磐金锻造
PANJIN FORGING

# SHANDONG PANJIN FORGING MACHINERY CO., LTD.

致力于成为
**全球高端装备制造业关键性**
基础材料知名供应商

山东磐金锻造机械有限公司
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鲁丽 磐金锻造
PANJIN FORGING

锻 | 出 | 精 | 品

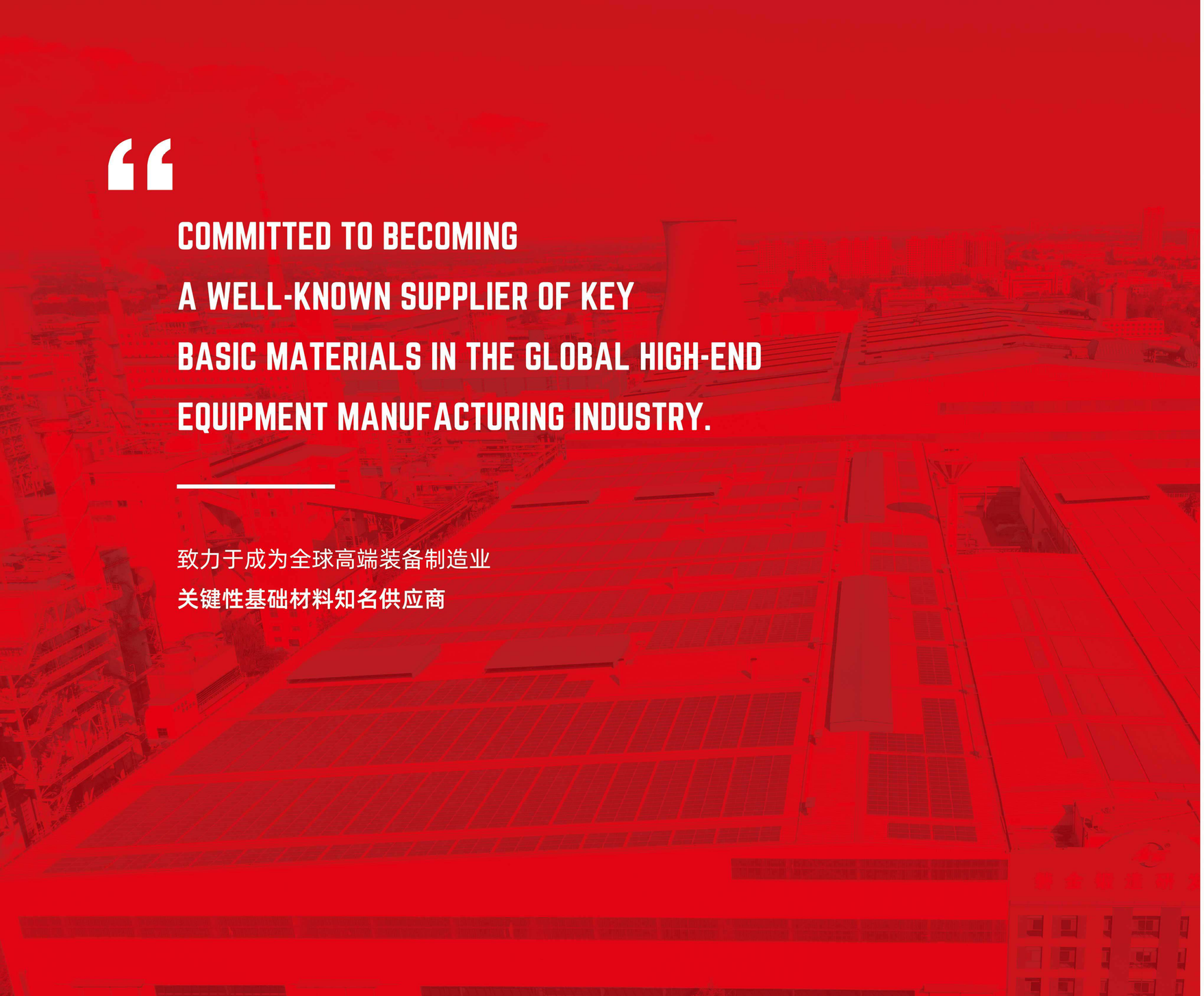
造 | 就 | 未 | 来

# 跨越发展

盤金锻造实现了内涵和外延的跨越式发展，
充分发挥生产、研发、采购、销售和管理的协同效应，
大大增强核心竞争力，
显著提升了在全球行业中的地位。

## STRIDING DEVELOPMENT

Panjin Forging has achieved leapfrog development in both connotation and extension,
fully leveraging the synergistic effects of production, research and development, procurement, sales, and management, greatly enhancing its core competitiveness, and significantly enhancing its position in the global industry.



“

COMMITTED TO BECOMING A WELL-KNOWN SUPPLIER OF KEY BASIC MATERIALS IN THE GLOBAL HIGH-END EQUIPMENT MANUFACTURING INDUSTRY.

致力于成为全球高端装备制造业
关键性基础材料知名供应商

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山东磐金锻造机械有限公司

Shandong Panjin Forging Machinery Co., Ltd.

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# CHAIRMAN'S SPEECH 董事长致辞

千帆竞发、百舸争流。山东磐金锻造机械有限公司于2014年创办，隶属于鲁丽集团有限公司，是依托鲁丽集团钢铁产业优势转型升级、高质量发展的代表企业，我们致力于打造国际一流的现代化、专业化、规模化、全产业链化于一身的绿色、智能、低碳的高端大锻件研发生产基地。

十年树木、百年树人。磐金锻造在各级部门的正确领导和社会各界的关心、支持下，十年磨一剑，我们始终秉承“锻出精品、造就未来”的企业理念，坚持“诚信、创新、实干、精品”的企业精神和“突飞猛进、全面发展”的工作基调，踔厉奋发、笃行不怠，稳中求进谋发展、改革创新立潮头。我们将紧扣“效率、效益、人才”三大核心，积极做强做大各类合金钢锻件、模具钢、模块及船舶、核电、风电等产品，全力做到生产装备高端化、生产技术科技化、产品品质高端化、客户服务精细化，不断凝心聚力、开拓创新。

顺势而为，乘势而上。我们将紧跟时代发展的步伐，顺应全球经济发展浪潮，充分发挥鲁丽集团产业整体优势，整合优势资源、贯通产业链条、打造产业集群，将锻造产品做精、做大、做强，为航空、航天、汽车、高铁、船舶、核电、石油机械、重工机械等行业的国内外客户提供优质产品，也致力于成为全球高端装备制造业关键性基础材料知名供应商。

同舟共济扬帆起，乘风破浪万里航。我们真诚希望能与各界朋友携手合作，共同擘画互利共赢的崭新蓝图！

**董事长:傅士刚**
Chairman: Fu Shigang

Thousands of sails are competing across the river, hundreds of barges are vying forward. Founded in 2014, Shandong Panjin Forging Machinery Co., Ltd. is affiliated to Luli Group Co., Ltd., and is a representative enterprise of transformation, upgrading and high-quality development relying on the steel industry advantages of Luli Group. We are committed to building a world-class green, intelligent, low-carbon research, development and production base of high-end heavy forgings, which is integrated with modernization, specialization, scale, and full industrial chain.

It takes ten years to grow trees, but a hundred years to rear people. Persistence is the key to success, under the correct leadership of departments at all levels and the concern and support from all walks of life, the decade whets sword, Panjin Forging has been adhering to the corporate philosophy of “forge the best products, creating the future”, insisting on the corporate spirit of “integrity, innovation, hard-working, quality products” and the work principle of “advance by leaps and bounds, overall development”. With vigorous and determined endeavor, we prioritize stability while pursuing progress, and lead the forefront with reform and innovation. We will keep the three cores of “efficiency, effectiveness and talents”, actively make various types of alloy steel forgings, die steel, modules and products for shipping, nuclear power, wind power and military better, make every effort to achieve high-end production equipment, technological production technology, high-end product quality and refined customer service, and continue to concentrate our strength and efforts to pioneer and innovate.

Follow the trend and seize the momentum. We will keep pace with the development of the times, adapt to the trend of global economic development, fulfil the overall advantages of Luli Group’s industry, integrate superior resources, link up the industrial chains, create industrial clusters, and refine, expand and strengthen the forging products, to provide quality products for domestic and foreign customers in the industries of aviation, aerospace, automobile, high-speed rail, shipping, nuclear power, petroleum machinery, heavy machinery, etc. We are also committed to become a well-known supplier of key basic materials in the global high-end equipment manufacturing industry.

Together we sail in the same boat, through the winds and waves for tens of thousands of miles. We sincerely hope to cooperate with friends from all walks of life, and draw a new blueprint of reciprocity and mutual benefit together!

# CORPORATE CULTURE

## 企业文化

**管理思想** MANAGEMENT THEORY

细智猛奖逼创

CAREFUL
METICULOUS
FIERCE
AWARD
FORCE
CREATIVE

**管理方针** MANAGEMENT POLICY

严狠学干

STRICT
TOUGH
STUDYING
AND
WORKING

**工作基调** WORK PRINCIPLE

突飞猛进
全面发展

ADVANCE BY LEAPS
AND BOUNDS,
OVERALL
DEVELOPMENT

**售后服务格言** AFTER-SALES SERVICE MOTTO

解决用户的问题
就是我们服务发展的动力

SOLVING USERS'
PROBLEMS
IS THE DRIVING
FORCE OF
OUR SERVICE
DEVELOPMENT

**企业精神** ENTERPRISE SPIRIT

诚信 创新
实干 精品

STUDYING
INNOVATION
HARD-WORKING
PASSION

**发展理念** DEVELOPMENT CONCEPT

低碳 绿色 环保

LOW-CARBON,
GREEN,
ENVIRONMENTAL
PROTECTION

鲁丽®
磐金锻造
PANJIN FORGING





# 匠心十年

十载耕耘，硕果累累。展望未来，心依旧，梦依然。
砥砺前行，再铸辉煌！

十年，对磐金锻造而言，正青春少年，壮志激昂！早已走过了稚嫩、走向成熟，愈发变得坚强、稳重、勇敢与执着。对和公司共同成长的员工而言，十年是生命中最美好的篇章。

下一个十年，她已带着梦想出发，满载着对过去的感恩与未来的憧憬去摘取那璀璨的成功之花。

# ENTERPRISE OVERVIEW

## 企业概况

山东磐金锻造机械有限公司于2014年成立，是一家集产品研发、生产和销售于一体的大型机械加工制造企业。公司位于山东省寿光市侯镇，北距国家二级开放港口羊口港20公里，东距潍坊港30公里，荣乌高速路口距厂区2公里，地理位置优越，交通运输便利。依托鲁丽集团有限公司产业基础，公司拥有从原材料、炼铁、炼钢、坯料供应到锻件产品的全流程产业链优势，在技术研发能力、产品质量、工艺创新、生产规模等方面居行业前列，目前已具备年产20万吨高端机械加工锻件生产配送能力，是山东省战略性新兴产业重点企业。

Established in 2014, Shandong Panjin Forging Machinery Co., Ltd. is a large machining and manufacturing enterprise incorporating with product research and development, production, and sales. The company is located in Hou Town, Shouguang City, Shandong Province. It is 20km away from the national secondary open port Yangkou Port in the north, 15km away from Weifang Port in the East, and 2km away from the plant at the intersection of Rongwu expressway, with superior geographical location and convenient transportation. Relying on the industrial foundation of Luli Group Co., Ltd., the company has the whole process industry chain advantages from raw materials, iron making, steel making, billet supply to forging products, and ranks among the forefront of the industry in technology research and development capability, product quality, process innovation, production scale, etc. At present, the company has an annual output of 200,000 tons of high-end machining forging production and delivery capacity, and is the key enterprise of strategic emerging industries of Shandong Province.

公司以高端锻件机械加工为主，拥有国际一流的特种冶炼能力，采用国际先进制造工艺以及国际领先的生产工艺设备。主要装配有EBT炉、LF炉、VD/VOD炉、VC真空浇铸设备、电渣重熔炉、50MN、20MN、16MN锻压机、多工位数字化淬火池、加热炉和热处理炉以及锯床、铣床、磨床等。主要产品有各类合金钢锻件（圆）、高端冷/热作模具钢、精锻特管管坯等。产品广泛用于航空、航天、交通运输、船舶、核电、风电、石油机械、重工机械等行业。

我们始终坚持质量第一、诚信为本、科技创新、开拓进取，竭诚为用户服务为宗旨，以“打造一流锻造企业”为发展愿景，致力于成为全球高端装备制造业关键性基础材料知名供应商。

The company is mainly engaged in high-end forging machining, with international first-class special smelting capacity, and adopts international advanced manufacturing process as well as world leading production process equipment. The main assemblies include EBT furnace, LF furnace, VD/VOD furnace, VC vacuum casting equipment, electroslag refining furnace, 50MN, 20MN, 16MN forging presses, multi-station digital quenching pool, heating furnace and heat treatment furnace, as well as sawing machine, milling machine, grinding machine, etc. The main products include various types of alloy steel forgings , high-end cold/hot work die steel, Pipe billets for precision forged special pipes, etc. The products are widely used in aviation, aerospace, transportation, shipping, nuclear power, wind power, petroleum machinery, heavy industry machinery, etc.

We always adhere to the purpose of quality first, integrity-based, technical innovation, forge ahead and dedicated service for customers, take “create the first-class forging enterprise” as the development vision, and are committed to become a well-known critical basic material supplier of global high-end equipment manufacturing industry.

# MAIN PROCESS FLOW 主要工艺流程

先进的工艺设备
ADVANCED PROCESS EQUIPMENT

完整的产品体系
COMPLETE PRODUCT SYSTEM

# PRODUCTION EQUIPMENT

## 生产设备

## 01 特冶设备及特点

SPECIAL SMELTING EQUIPMENT AND CHARACTERISTICS

100吨康斯迪偏心底出钢(EBT)电弧炉(EAF)

100-ton Consteel eccentric bottom tapping (EBT) electric arc furnace (EAF)

公司拥有2台100吨康斯迪偏心底出钢(EBT)电弧炉(EAF)，采用国际领先的水平连续加料、废钢预热技术，同时配置了集束氧枪系统、炉后铁水倾入装置，实现了电炉快节奏、低成本、高质量、低污染的短流程炼钢。

The company has two 100-ton Consteel eccentric bottom tapping (EBT) electric arc furnaces (EAF), which adopt the world leading horizontal continuous charging and scrap preheating technology, and are also equipped with clustering oxygen lance system and post-furnace liquid iron pouring device, to realize the fast-pace, low-cost, high-quality and low-pollution short process steelmaking for the electric furnaces.

公司拥有4台美国康萨克氩气保护电渣重熔炉，可熔炼直径ϕ540mm-ϕ910mm，重量2.5-12.5吨的各类锭型，年产电渣锭能力15000t。该设备具有恒熔速全自动控制，冶炼精度高,铸锭质量好,可生产高端热作/冷作模具钢、高特合金钢、不锈钢系列及特殊材料。

The company has 4 sets of Consarc argon protected electroslag refining furnaces, which can melt various types of ingots with diameter of ϕ540mm-ϕ910mm and weight of 2.5-12.5 tons, with annual output of 15000t of electroslag ingots. This equipment has automatic control of constant melting rate, high smelting precision, good ingot quality, and can produce high-end hot/cold working die steel, high special alloy steel, stainless steel series and military materials.

## 02 精炼设备及特点

REFINING EQUIPMENT AND CHARACTERISTICS

公司拥有2台100吨LF炉，具有良好的脱氧还原功能，采用底吹氩气，均匀钢水温度和成分，采用电弧加热微调合金，达到精准控制钢水成分和温度的目的。

The company has two 100-ton LF furnaces with good deoxidation and reduction function. With bottom-blowing argon, the temperature and composition of molten steel can be evened out. And with electric arc heating to fine-tune the alloy, the purpose of precise control of molten steel composition and temperature can be achieved.

真空精炼设施为100吨VD真空精炼炉1台，钢水经VD真空处理后可进一步提高钢水的洁净度，可有效降低钢中气体含量。

The vacuum refining equipment is a 100-ton VD vacuum refining furnace. The cleanliness of molten steel can be further improved after the VD vacuum treatment, which can effectively reduce the gas content in the steel.

模铸生产线拥有1台200吨自动浇钢车，可生产3-50t钢锭。自带称重系统、软吹系统、氩气保护系统，实现浇铸过程精准控制，确保了铸锭质量持续稳定。

The die casting production line has one 200-ton automatic steel casting car, which can produce 3-50t steel ingots. It comes with weighing system, soft blowing system and argon protection system, to realize precise control of casting process and ensure the continuous and stable quality of casting ingots.

100吨LF炉

100-ton LF furnace

VD真空精炼炉

VD vacuum refining furnace

模铸生产线：200吨自动浇钢车

Die casting production line: 200-ton automatic steel casting car

# 03 锻造设备及特点
## FORGING EQUIPMENT AND CHARACTERISTICS

公司拥有国内先进的快锻油压机机组2台套（兰石重工），50MN上压式快锻机组、20MN下拉式快锻机组各一套，工艺设备先进、生产体系完善，产品质量稳定可控。

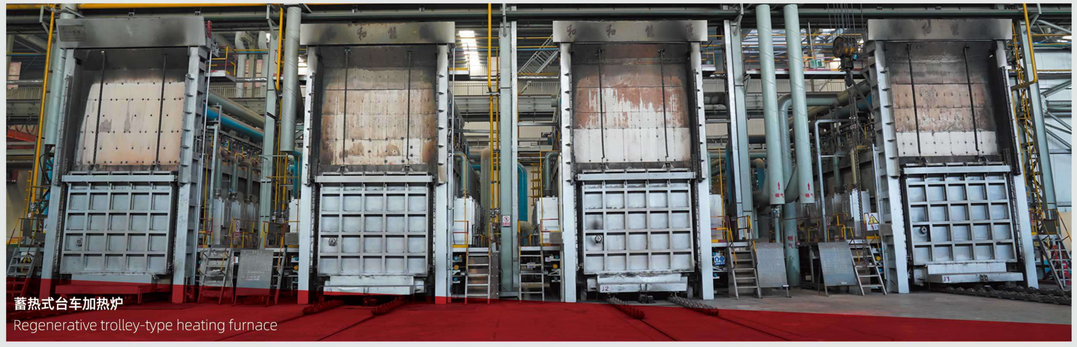
The company has 2 sets of domestic advanced high-speed forging hydraulic press units (LS Heavy Equipment), one set of 50MN upper-pressing high-speed forging press unit and one set of 20MN down-pulling high-speed forging press unit, with advanced process equipment, sophisticated production system and stable and controllable product quality.

| 产品类别<br>Product category | 产品规格<br>Product specification | |
|---|---|---|
| **锻造圆钢** Forged round steel | 直径ϕ250mm-1200mm，长度≤14000mm | Diameter ϕ250mm-1200mm, length ≤14000mm |
| **模块** Module | 厚度140mm-800m，宽度300mm-1700mm | Thickness 140mm-800m, width 300mm-1700mm |
| **轴件** Shaft piece | 厚度140mm-800m，宽度300mm-1700mm | Thickness 140mm-800m, width 300mm-1700mm |
| **饼类** Disk type | D≤2500mm,H≤600mm | |
| **筒类** Cylinder type | D≤2000mm,L≤6000mm | |
| **各种异型件**<br>All kinds of profiled parts | 根据客户需求订制 | Customized according to customer needs |

锻造成型（20MN快锻机组）
Forging and forming
(20MN high-speed forging press unit)

锻造成型（50MN快锻机组）
Forging and forming
(50MN high-speed forging press unit)

# 04 热处理能力及特点
## HEAT TREATMENT CAPACITY AND CHARACTERISTICS



蓄热式台车加热炉
Regenerative trolley-type heating furnace

蓄热式台车热处理炉
Regenerative trolley-type heat treatment furnace

智能热处理淬火水池和多工位数字化淬火冷却设备
Intelligent heat treatment quenching water tank
and multi-station digital quenching cooling equipment

蓄热式台车加热炉6台、蓄热式台车热处理炉9台、电退火炉4台、上海交大研发的高效智能热处理淬火水池、一台多工位数字化淬火冷却设备，实现了智能水-空交替控时淬火冷却过程。可实现加热炉温度控制精度±15℃，热处理炉温度控制精度±10℃，电退火炉温度控制精度±5℃，达到国内先进水平，可满足压机生产锻件的各种热处理。

With six regenerative trolley-type heating furnaces, six regenerative trolley-type heat treatment furnaces, three electric annealing furnaces, efficient intelligent heat treatment quenching pool developed by Shanghai Jiao Tong University, and a multi-station digital quenching equipment, the intelligent water-air alternating timed quenching process is realize. Heating furnace temperature control accuracy ±15℃, heat treatment furnace temperature control accuracy ±10℃, electric annealing furnace temperature control accuracy ±5℃ can be realized, which reaches the domestic advanced level; and various types of heat treatment of forgings produced by presses can be satisfied.

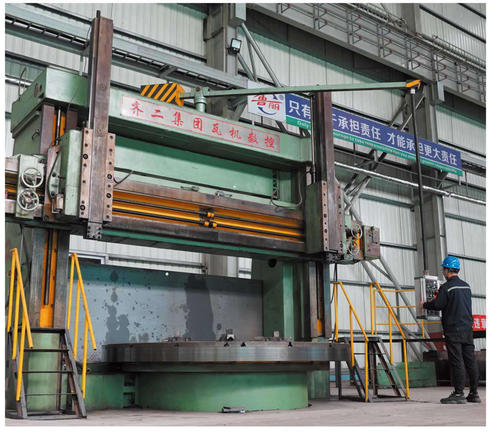
# 05 机加工及精整设备

## MACHINING AND FINISHING EQUIPMENT

大型卧式车床、数控立车、镗铣床、锯床四十余台套，具备粗加工、半精加工能力，可满足ϕ1000以下，重量30吨以下锻件加工能力，达到国内先进水平。

There are more than forty sets of large horizontal lathes, CNC vertical lathes, boring-milling machines and sawing machines with rough machining and semi-finishing capabilities, which can meet the processing capacity of forgings below ϕ1000 and weight below 30 tons and reach the domestic advanced level.

大型卧式车床
Large horizontal lathe



龙门锯床
Gantry sawing machine

# PRODUCT MIX 产品大纲

| 产品名称<br>Product name | 代表钢种<br>Grade | | 锻造规格<br>Specification | | | | 最小<br>压缩比<br>Min. compression ratio | 主要用途<br>Main usage |
|---|---|---|---|---|---|---|---|---|
| | 国内牌号<br>Domestic grade | 国外牌号<br>Abroad grade | 锻圆<br>Forging round | 锻方<br>Forging square | 扁钢模块<br>Flat bar module | 台阶轴<br>Step shaft | | |
| 优碳钢<br>Carbon steel | 08-60<br>16-50Mn | S20-55C<br>S355J2 | 250mm-1200mm | 250mm-1200mm | 厚度≥200mm<br>宽度≤1700mm | 长度：2500mm-14000mm | 3 | 用于机械零部件制造 |
| 合金钢<br>Alloy steel | 15-50Cr<br>15-50CrMo<br>20CrMnTiH<br>20-40CrMnMo<br>20-40CrNiMoA<br>38CrMoAl | 16-20MnCr5<br>SCM440<br>AISI4130<br>AISI4330<br>AISI4140<br>AISI4145<br>SAE8620<br>SAE4340<br>SACN645<br>1E0670<br>SCM415<br>18CrNiMo7-6 | 250mm-1200mm | 250mm-1000mm | 厚度≥200mm<br>宽度≤1700mm | 长度：2500mm-14000mm | 3.5 | 用于制造承载载荷较大的机械零部件，结构件，广泛应用于汽车、造船、石油机械、重工机械等行业 |
| | 30-35CrMnSi<br>30CrMnSiNi2A<br>18Cr2Ni4WA | | 200mm-1000mm | 200mm-1000mm | 厚度≥200mm<br>宽度≤1600mm | 长度：2500mm-14000mm | 3.5 | 用于航空等关键零部件以及高强度良好韧性的零部件制造 |
| | 60Si2Mn<br>55-60SiMnMoV | SUP9(A)<br>SUP11(A) | 200mm-800mm | 250mm-800mm | | | 4 | 用于弹簧及其弹性零部件制造 |
| | GCr15(SiMn)<br>GCr18Mo<br>G20Cr2Ni4 | SUJ2<br>100CrMoSi6-4<br>100Cr6 | 200mm-800mm | 200mm-800mm | | | 4.5 | 用于铁路、风电、大型机械等高端轴承制造 |
| 模具钢<br>Die steel | 4Cr5MoSiV1<br>521<br>8407<br>8418<br>DIEVAR<br>4Cr5MoSIV<br>4Cr5Mo2V<br>5CrMnMo<br>5CrNiMo<br>5CrNi2MoV<br>3Cr2W8V | H13<br>SKD61<br>X40CrMoV5-1<br>1.2344<br>8407<br>H11<br>1.2343<br>8418<br>1.2367<br>DIEVAR<br>L6<br>55NiCrMoV7 | 200mm-700mm | 200mm-650mm | 厚度≥200mm<br>宽度≤1500mm | 长度：2500mm-14000mm | 6 | 用于有高温强度、热疲劳稳定性、耐腐蚀要求的热锻模、热挤压模和金属压铸模等制造 |
| | 3Cr2Mo<br>3Cr2MnNiMo<br>10Ni3MnCuAl<br>4Cr2Mn1MoS<br>2Cr13<br>4Cr13 | P20<br>718<br>1.2738<br>NAK80<br>1.2311<br>1.2312<br>S136 | 200mm-1000mm | 200mm-1200mm | 厚度：<br>140mm-800mm<br>宽度：<br>300mm-1700mm | 长度：2500mm-14000mm | 4 | 用于塑料模具的制造 |

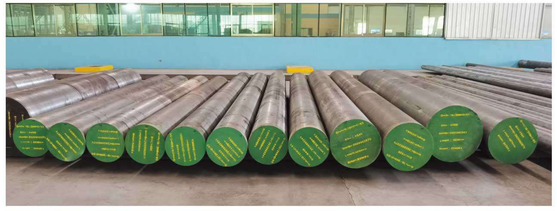
* 宽度: Width, 长度:Length, 厚度:Depth

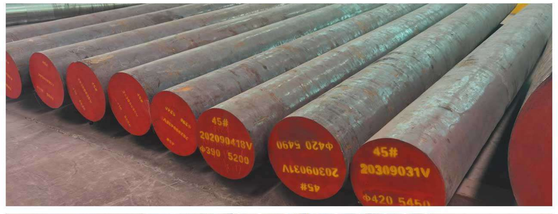


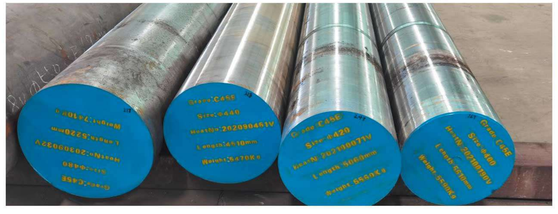


# MAJOR PRODUCT 主要产品

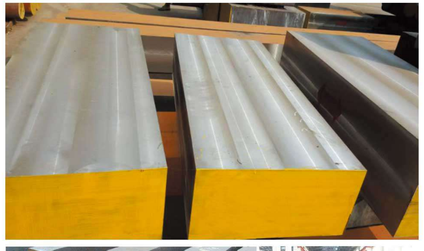
## 01 优质锻圆 HIGH QUALITY FORGED ROUND





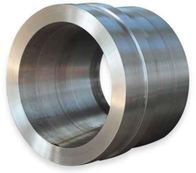


## 02 模块 MODULE



## 03 各种锻件
VARIOUS TYPES OF FORGINGS

台阶轴
Step shafts



筒类件
Cylinder parts

异形件
Profiled parts

法兰轴
Flange shaft

## 04 优质钢锭、电渣锭
HIGH-QUALITY STEEL INGOTS, ELECTROSLAG INGOTS

# PRODUCT ADVANTAGES
## 产品优势

## 四大核心优势
FOUR CORE ADVANTAGES

### 制造先进性
ADVANCED MANUFACTURING

钢液采用EBT电弧炉加LF炉双炼钢，钢液全部经过VD真空脱气处理，钢液质量高，硫、磷等有害元素少；锻件采用精锻机和快锻压机进行锻造，机械化程度高，运行速度快，能精确控制压下量的尺寸，适用于长轴类锻件大规模生产。

The molten steel is adopted with EBT electric arc furnace and LF furnace duplex steelmaking, and is all processed by VD vacuum degassing, so that the molten steel can be in high quality and have less harmful elements such as sulfur and phosphorus; the forgings are forged by precision forging machine and high-speed forging press, with high mechanization and fast running speed, which can precisely control the size of reduction and is suitable for the mass production of long shaft type of forgings.

### 产品先进性
ADVANCED PRODUCT

项目产品都经过精锻机和快锻压机的锻打，有力的消除了铸造产生的疏松及气孔，其内部组织更加致密，产品质量更高。芯棒、轧辊、模块、锻圆等产品钢锭均经过电渣炉冶炼，其质量高于常规钢锭。

The project products, precision forged special pipe billets and core rods, are forged by precision forging machine and high-speed forging press, which can strongly eliminate the looseness and blowholes generated by casting. Accordingly, their internal organization is more dense and the product quality is higher. The ingots of core rods, rolls, modules and forging rounds are smelted by electroslag furnace, and their quality is higher than conventional steel ingots.

### 环保技术先进
ADVANCED ENVIRONMENTAL TECHNOLOGY

项目采用多套除尘系统，对熔炼、上料、浇注等各个环节产生的粉尘和烟尘进行收集，再统一进行处理，污染物排放浓度≤10mg/m³，低于国家工业大气污染物排放标准。

The project adopts multiple sets of dust removal systems to collect the dust and smoke generated from the links of melting, charging and pouring, and then handle them in a unified manner, with the pollutant emission concentration ≤10mg/m³, which is lower than the national industrial air pollutant emission standard.

### 成本优势
COST ADVANTAGES

公司依托鲁丽集团产业布局，拥有从原材料、炼铁、炼钢、坯料供应到锻件产品的全流程产业链优势；公司地理位置优越，紧邻高速公路及出海港口，交通运输便利，产销运输成本相对较低。

Relying on the industry layout of Luli Group, the company has the advantage of the whole process industry chain from raw materials, iron making, steel making, billet supply to forging products; the company has superior location and is strategically located near the highway and sea ports, with convenient transportation and relatively low production and marketing transportation costs.

# APPLICATION FIELDS

## 应用领域

公司产品广泛用于航空、航天、汽车、高铁、船舶、核电、石油机械、重工机械等众多领域。磐金锻造一直致力于产品的不断创新、并努力为前沿技术市场、知名公司、行业领导者、具有社会影响力的客户提供优质的服务和开展广泛的合作。

Our products are widely used in many fields such as aviation, aerospace, automobile, high speed rail, shipping, nuclear power, petroleum machinery, heavy machinery, etc. Panjin Forging has been committed to innovating products continuously, and strives to provide quality service and develop extensive cooperation with leading technology markets, renowned companies, industry leaders, and socially influential customers.

# TECHNICAL STRENGTH

## 技术力量

多年来磐金锻造技术研发中心不断开拓创新，从技术理念到检测设备均处于行业领先水平。公司与东北大学特殊钢冶金研究所达成了“产、学、研、用”的校企合作模式，双方致力于在特钢新材料研发、特种合金冶金工艺开发方面加强合作，共同推进高端装备领域新材料的研发与生产。

山东磐金锻造机械有限公司“高端机械加工锻件项目”在2021年受到中国工程院李德群院士、陈蕴博院士及中国锻压协会、中国重型机械工业协会、中国铸造协会相关领域专家的高度认可。磐金锻造研发中心拥有大量专业研发人员及熟练技术员工，技术研发团队人员基本来自济钢、莱钢、大冶特钢、中信集团、东北特钢、抚顺特钢等大型国有钢铁企业，技术力量雄厚。

Over the years, Panjin Forging Technology Research and Development Center has been continuing to develop and innovate, and is in the industry's leading level from technical concepts to testing equipment. The company has reached a “production, studying, research, use” college-enterprise cooperation model with Special Steel Metallurgy Institute of Northeastern University, the two sides are committed to strengthening cooperation in the research and development of new materials for special steel and the special alloy metallurgical process development, and jointly promote the development and production of new materials in the field of high-end equipment.

The “high-end machining forging project” of Shandong Panjin Forging Machinery Co., Ltd. was highly recognized by academicians Li Dequn and Chen Yunbo of Chinese Academy of Engineering and experts from Confederation of Chinese Metalforming Industry, China Heavy Machinery Industry Association and China Foundry Association in 2021. Panjin Forging Research and Development Center has a large number of professional research and development personnel and skilled technical staff, the personnel of technical research and development team are basically from Jinan Steel, Laiwu Steel, Daye Special Steel, CITIC Group, Dongbei Special Steel, Fushun Special Steel and other large state-owned steel enterprises, with strong technical force.

# QUALITY CONTROL

## 质量控制

### 质量检测设备 QUALITY INSPECTION EQUIPMENT

德国SPECTROLAB M11

德国X荧光光谱仪

全自动洗样机

智能冲击试验机EBC-450

冲击试样缺口液压拉床

平面磨床M7130

液压万能试验机

数控车床

端淬试验台

布氏数显硬度计、洛氏数显硬度计

德国蔡司金相显微镜

液压空心钻床

电火花数控线切割机床

箱式电阻炉

超声波探伤仪

德国蔡司EVO18扫描电镜

# SOCIAL RESPONSIBILITY AND EMPLOYEE GROWTH

## 社会责任和员工成长

### GIVE BACK TO THE PUBLIC WITH GREAT LOVE

**用·大爱·回馈社会大众**

一直与爱同行，与善美同行，助力慈善事业发展，用行动向社会弘扬正能量。心系“国之大者”，扛起共同富裕责任担当，走出工业推动乡村振兴、共同富裕的生态发展新模式。

Always walk with love, walk with goodness and beauty, assist in the development of charity, and promote positive energy to society through actions. With a heart of "the biggest country", we should shoulder the responsibility of common prosperity and walk out of the new ecological development model of industry promoting rural revitalization and common prosperity.

**HUMANE CARE**

**LET EMPLOYEES AND ENTERPRISES GROW TOGETHER**

**为员工提供平台**
**为社会创造价值**

我们充分利用和整合内外部智力资源，通过产学研用相结合的创新联盟，不断培养、扩充专业人才队伍，推动锻造类事业的高速健康发展。

We fully utilize and integrate internal and external intellectual resources, continuously cultivate and expand our professional talent team through an innovative alliance that combines industry, academia, research, and application, and promote the high-speed and healthy development of the forging industry.

# SERVICE CONCEPT
## 服务理念

**CUSTOMER SATISFACTION**
**IS OUR CONSISTENT GOAL**

**客户的满意**
**是我们始终如一的目标**

我们将提升售后服务作为产品质量管理的重心，以满足顾客需求为根本。

目前，我们拥有一支技术过硬，经验丰富的工程师队伍，秉承竭诚为用户服务的宗旨，追求客户的满意是我们始终如一的目标。

我们以用户为中心，市场为导向，建立了从产品售前、售中到售后的完备服务网络，积极健全用户服务体系，努力打造成为一流锻造企业。

We will focus on improving after-sales service as the focus of product quality management, with meeting customer needs as the fundamental goal.

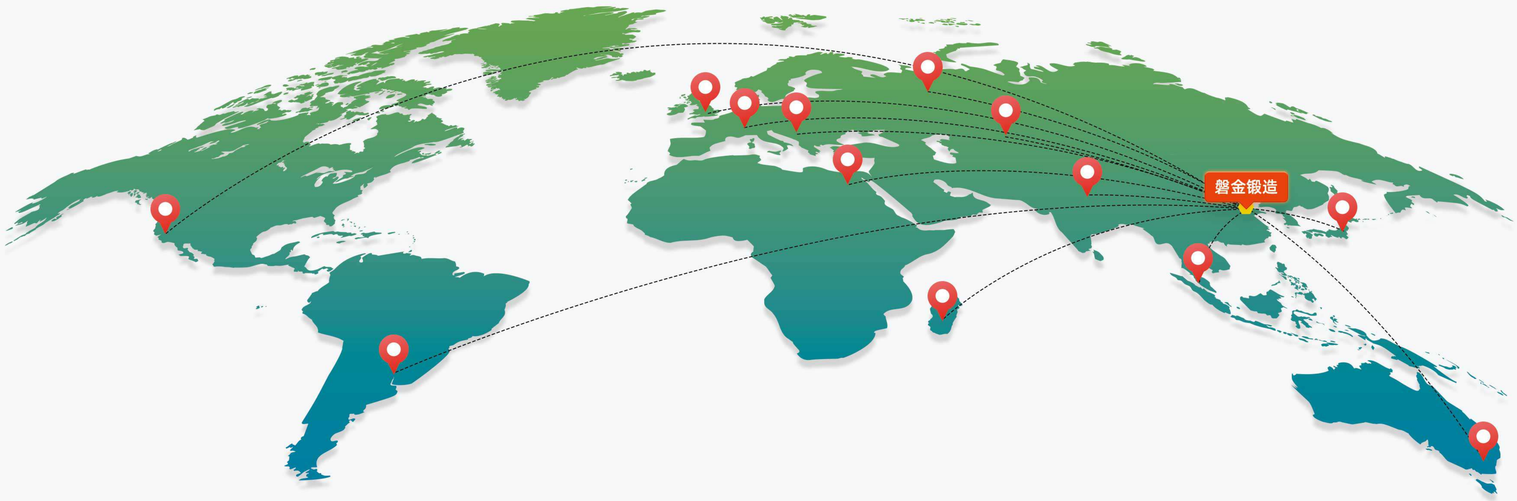
At present, we have a team of skilled and experienced engineers, adhering to the principle of serving customers wholeheartedly, and pursuing customer satisfaction is our consistent goal.

We are customer-centered and market-oriented, establishing a complete service network from product sales, during sales to after-sales service. We actively improve our user service system and strive to become a first-class forging enterprise.





# MARKET DISTRIBUTION
## 市场分布




## 全球布局
## GLOBAL LAYOUT

**咨询热线：**
**SALES HOTLINE:**

**区号 +86（海外及港澳台地区）：**
AREA CODE +86 (OVERSEAS AND HONG KONG, MACAO, AND TAIWAN REGIONS):
0536-5361433
0536-5364998

# ENTERPRISE HONORS

## 企业荣誉

### 荣誉证书

CERTIFICATE OF HONOR

本着“诚信、创新、实干、精品”的企业精神，磐金锻造以一流的产品质量，优惠的产品价格，令人满意的售后服务，赢得广大客户的信赖和支持。公司共获得各项专利40余项，研发的“管坯快锻智能高温热送系统”荣获山东省技术创新优秀成果一等奖，公司先后通过了ISO9001质量管理体系、ISO14001环境管理体系、IOS45001职业健康安全管理体系、GB/T23001两化融合管理体系、GJB9001武器装备质量管理体系、欧盟CE认证以及CCS中国、DNV挪威、LR英国、ABS美国、BV法国、NK日本等多国船级社认证，获得全国锻压行业质量领先企业、山东省专精特新中小企业、山东省创新型中小企业、信用评价AAA级企业、诚信经营示范单位等多项荣誉称号。

Based on the enterprise spirit of “integrity, innovation, hard-working, and excellence”, Panjin Forging has won the trust and support of the customers with first-class product quality, favorable product price and satisfactory after-sales service. The company has obtained more than 40 patents, and the developed “intelligent high-temperature hot-transferring system for pipe billet high speed forging” won the first prize of technological innovation achievements of Shandong Province. The company has obtained the certifications of ISO9001 quality management system, ISO14001 environmental management system, IOS45001 occupational health and safety management system, GB/T23001 integration of informatization and Industrialization management system, GJB9001 military hardware quality management system, CE certification of the European Union, as well as the classification society certification of CCS , DNV , LR , ABS , BV , NK , etc. And the company has won the honorary titles such as national forging industry quality leading enterprise, innovative small and medium-sized enterprise of Shandong Province, credit evaluation rank AAA enterprise, integrity management demonstration units, etc.

### 船级社证书

CLASSIFICATION SOCIETY CERTIFICATE

中国船级社证书
Certificate of China Classification Society

挪威船级社证书
DNV Classification Society Certificate

日本船级社证书
Japan Classification Society Certificate

美国船级社证书
American Bureau of Shipping Certificate

英国船级社证书
British Classification Society Certificate

法国船级社证书
French Bureau of Shipping Certificate

### 体系认证证书

SYSTEM CERTIFICATION CERTIFICATE

质量管理体系认证证书
Quality Management System Certification

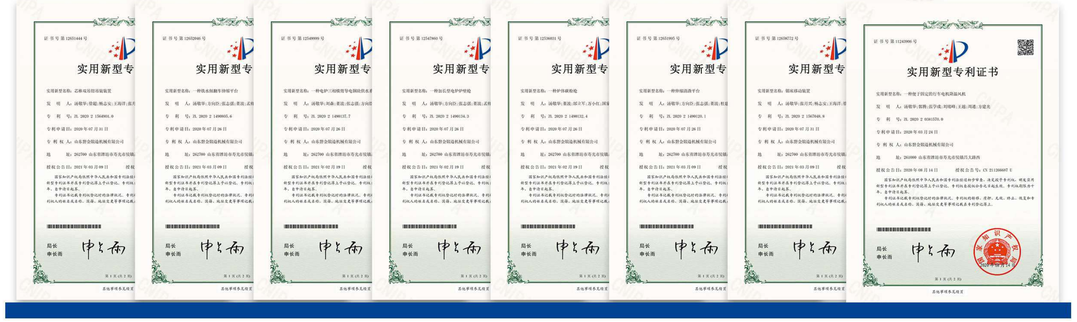
职业健康安全管理体系认证证书
Occupational Health and Safety Management System Certification Certificate

环境管理体系认证证书
Environmental Management System Certification

两化融合管理体系评定证书
Integration of Informatization and Industrialization Management System Certificate

国军标质量管理体系认证证书
National Military Standard Quality Management System Certification

欧盟CE认证证书
EU CE Certification

# 专利证书

PATENT CERTIFICATE