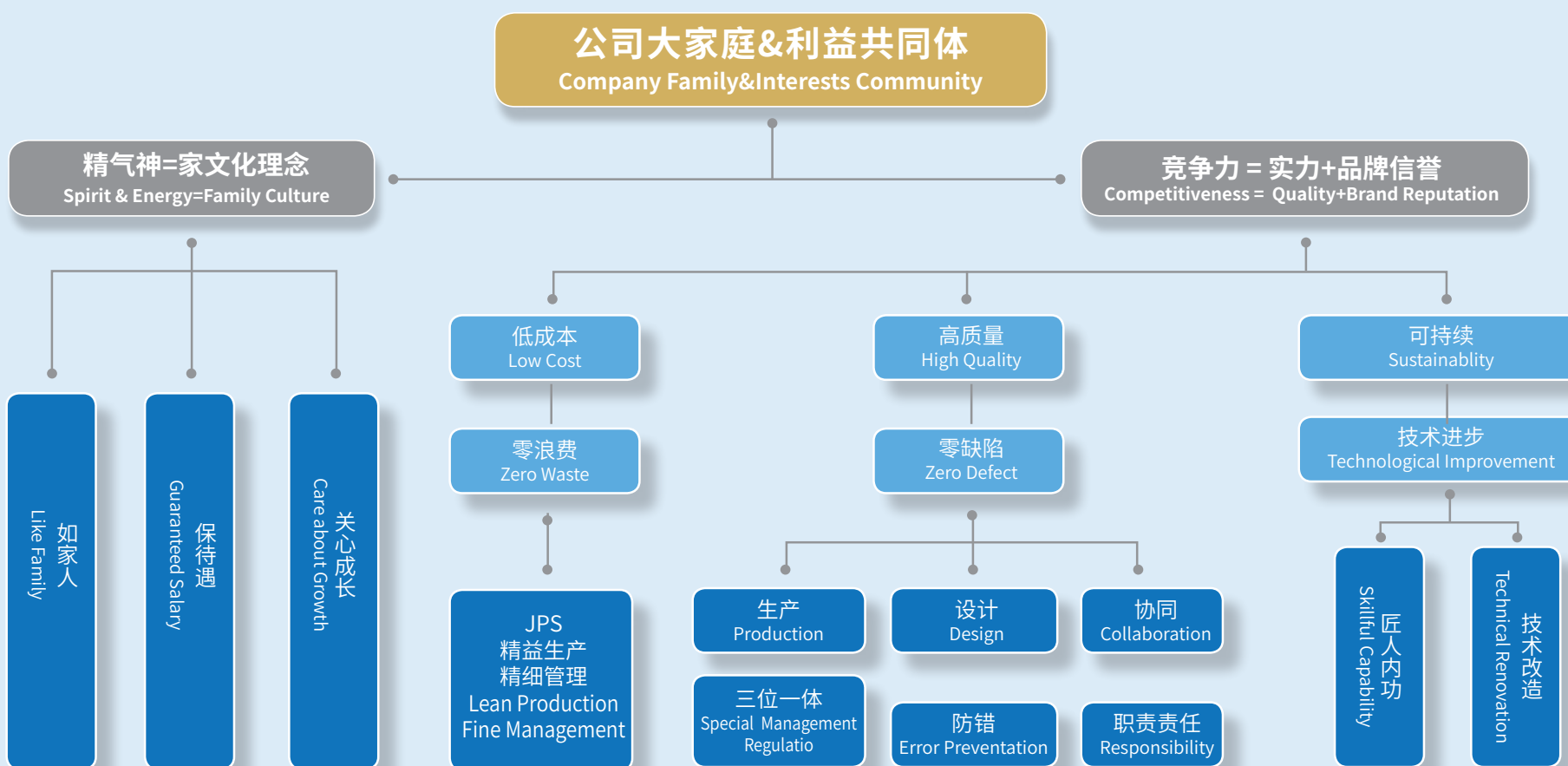
卡特CPS培训
CPS training



卡特彼勒公司颁发黑带证书
CPS black belt certificate from Caterpillar



员工技能竞赛
Operator skill competition



星绩员工旅游 Model workers on tour as a reward

企业文化 CORPORATE CULTURE

愿景

建成“中国第一、世界一流，客户信赖、员工自豪”的百年企业

使命

做好产品、做到极致

核心价值观

诚信、正直、爱家、爱岗

诚信：言必行、行必果，一诺千金

正直：道德高尚、品行端正、光明磊落

爱家：爱小家、拥大家，富有责任

爱岗：在岗成事，为已争誉，为企争光

质量方针

以诚信正直立业，建设质量文化，为顾客、家庭、社会创造价值

经营理念

高质量、低成本，向顾客提供价值

Vision

Best in China First-class in the world

Customers' trust Employees' pride

Commitment

Specialization for best quality

Core of Social Values

Integrity, conscientiousness and dedication

True in word and resolute in deed

High moral standard, good behaviour, open and aboveboard

Devotion to company and family

Striving for honour of company and success in career

Quality Principle

Carry out the policy of commercial integrity

Build up a corporate culture of quality assurance

Creat value for customers, families and society

Business Policy

High quality at low cost

Creat value for customers

合作共赢 CUSTOMERS



潍柴动力扬柴

WEICHAI POWER YANGZHOU DIESEL
ENGINE WORKS



卡特彼勒

CATERPILLAR INC.



一汽解放锡柴

FAW WUXI DIESEL ENGINE WORKS



现代斗山

HYUNDAI DOOSAN INFRACORE CO LTD



上海新动力

SHANGHAI NEW POWER AUTOMOTIVE
TECHNOLOGY CO LTD



安徽康明斯

ANHUI CUMMINS POWER CO LTD



江淮汽车

ANHUI JIANGHUAI AUTOMOBILE CO., LTD.



吉利控股集团

GEELY AUTO GROUP



安徽全柴

ANHUI QUANCHAI GROUP CORP.



上海菱重

SHANGHAI MHI ENGINE CO., LTD.



天津现代斗山

TIANJIN HYUNDAI DOOSAN ENGINE CO LTD



Generac

GENERAC POWER SYSTEMS



华菱星马汽车

HUALING XINGMA AUTOMOBILE
(GROUP) CO., LTD.



湖南道依茨

HUNAN DEUTZ POWER CO LTD



无锡动力

WUXI POWER ENGINEERING CO., LTD.



江西五十铃发动机有限公司

JIANGXI ISUZU ENGINE CO LTD

专业化

SPECIALIZATION

科学化

SCIENTIFIC METHOD

国际化

INTERNATIONALIZATION



天长缸盖有限公司

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