

传动装备事业部

Transmission Equipment Business Unit ●

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A professional manufacturer of forged flanges and ring forgings

专业的锻造法兰及
环形锻件制造商



Gearbox forgings
齿轮箱锻件



Engineering machinery
ring forgings
工程机械环锻件



UHV transmission tower/
Ropeway tower flanges
特高压输电塔/索道塔法兰



Pipeline flanges
管道法兰

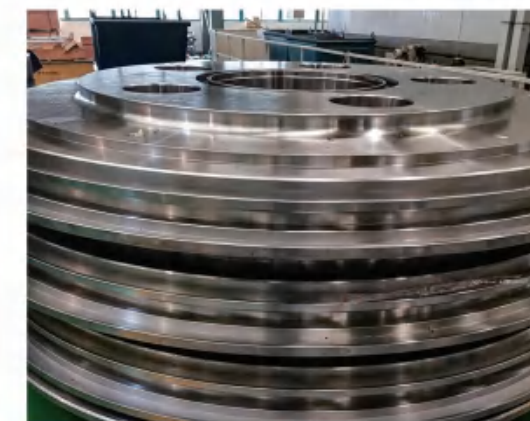
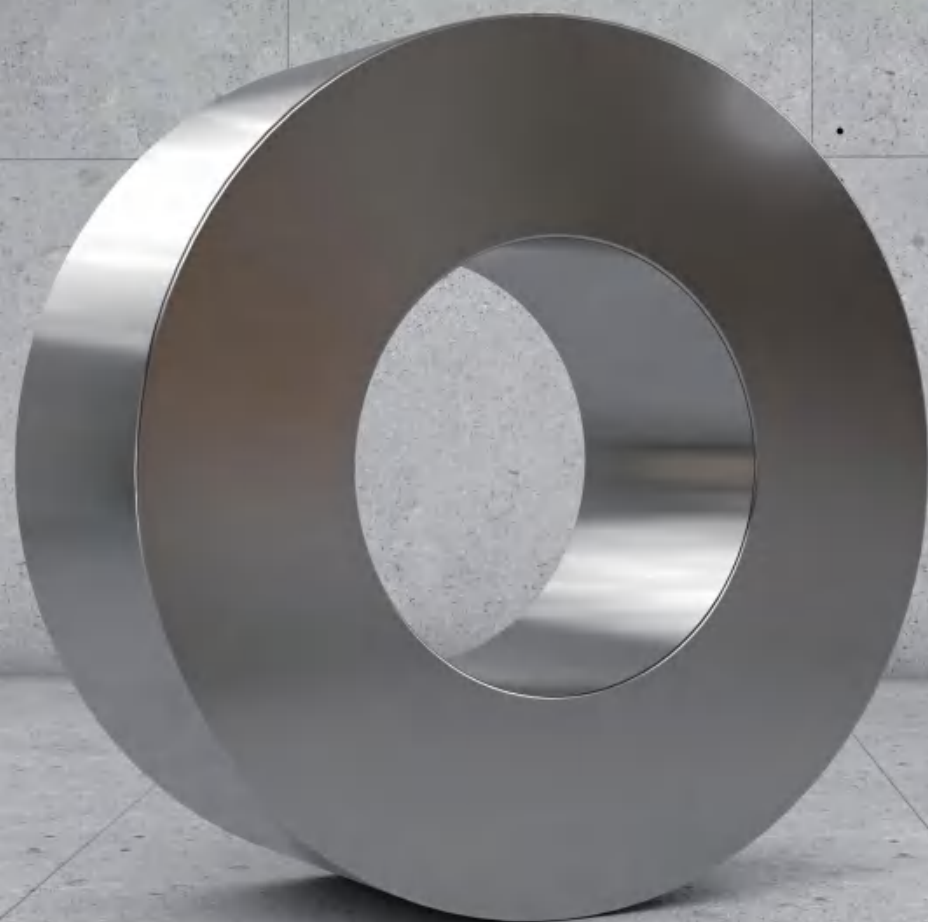


others
其他



+

齿轮箱锻件
Gearbox forgings



GEARBOX FORGINGS

Size:
300 mm - 3,000 mm

Main Materials:
42CrMo(4), 18CrNiMo7-6,
17CrNiMo6, 31CrMoV9,
30CrNiMo8

Application Areas:
wind power, lifting,
mixing machinery,
heavy-duty machinery, etc

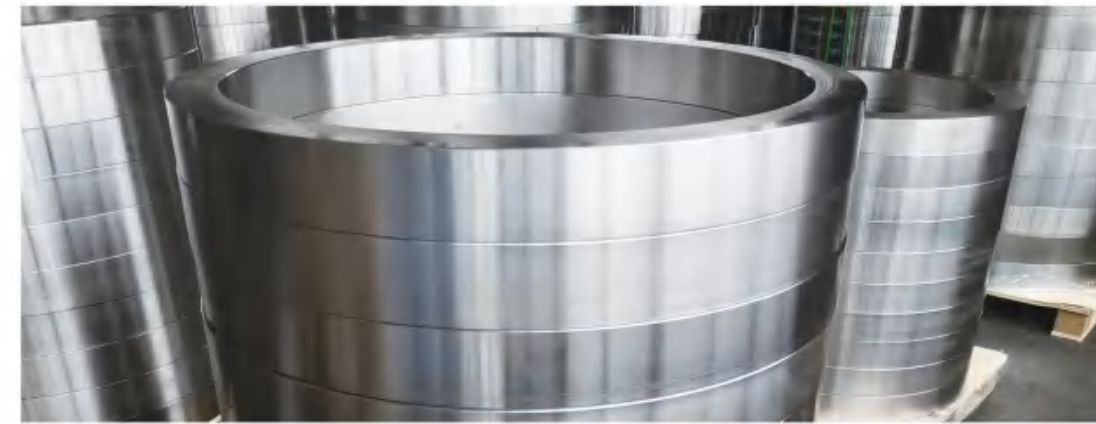
齿轮箱锻件

尺寸:
300mm-3,000mm

主要材质:
42CrMo(4)、18CrNiMo7-6、
17CrNiMo6、31CrMoV9、
30CrNiMo8

应用领域:
风电、起重、搅拌、重载等行业

工程机械环锻件
Engineering machinery ring forgings



ENGINEERING
MACHINERY
RING FORGINGS

Size:
300 mm - 3,000 mm

Main Materials:
45#, A36, 50Mn,
S48C, 42CrMo(4)

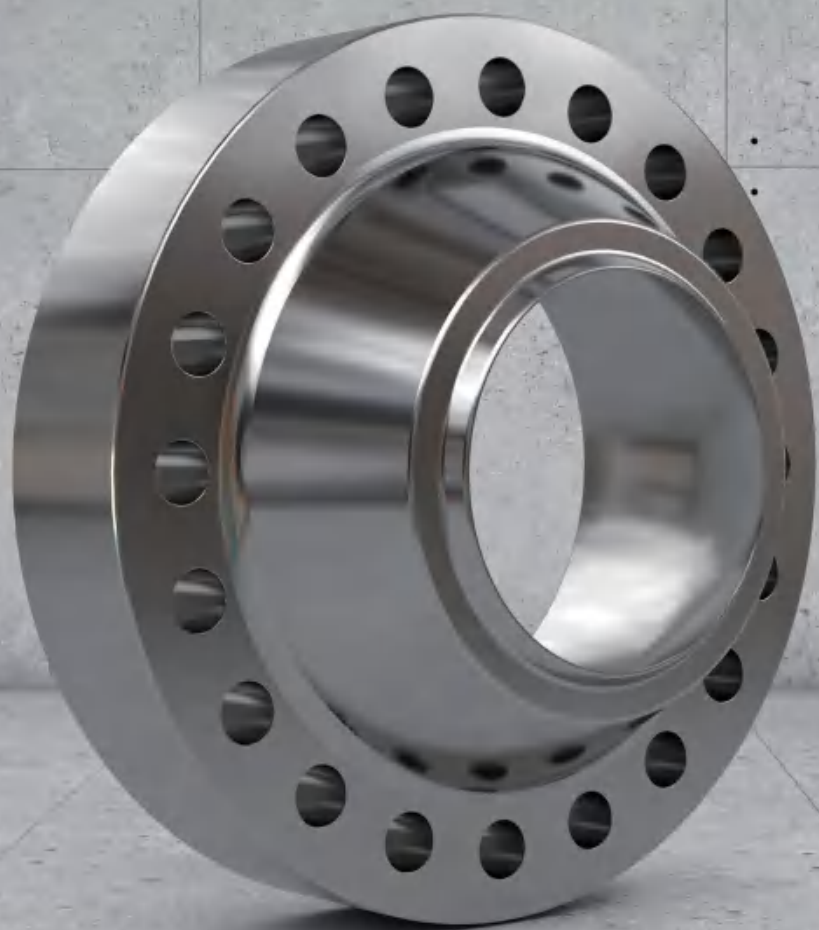
Application Areas:
lifting machinery,
mining machinery,
construction machinery,
port machinery,
ship machinery, etc

工程机械环锻件

尺寸:
300mm-3,000mm

主要材质:
45#、A36、50Mn、
S48C、42CrMo(4)

应用领域:
起重机械、采掘机械、
建筑机械、港口机械、
船舶机具等



特高压输电塔/索道塔法兰
UHV transmission tower/Ropeway tower flanges



UHV TRANSMISSION TOWER/ ROPEWAY TOWER FLANGES

Size:
300 mm - 3,000 mm

Main materials:
Q355B、Q355C、Q420B、Q460C、S355J2

Application Areas:
State Grid UHV transmission tower,
European power tower, ropeway tower

Major Projects:
Huainan - Nanjing - Shanghai 1000KV UHV Transmission
Line Project
Xilingol - Shandong 1,000KV UHV Transmission Line Project
Beijing West - Shijiazhuang, Shandong - Hebei ring grid
1,000KV UHV Transmission Line Project
Inner Mongolia West - Jinzhong 1,000KV UHV Transmission
Line Project
Zhangbei - Xiong'an, Zhumadian - Nanyang 1,000KV UHV
Transmission Line Project

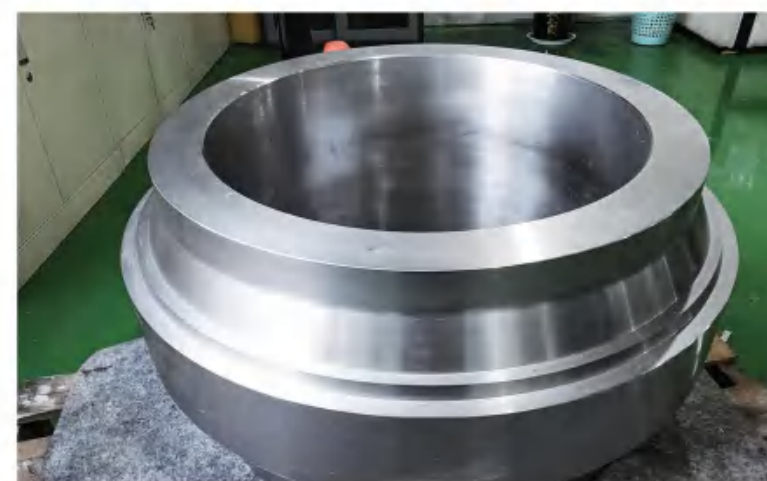
特高压输电塔/索道塔法兰

尺寸:
300mm-3,000mm

主要材质:
Q355B、Q355C、Q420B、Q460C、S355J2

应用领域:
国家电网特高压输电塔、欧洲电塔、索道塔

重要项目:
淮南-南京-上海1,000KV特高压输电线路工程
锡盟-山东1,000KV特高压输电线路工程
北京西-石家庄、山东-河北环网1,000KV特高压输电线路工程
蒙西-晋中1,000KV特高压输电线路工程
张北-雄安、驻马店-南阳1,000KV特高压输电线路工程





管道法兰
Pipeline flanges



PIPELINE FLANGES

Flange Standard:

ASME B16.5、ASME B16.47(MSS SP-44 & API 605)、
AWWA C207、BS3293、BS4504、B510、SABS 1123、
EN1092-1、DIN、JIS、GOST 12815、GOST 12820、
GOST12821、GOST 33259、AS 2129

Size:

1/2" -144"

Main Materials:

S235JR、ST37.2、A105、A350 LF2、A694 F52、
F60、F65、F70、P245GH、P250GH、
P280GH、P355QH,etc

Application Areas:

petroleum industry, chemical industry,
irrigation, electric power, power station,
pipeline fittings, industrial pressure vessels,etc

管道法兰

法兰标准:

ASME B16.5、ASME B16.47(MSS SP-44 & API 605)、
AWWA C207、BS3293、BS4504、B510、SABS 1123、
EN1092-1、DIN、JIS、GOST 12815、GOST 12820、
GOST12821、GOST 33259、AS 2129

尺寸:

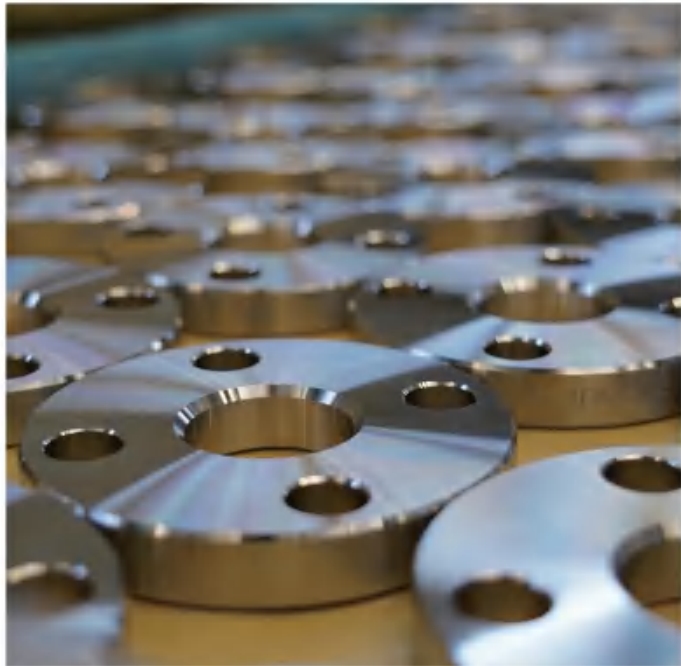
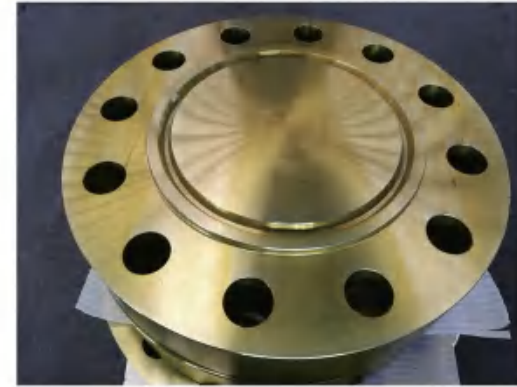
1/2" -144"

主要材质:

S235JR、ST37.2、A105、A350 LF2、A694 F52、
F60、F65、F70、P245GH、P250GH、
P280GH、P355QH等

应用领域:

石油、化工、水利、电力、电站、
管道配件、工业压力容器等





Tube section

Size:
300 mm - 3,000 mm

Main materials:
A182 F12、A182 F22、
A105、45#、42CrMo(4)

Application Areas:
offshore platforms,
pressure vessels,
nuclear power,
railroad tank cars, clutches,
brakes, couplings, etc

Major Projects:
Pressure vessel project in Russia,
600MW Demonstration Fast
Reactor shellfish trap forgings, etc



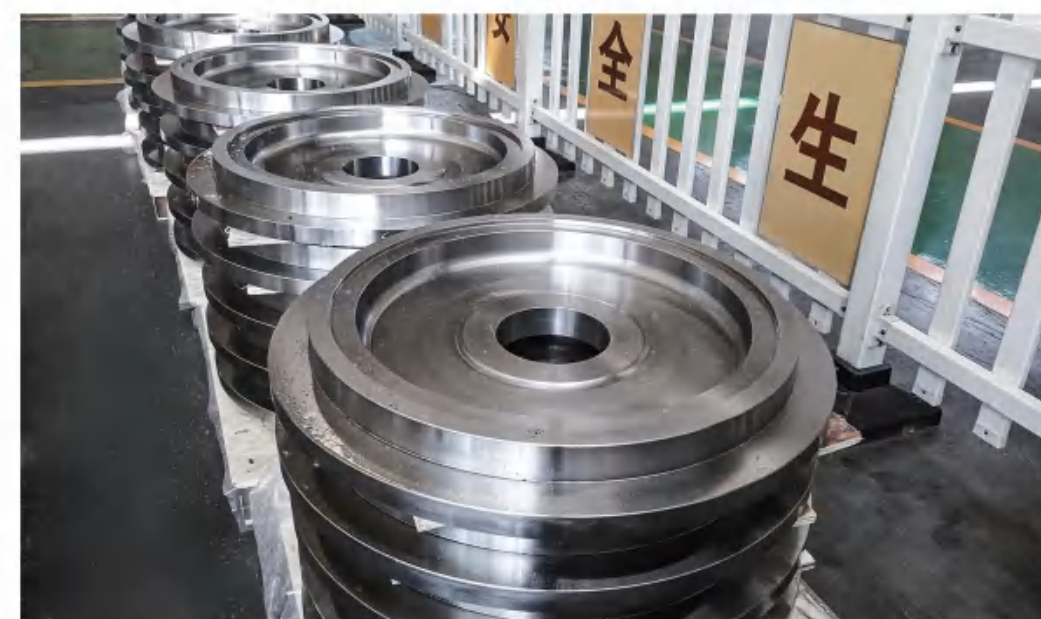
其他锻件

尺寸:
300mm-3,000mm

主要材质:
A182 F12、A182 F22、
A105、45#、42CrMo(4)

应用领域: 海工平台、压力容器、
核电、铁路罐车、离合器、
制动器、联轴器等

重要项目:
俄罗斯压力容器项目、
600MW示范快堆贝类捕集器锻件等



风能
Wind Power

核能
Nuclear Power

特高压电网
UHV Grid

矿山磨料
Mine Abrasives

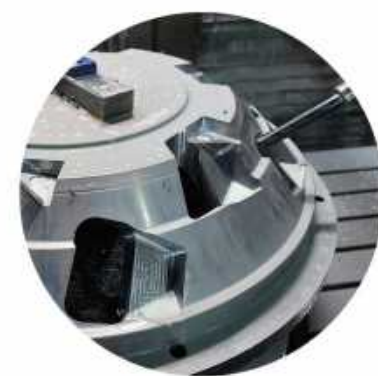
流体输送与控制
Fluid Transport and Control

基础设施与资产装备
Infrastructure and Asset Equipment



 **Controllable**
Reliable
Traceability

可控 可靠 可追溯





料场
Stock ground

The stockyard adopts designated placement management; all raw materials are checked twice (client requirement standards and internal control standards) before entering the stockyard.

料场定置化管理，原材料经双重检验（客户需求标准、内部控制标准）方可进场。



锯床
Cutting machine



加热炉
Heating furnace



3吨电液锤
3t electro-hydraulic hammer



8吨电液锤
8t electro-hydraulic hammer



10吨电液锤
10t electro-hydraulic hammer



1,250吨锻造液压机
1,250t hydraulic forging press



2,000吨锻造液压机
2,000t hydraulic forging press

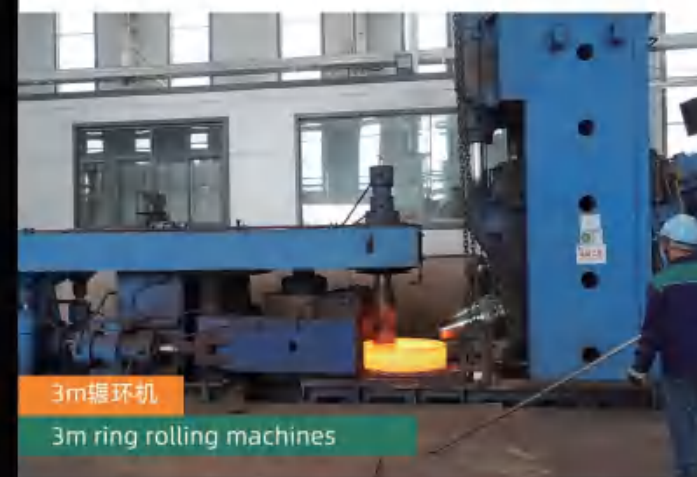
Forging ratio, blank shape, size and processing temperature are strictly controlled
严格控制锻造比、毛坯形状、尺寸及过程温度



自动化模锻线
Automatic drop-forging production line



立式扩孔机6台 D51-2000
6 vertical ring rolling machines



3m 辗环机
3m ring rolling machines



卧式辗环机2台 D52-5000
2 horizontal ring rolling machines



热处理
Heat treatment



Regular testing of furnace temperature uniformity, equipment accuracy, etc., heating, holding and cooling procedures of the heat treatment are strictly controlled

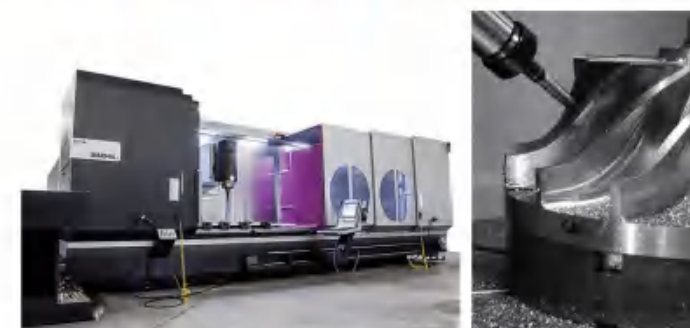
定期检测炉温均匀性、设备精度等，严格控制热处理环节中的升温、保温、冷却



机加工
Machining



精密机加工
Precision machining

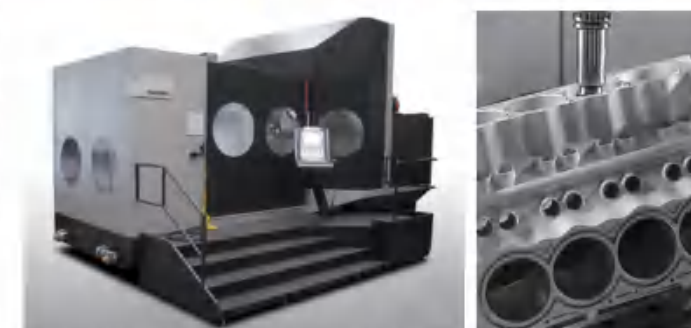


ZVH五轴联动加工中心

配备五轴车铣转台，最大加工直径4000毫米，最大加工承重重达8吨，加工精度达8微米，具有大载重，高精度，重切削等加工特点。适合航空航天行业复杂盘型和箱体的加工任务。

ZVH Five-axis milling & turning machining center

Five-axis milling & turning rotary table, max milling diameter: 4,000 mm, max milling weight: 8 t, precision: 8 μ m, capable of intensive and precise milling of heavy workpieces. The milling center is ideal for complex disk and box type workpieces of the space and aeronautics industry.



THR车铣复合五轴联动加工中心

配备高性能工作台，可以满足大尺寸工件加工需求，设备安装立卧转换的可以连续联动加工的45度高扭矩电主轴，可以完成不同复杂零件五面加工和曲面的高精度加工。

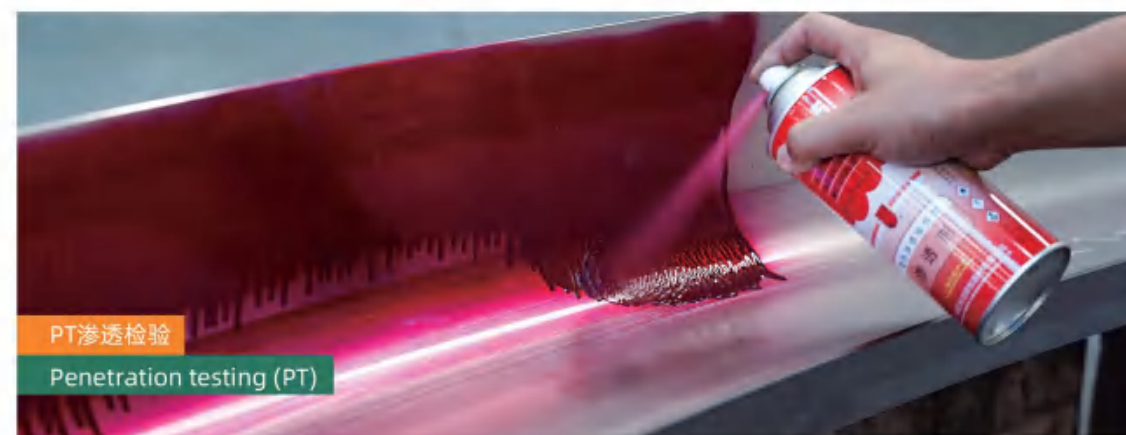
THR Five-axis milling & turning machining center

High-performance workbench, capable of processing large workpiece. The workbench is equipped with a vertical/horizontal 45-degree high-torque electric spindle capable of continuous linkage machining, ideal for five-sided machining of various complex parts and high-precision machining of curved surfaces.



试样留存

Sample retention



PT渗透检验

Penetration testing (PT)



机械性能测试

Mechanical performance testing



冲击试验

Impact test



三坐标

Coordinate measuring machine



UT超声波检验

Ultrasonic testing (UT)



金相检验

Metallographic examination



硬度检验

Hardness testing



粗糙度检验

Roughness testing



MT磁粉检验

Magnetic testing (MT)



ONH元素分析仪

ONH elemental analyzer



直读光谱仪

Direct-reading spectrometer



便携式光谱检验

Portable spectrometer



千分尺测量

Micrometer measuring



螺纹孔检验
Threaded hole inspection



钢印标识
Embossed marking



全程可追溯完工资料
Full traceability of completion information



包装
Packaging



物流发货
Logistics and shipping



Cooperation with Two Academicians Ensures More Reliable Materials

双院士合作，材料更可靠

我们携手中国科学院李依依、李殿中两位院士，依托其在金属材料领域的权威造诣，深耕金属构筑成形技术，专攻特殊原材料定制。

金属构筑成形技术实现异种金属高效连接，适配大型装备需求并降本。这些技术已深度服务多领域：为核电设备提供耐辐射保障，延长水电站叶片寿命，助力风电机组抗极端气候，为海洋平台构建防腐体系，满足高端炼化装置要求。我们以技术赋能产业，致力于为全球客户创造可持续价值。



We collaborate with Academicians Li Yiyi and Li Dianzhong of the Chinese Academy of Sciences, leveraging their authoritative expertise in metallic materials to specialise in metal construction forming technology and customise specialised raw materials. This technology enables efficient joining of dissimilar metals, accommodating large-scale equipment requirements while reducing costs. These technologies have been extensively applied across multiple sectors: providing radiation resistance for nuclear power equipment, extending the lifespan of hydroelectric turbine blades, enhancing wind turbine resilience against extreme weather, constructing corrosion protection systems for offshore platforms, and meeting the requirements of high-end refining and chemical processing facilities. We empower industries through technology, committed to creating sustainable value for our global clients.





阿根廷/Argentina	南非/South Africa
巴西/Brazil	挪威/Norway
比利时/Belgium	日本/Japan
波兰/Poland	瑞士/Switzerland
丹麦/Denmark	斯洛文尼亚/Slovenia
德国/Germany	泰国/Thailand
俄罗斯/Russia	西班牙/Spain
法国/France	以色列/Israel
芬兰/Finland	意大利/Italy
韩国/Korea	印尼/Indonesia
荷兰/Netherlands	英国/England
加拿大/Canada	越南/Vietnam
罗马尼亚/Romania	摩洛哥/Morocco
美国/America	巴基斯坦/Pakistan
秘鲁/Peru	津巴布韦/Zimbabwe

Tackling complex challenges
by your side

与您并肩应对复杂挑战

传动装备事业部是伊莱特成立最早的事业部，该事业部现拥有员工300多人，能提供从锻造到热处理、机加工的全部制造工序并拥有1万平米的物流存储中心，该事业部同时拥有全自动模锻生产线和包括五轴数控加工中心的精密加工车间，最大年产能10万吨。

传动装备事业部严格按照ISO 9001等管理体系认证进行运营，并拥有民用核安全设备制造许可以及八国船级社认证等认证。主要产品包括管道法兰、特高压电塔法兰、风电齿轮箱锻件、回转支承锻件等各类环形锻件。产品被广泛应用在流体管道、工程机械、电力、风电、造纸、海工船舶等领域。

从20世纪90年代，传动装备事业部就开始将自己的产品销售至世界各地，我们拥有20多年国际贸易和销售服务经验，通过与我们的兄弟公司——位于西班牙巴斯克自治区的FIHI以及位于巴西、加拿大等地的代理的合作，我们具备强大的全球交付能力，服务客户包括迪尔日立、日立建机、利勃海尔、POMA等众多行业领先者。



As one of the earliest divisions of Inaeta, Transmission Equipment Business Unit now has more than 300 employees capable of all manufacturing processes from forging to heat treatment and machining; the Division also boasts a fully automatic drop-forging production line and a precision machining workshop that includes a five-axis CNC machining center capable of a maximum annual production capacity of 100,000 tons. The Division also has a 10,000 square meter logistics storage center.

Transmission Equipment Business Unit operates in strict accordance with ISO 9001 and other management system certifications, and has certifications such as civil nuclear safety equipment manufacturing license and classification societies certifications from eight countries. The Division's products include pipeline flanges, UHV tower flanges, wind power gearbox forgings, slewing bearing forgings and other types of ring forgings, which are widely used in pipelines, engineering machinery, electricity, wind power, paper making, offshore vessels and other fields.

Transmission Equipment Business Unit has been selling its products all over the world since the 1990s. With over 20 years of experience in international trade and sales service and cooperation with our sister company, FIHI in the Basque, Spain, as well as agents in Brazil and Canada, we are now capable of global delivery, serving customers such as Deere-Hitachi, Hitachi Construction Machinery, Liebherr, POMA and many other industry leaders.

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ransmission Equipment Business Unit

传动装备事业部

Company Profile

公司介绍

伊莱特——为人类锻造更加安全、绿色与高效的未来工业。

伊莱特致力于向各类先进装备与高价值资产提供关键可靠部件，我们在锻造行业拥有半个世纪的坚定承诺，以及超过30年的国际市场服务经验。

我们在中国和西班牙的10个生产基地和2500余名员工，服务于清洁能源、化石能源、海洋工程、隧道掘进、水泥制造、金属矿山等不同市场的客户。

伊莱特高度聚焦于锻造行业，主要产品包括盘类、环类、筒体锻件，锻棒与锻轴，耐磨介质等，涵盖了从0.3公斤到350吨的各类大中小型锻件。我们能提供从原材料定制、锻造、热处理、高精度机加工、检测、复杂运输的整套解决方案。

我们拥有全球少数公司才具备的极限制造能力，可提供最大重量350吨的自由锻件，最大直径22米的整体无缝轧环，最大高度5米的锻轧式筒节，以及最大长度25米的径向锻棒。伊莱特在2022年制造出了直径15.7米，周长49.2米的整体无缝锻环，创造了吉尼斯世界纪录。

这些加工能力帮助我们推出一系列创新性产品，并将其成功应用于四代核电、日产万吨水泥回转窑、掘进直径16米盾构机、25MW 漂浮式海上风机等超级装备中。

愿景：为人类锻造更加安全、绿色与高效的未来工业。

使命：成为全球高端装备锻件核心部件制造商。

价值观：诚实、谦逊、坚韧、拼搏。

Traffic 交通

济南国际机场 Jinan Airport	驾车40分钟 / 40 mins drive
青岛 Qingdao	高铁2小时30分钟 / 2 hours 30 mins by train
北京 Beijing	高铁2小时30分钟 / 2 hours 30 mins by train
上海 Shanghai	高铁4小时10分钟 / 4 hours 10 mins by train 飞机1小时50分钟 / 1 hour 50 mins by plane

Iraeta - We forge a safer, greener, and more efficient future.

Iraeta delivers mission-critical forged components with exceptional reliability for advanced machinery and high-value assets. With over 50 years in forging and more than three decades serving global markets, we bring unmatched experience to every project.

Our 10 production facilities in China and Spain support customers in clean energy, oil and gas, marine engineering, tunnel boring, cement production, and metal mining.

As a forging specialist, Iraeta produces discs, rings, shells, bars, shafts, and wear-resistant grinding media—ranging from 0.3 kg to 350 tons. We deliver end-to-end solutions—from custom material preparation and forging to heat treatment, precision machining, rigorous testing, and global logistics.

Our extreme manufacturing capabilities—held by only a few companies worldwide—enable us to produce 350-ton open-die forgings, 22-meter seamless rings, 5-meter-tall rolled shells, and 25-meter-long forged bars. In 2022, Iraeta set a Guinness World Record by producing the world's largest seamless forged ring—15.7 meters in diameter and 49.2 meters in circumference.

These capabilities have enabled a range of innovations now deployed in large-scale applications—from fourth-generation nuclear power plants and cement rotary kilns with 10,000 tons/day output, to 16-meter shield tunneling machines and 25 MW floating offshore wind turbines.

Vision: Forge a safer, greener, and more efficient future for all.

Mission: To lead the world in critical forgings for advanced equipment.

Values: Honesty, Humility, Perseverance, Work.

距章丘港：30公里	To Zhangqiu Port: 30km
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