



伊莱特(济宁)
IRAETA

认真学习安全教训，莫要成为教训案例
LEARN FROM OTHERS' MISTAKES, DON'T HAVE OTHERS LEARN FROM YOU

伊莱特(济宁)高端装备科技有限公司

Iraeta (Jining) High-tech Equipment Co., Ltd.

'Forge
Ahead
锻造未来 永不止步

www.iraeta.cn salesjn@iraeta.com / alloy@iraeta.com

山东省济宁市兖州区大禹北路/Dayu North Road, Yanzhou District, Jining City, Shandong Province

JNYC.V3.00/20230316

目录 CONTENTS

 锻造未来 永不止步
Forge Ahead

01 关于我们
ABOUT US

03 生产能力
PRODUCTION CAPACITY

10 主要产品
MAIN PRODUCTS

15 质量研发
HIGH-QUALITY R&D

About US

关于我们

伊莱特（济宁）高端装备科技有限公司是伊莱特能源装备股份有限公司的全资子公司。

伊莱特（济宁）公司（原齐鲁特钢有限公司）的历史可以追溯到1985年，主要生产高强度工业用材，专业开发、生产、制造钛及钛合金、高温合金、镍基合金等特殊钢材，包括合结钢、军工钢、工模具钢、齿轮钢、轴承钢、轧辊钢、不锈钢等十三大类300余牌号的优质特钢锻材及锻件产品，其中锻材产品最大直径可达1200mm，最大长度可达24m。

产品已广泛应用于国内大型机车、机械、工模具、汽车、造船、石化、航天、核电、风电、军工等行业，并大量出口澳、德、意、法、美、日韩、土耳其、巴西等欧美亚国家和地区，拥有国家航天发射架、奥运火炬升降器、三峡大型启动闸门、大飞机模具制造、高速动车组、大重型采煤机等国家重点项目建设经验。

目前，公司已形成集冶炼、快锻、精锻、热处理、机加工、理化检验于一体的完整生产体系，引进全球最大的奥地利GFM RF100型2000吨径向精锻机，配合母公司伊莱特股份全球首台德国西马克集团SMS直径16米超级轧环轧筒机，已具备锻材、锻件、轧环、轧筒等领域全球领先的生产能力。

Iraeta(Jining)High-tech Equipment Co., Ltd. is a wholly-owned subsidiary of Iraeta Energy Equipment Co., Ltd.

Iraeta (Jining) (formerly Qilu Special Steel), with the history back to 1985, is mainly engaged in producing high-strength industrial steels, and specialized in the development and manufacturing of titanium and titanium-alloys, super-alloys, nickel-based-alloys, and special steels, including more than 300 grades of high-quality special steel forgings and forged products in 13 major categories, including bonded steel, military steel, tool and die steel, gear steel, bearing steel, roll steel, and stainless steel, where the maximum diameter of forged products is 1,200mm and the maximum length is 24m.

Its products have been widely used domestically in large-scale locomotives, machinery, tooling, automobile, shipbuilding, petrochemical, aerospace, nuclear power, wind power, military industry and other industries, while large quantities also being exported to Australia, Germany, Italy, France, the United States, Japan, South Korea, Turkey, Brazil and other European, American and Asian countries and regions. The Company has cooperation experiences in Chinese national key projects, such as national aerospace launchers, Olympic torch lifter, the Three Gorges large-sized starting gate, large aircraft mould manufacturing, high-speed EMU and large and heavy coal shearer.

The Company has currently formed a complete production and processing system integrating high-speed forging, precision forging, heat treatment, fine machining and physical and chemical inspection. It has introduced the world's largest 2000T RF100 Radial&Precision forging machine from Austrian GFM and together with its parent company, Iraeta Corporation's world first 16m super ring rolling mill from German SMS Group. The company now boasts a world-leading production capacity in forgings, forged pieces, ring rolling, cylinder rolling and other fields.



Iraeta(Jining)
伊莱特（济宁）

工厂俯瞰图
Bird's Eye View of the Factory

Production Capacity

生产能力

'Forge
Ahead
锻造未来 永不止步

伊莱特（济宁）公司拥有国内一流、国际先进水平的工艺装备，已形成集冶炼、快锻、精锻、热处理、机加工、理化检验于一体的完整生产体系，引进全球最大的奥地利GFM RF100型2000吨径向精锻机，为全球客户和市场提供高性价比的锻材和锻件产品。

Iraeta(jining) has domestically first-class and internationally advanced equipment, and has formed an integral production system including smelting, rapid forging, precision forging, heat treatment, machining and physical & chemical inspection, and introduced the world's largest RF100 2000T radial&precision forging machine from Austrian GFM, to provide customers and markets worldwide with cost-effective forgings and forged products.

全球最大 奥地利GFM RF100型2000吨径向精锻机

The world's largest 2000T RF100 Radial&Precision forging machine from Austrian GFM.



冶炼
Smelting

冶炼系统 Smelting system

拥有现代化先进的特殊钢冶炼生产线，可浇筑3-80T各种电炉钢锭和20T以内的气氛保护电渣重熔锭，可满足高洁净、高品质特殊钢的冶炼需求。

The company has a modern advanced special steel smelting production line, which can cast EAF ingots (3-80T) and atmosphere protected electro-slag re-melting(ESR) ingots(3-20T), to meet the smelting requirements of high clean and high-quality special steel.



气氛保护电渣重熔精炼
Atmosphere protection ESR



1600T/2000T/4500T快锻机
1600T/2000T/4500T rapid forging press

锻造系统 Forging system

拥有3T/8T/12T电液锤、2M/5M辗环机、1600T/2000T/4500T快锻机、全球最大的奥地利GFM RF100型2000吨径向精锻机。

此精锻机锤击频率高,锻件具有延伸率大、热量散失小、尺寸精准,并能采用热锻、冷锻或温锻生产,适用于各种不锈钢和特种材料(钛合金、高温合金和无磁钢)的锻造,可生产圆、方、扁、矩形截面、阶梯轴以及厚壁管等超长产品。

The company has 3T/8T/12T Electro-hydraulic Hammers, 2M/5M Ring Rolling Machines, 1,600T/2,000T/4,500T fast forging machines, and the world's largest 2,000T RF100 radial precision forging machines from Austrian GFM.

The precision forging machine has high hammering frequency, and the forgings have high elongation, small heat loss and accurate size. Hot forging, cold forging or warm forging is available for production. It is suitable for forging stainless steel and special materials (titanium alloy, high-temperature and non-magnetic steel), and can produce ultra-long products such as round, square, flat and rectangular sections, stepped shafts and thick-walled tubes.



3T/8T/12T电液锤
3T/8T/12T Electro-hydraulic hammer



2M/5M辗环机
2M/5M Ring rolling machine



热处理炉
Heat treatment furnace



热处理炉
Heat treatment furnace



调质线生产线
QT lines

热处理系统 Heat Treatment System

公司配套有20余台热处理炉,包括天然气台车式退火炉、电阻式热处理炉以及淬火线等,最大长度20M。

20+ heat treatment furnaces, including natural gas trolley annealing furnace, resistance heat treatment furnace and quenching line, with a maximum length of 20M.

机加工系统 Machining System

机加工车间生产现场5万平方米，拥有数控立车20余台、数控卧车20余台、大型数控卧式车床10余台，龙门铣床3台、深孔镗床2台、大型立锯2台、卧式锯床7台、无心车床、无心磨床各1台，扒皮机3台。

其中数控立车加工最大直径 $\phi 4000\text{MM}$ ；锯切规格 $\phi 100-1500\text{MM}$ ；

大型卧式车床最大加工直径 $\phi 1200\text{MM}$ ，最大长度18M；

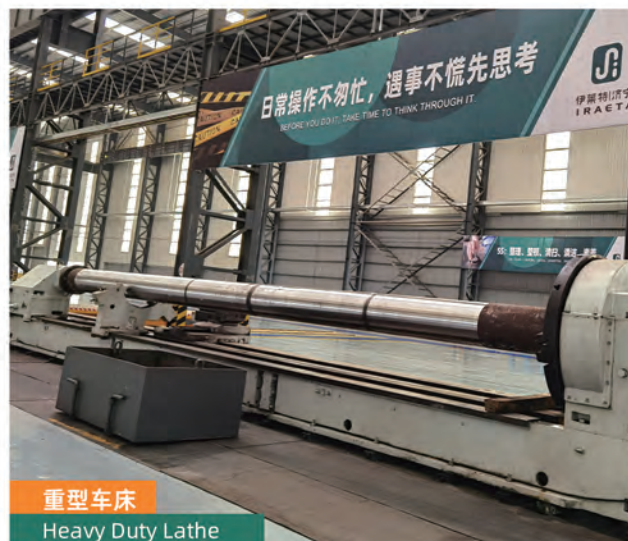
深孔钻镗床加工规格600-1300MM；铣床加工3M*10M。

The machining workshop: 50,000 m², 20+ CNC vertical lathes, 20+ CNC horizontal lathes, 10 Heavy Duty Lathes, 3 Gantry milling machines, 2 deep-hole boring machines, 2 large vertical sawing machines, 7 horizontal sawing machines, 1 Coreless lathe, 1 coreless mill, 3 peeling machines.

Sawing Machine: Dia.100-1,500mm; CNC Vertical Lathe: Max.diameter: 4,000mm ;

Heavy Duty Machines: Max.diameter: 1,200mm, Max.Length: 18M;

Deep Hole Drilling & Boring Machine: 600-1,300mm; Milling Machine: 3M*10M.



重型车床
Heavy Duty Lathe



数控立车
CNC vertical lathe



无心车床/无心磨床
Coreless lathe/coreless mill



数控卧车
CNC horizontal lathes

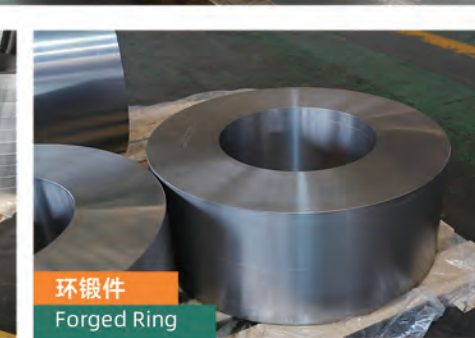
Main Products 主要产品



圆棒
直径60-1200mm
Forged Round Bar
Diameter:60-1,200mm



方钢/扁钢/模块
宽度100-1600mm
Square Steel/Flat Steel/Block
Width:100-1,600mm



轧辊
直径100-1200mm
Mill Roll
Diameter:100-1,200mm

环件
直径600-5000mm
重量350kg-20T
Forged Ring
Diameter:600-5,000mm
Weight:350kg-20Tons

台阶轴
直径80-1200mm
Step Shaft
Diameter:80-1,200mm

锻管
外径300-750mm
内径160-600mm
壁厚35-150mm
长度最长24米
Forged Tube
OD: 300-750mm
ID: 160-600mm
Wall thickness: 35-150mm
Max.Length up to 24M
年产能15万吨
Annual capacity:150,000 Tons

钢种牌号

Steel grades

碳素钢 及合金钢 Carbon and alloy steel	45# / 45C / AISI1045
	S355
	42CrMo / 42CrMo4 / AISI4140
	18CrNiMo7-6 / 1.6587
模具钢 Tool/Mold steel	40CrNiMo / AISI4340
	718 、 D2
	Cr12MoV 、 5CrNiMo / L6
	H11 、 H13
	1.2738 、 1.2379
	1.2343 ESR 、 1.2344 ESR
钛合金 Titanium alloy	1.2714 、 1.2311、 1.2312
	TA1 / TA2 / TA3 / TA4 / TA5 / TA15
	TC4 / TC6/TC11 / TC18
	Gr1 / Gr2 / Gr5
高温合金 High-temperature alloy	Gr7 / Gr9 / Gr12 / Gr23
	GH4169 / GH2901
	GH3230 / GH4080A
不锈钢 Stainless steel	R26 / X750 / 718
	304 / 410 / 420 / 431 / 440C/630
	1.4301 / 1.4401 / 1.4006 / 1.4021
	1.4057 / 1.4125 / 1.4401 / 1.4542

应用领域

Application range

- 模具行业：**
用于冷作和热作模具、注塑模具、锻压模具、冲压模具、压铸模具等。
- 工具行业：**
用于制作高效率、高耐磨的切削刀具。
- 汽车行业：**
用于制作定位安装的零件，大型冲压件。
- 无磁领域：**
如：无磁钻铤，可实施无磁环境，并且具有钻井中钻铤的特性。
- 机械零件：**
用作热锻和热冲压的机械零件，如曲轴、拉杆等。
- 高负荷结构件：**
如：车辆和发动机的传动件，轴、齿轮、连杆等。
- Mold industry:**
For cold work and hot work molds, injection molds, forging molds, stamping molds, die-casting molds, etc.
- Tool industry:**
For cutting tools with high efficiency and high wear resistance.
- Automobile industry:**
Parts for positioning and installation, and large stamping parts.
- Non-magnetic field:**
Non-magnetic drill collars, applicable to a non-magnetic environment, with the characteristics of drill collars in drilling.
- Mechanical parts:**
For hot forging and hot stamping, such as crankshaft, connecting rod, tie rod, etc.
- High load structural parts:**
Vehicle and engine transmission parts, shafts, gears, connecting rods, etc.

质量研发

High-quality R&D

伊莱特集团现有1个销售公司、1个先进材料产业研究院、7个制造事业部、7个管理中心、1个上海分公司、1个济宁工厂、1个西班牙工厂、1个物流公司，全球员工2200余人。

近半个世纪来，伊莱特始终扎根于装备制造行业心无旁骛，从大西洋沿岸的海上风机、到中国东海之滨的四代核电、再到秘鲁崇山峻岭中的矿山，都能见到我们产品的身影。秉承“诚实、谦逊、坚韧、拼搏”的价值观，伊莱特始终致力于通过高质量产品为全球客户创造可持续价值。

IRAETA Group has 1 sales company, 1 advanced material industry research institute, 7 business divisions, 7 management centers, 1 Shanghai Branch, 1 Spanish Company(FIHI), 1 Jining Company and 1 Logistics Company, with over 2,200 employees globally.

For nearly half a century, Iraeta has always been devoting to the forging industry. From the offshore wind turbines along the Atlantic coast, to the four-generation nuclear power on the coast of the East China Sea, and to the mines in the mountains of Peru, you can see our products. Adhering to the values of "honesty, humility, tenacity and hardwork", Iraeta is always committed to creating sustainable value for global customers through high-quality products and service.



冶炼厂俯瞰图 Bird's Eye View of the smelting factory



伊莱特董事长牛余刚与李依依院士
IRAETA Chairman Niu Yugang & Academician Li Yiyi

伊莱特集团拥有强大的科技及产品研发能力，与中科院金属所合作成立李依依院士工作站，在高端金属材料及锻件产品的研发制造和成果转化方面展开深度合作。

同时，与北京钢铁研究院、中国原子能院、哈工大机器人（山东）研究院等知名科研院所、高校和专家保持长期良好合作。

Iraeta Group has strong scientific & technological and product R&D capabilities.

It has cooperated with the Institute of Metals of the Chinese Academy of Sciences to set up Academician Li Yiyi Workstation to carry out in-depth cooperation in the research, development, manufacturing and achievement transformation of high-end metal materials and forging products.

At the same time, it has maintained long-term good cooperation with well-known scientific research institutes, universities and experts such as Beijing Iron and Steel Research Institute, China Atomic Energy Institute, etc.

公司检测手段齐全，引进大型数字直读光谱仪、探伤仪、氮氢氧分析仪、万能试机、-60℃低温冲击试验机、蔡司显微镜等上百套检验仪器，拥有很强的生产、试验、研究和新产品开发能力。

The Company has a complete set of Inspection & Test system, and has introduced over a hundred sets of test instruments, such as large-size digital direct reading Spectrometer, Flaw Detector, ONH Analyzer, Universal Testing Machine, -60℃ Impact Testing Machine and Zeiss Microscope, and is highly capable in production, testing, research and new product development.



万能试验机
Universal testing machine



冲击试验机
Impact testing machine



直读光谱仪
Direct-reading spectrometer



ONH元素分析仪
ONH elemental analyzer



硬度检验
Hardness test



实验模拟炉
Simulated Experiment Furnace



质量管理体系认证 ISO9001:2015



环境管理体系认证 ISO14001:2015



职业健康安全管理体系认证
ISO45001:2018



ABS Certificate



NK Certificate



LR Certificate



KR Certificate



BV Certificate



DNV Certificate

交通

Traffic



周边主要港口 / Major Surrounding Ports

距青岛港：300公里	To Qingdao Port: 300km
距潍坊港：200公里	To Weifang Port: 200km
距日照港：300公里	To Rizhao Port: 300km
距天津港：350公里	To Tianjin Port: 350km

曲阜东站

Qufudong Railway Station



驾车40分钟 / 40 mins' By car

曲阜机场

Qufu Airport



驾车1小时 / 1 hour By car

青岛

Qingdao



高铁3小时 / 3 hours by train

北京

Beijing



高铁2小时 / 2 hours by train

上海

Shanghai



高铁3小时 / 3 hours by train



飞机2小时 / 2 hours by plane