

www.iraeta.com/en.iraeta.com sales4@iraeta.com 山东省济南市章丘区济王路4177号 /4177 Jiwang Road, Zhangqiu, Jinan, China HNZZ.V2.03/20250720

# 图 锻造未来永不止步 Forge

- 公司介绍/COMPANY PROFILE
- **○ 核电部件/NUCLEAR POWER COMPONENTS**

支承环/Support ring 泵支承锻件/Pump support forging 旋塞锻件/Cock forging 补偿器锻件/Compensator forging 底法兰/Bottom flange

化工及石化领域压力容器配套锻件/PRESSURE VESSEL FORGING FOR CHEMICAL AND PETROCHEMICAL INDUSTRIES

筒节/Shell 过渡段/Transition section 裙座锻环/Skirt forging 顶部支撑锻环/Top support forged ring 管板/Tubesheet

→ 水电与抽水蓄能用锻件/FORGINGS OF HYDROELECTRICITY AND PUMPED-STORAGE POWER STATION

顶盖法兰/Top cover flange 磁轭圆盘/环板/Magnetic yoke disc/Annular plate

工程机械及矿山冶金机械锻件/FORGINGS OF ENGINEERING MACHINERY
 AND MINING METALLURGICAL MACHINERY

轮带/滚圈/Kiln Tyre/Roller 托轮/Supporting wheel 刀盘法兰/Shield machine cutter flange 驱动法兰/Driving disc flange

海工装备及海上风电锻件/FORGINGS OF MARINE ENGINEERING EQUIPMENT AND OFFSHORE WIND POWER

替打环/Anvil ring 送桩器锻件/Pile feeder forging 风电法兰/Wind tower flange 齿圈/Gear ring

**可控・可靠・可追溯/CONTROLLABLE,** RELIABLE, TRACEABLE



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、简体锻件,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。

Iraeta - Forge a safer, greener and more efficient future for manking

Iraeta is committed to supplying mission-critical, high-reliability components for advanced equipment and high-value assets. We have half a century of dedication to the forging industry and over 30 years of service offering experience in the global market.

We serve clients across clean energy, fossil fuels, marine engineering, tunnel boring, cement production, and metal mining sectors through our 10 production bases in China and Spain, supported by a workforce of over 2,500.

Specializing exclusively in forging, Iraeta manufactures disc, ring, and shell forgings, forged bars & shafts, as well as wear-resistant grinding media—covering small, medium, and large forgings ranging from 0.3 kg to 350 tons. We deliver end-to-end solutions, from custom material preparation and forging to heat treatment, high-precision machining, testing, and complex logistics.

With extreme manufacturing capabilities that only a handful of global firms possess, we can provide open-die forgings with a maximum weight of 350 tons, seamless rolled rings up to 22 m in diameter (monolithic construction), rolled cylindrical shells up to 5 m in height, and radially forged bars up to 25 m in length. In 2022, Iraeta set a Guinness World Record by producing the largest seamless forged ring ever made: 15.7 m in diameter (49.2 m circumference)

These processing capabilities enable us to launch a series of innovative products, which have been successfully applied to super equipment such as the fourth-generation nuclear power plant, cement rotary kilns with a daily output of 10,000 tons, shield machines with a tunneling diameter of 16 m, and 25 MW floating offshore wind turbines.

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

Mission: Become the core manufacturer of equipment forgings in the world Values: Honesty, humility, tenacity, and diligence.



# **Support Ring**

- Diameter 15,673 mm
- Weight 150 t
- Material F316H
- Research and develop seamless construction technology in cooperation with Institute of Metals, Chinese Academy of Science
- Near-net-shape radial-axial rolling technology

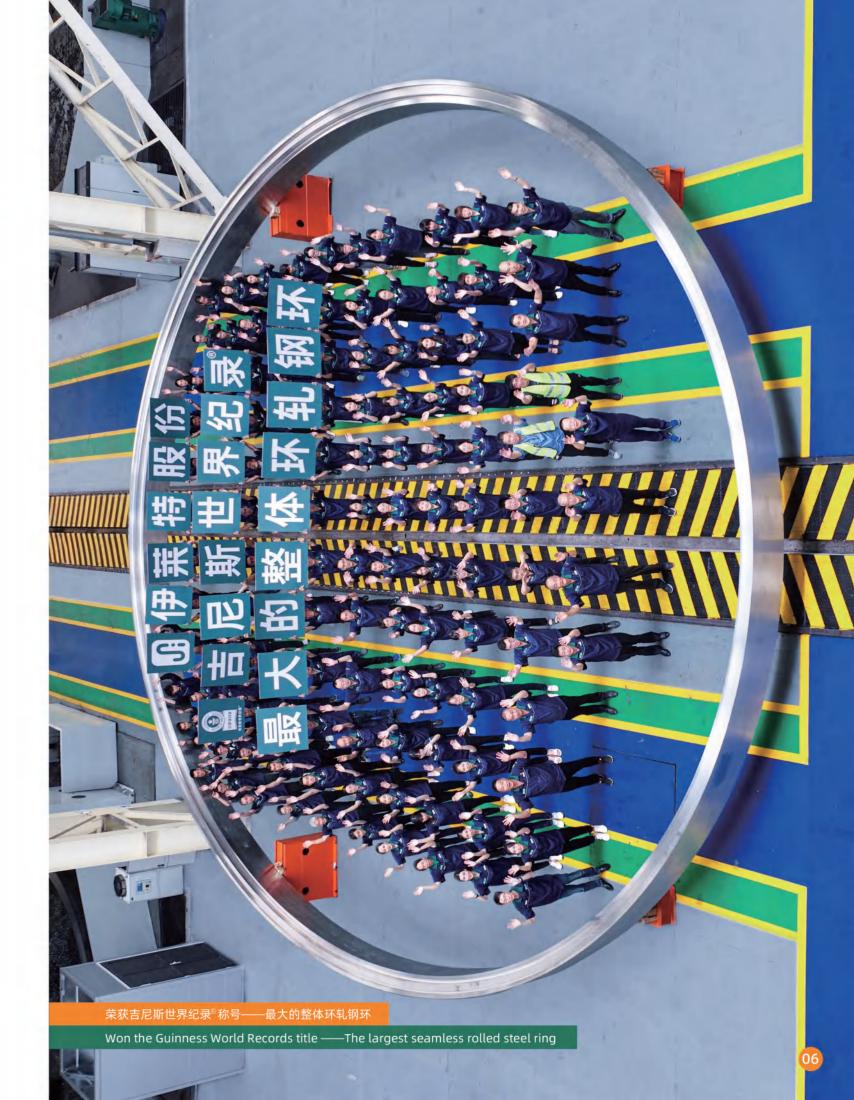
# 支承环

- 直径15673mm
- 重量150 t
- 材质F316H
- 与中科院金属所合作研发无痕构筑技术
- 近净成形径轴向轧制工艺

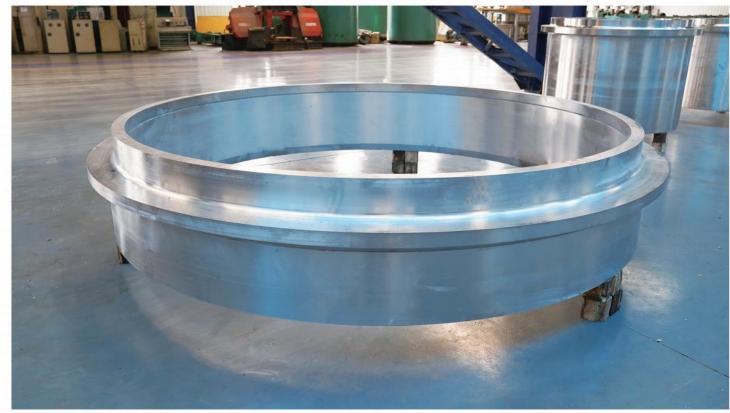
Nuclear power component 核电部件







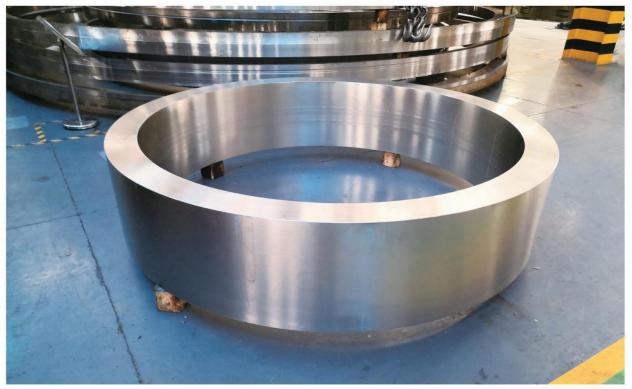


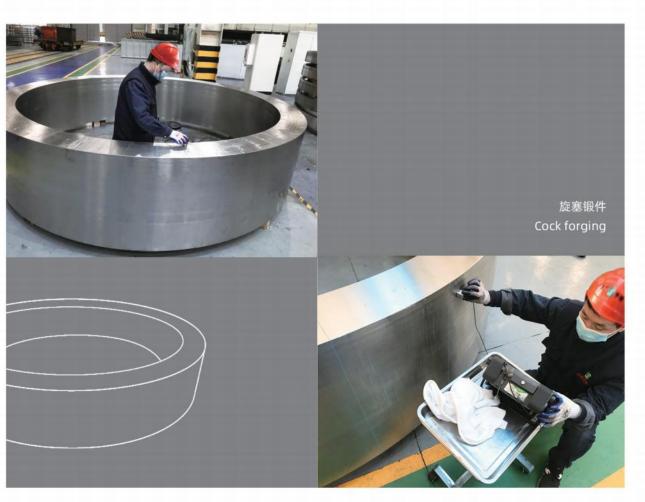










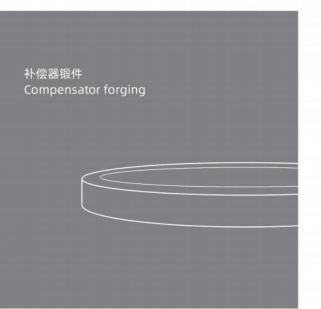






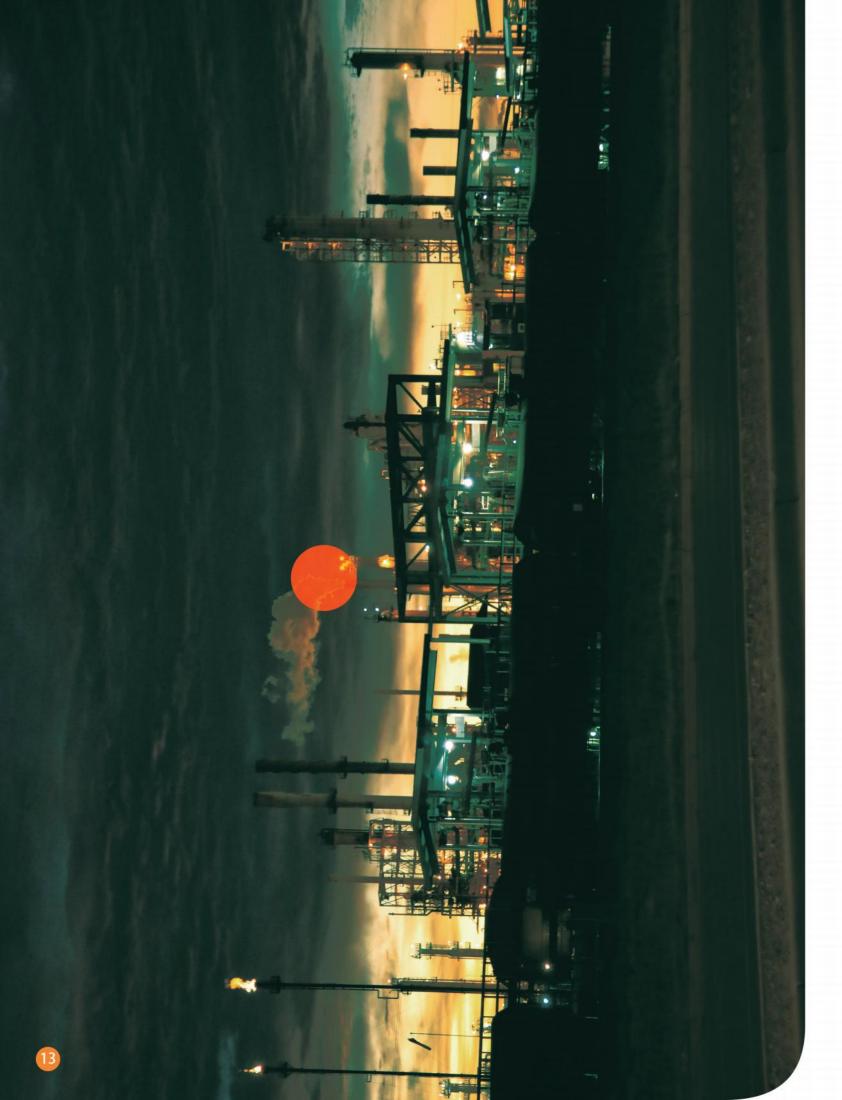












# Pressure vessel forgings for chemical and petrochemical industries

化工及石化领域压力容器配套锻件

## Selected cases and clients:

LNG Canada

CNPC

Sinopec

LS Heavy Machinery.

Shanxi Yangquan Coal Industry

LOINTEK, S.L.

# 部分案例及客户:

LNG Canada

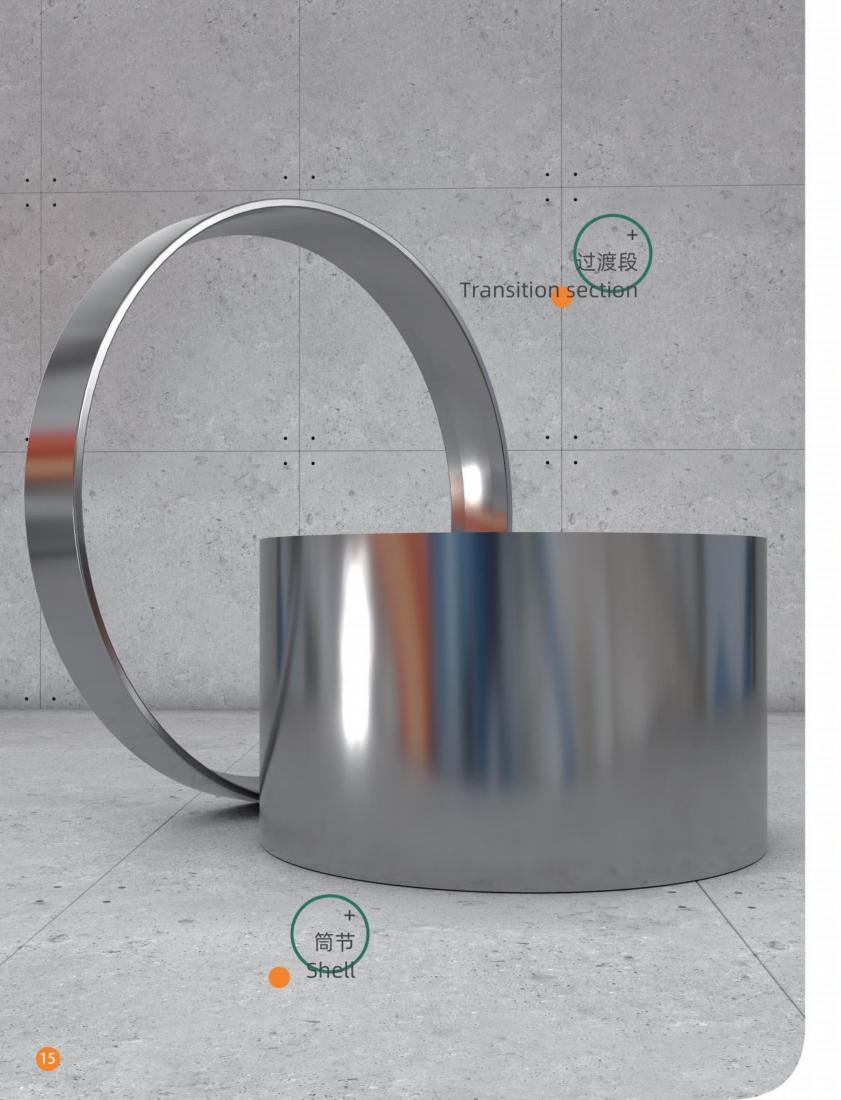
中石油

中石化

兰石重工

山西阳煤

LOINTEK, S.L.

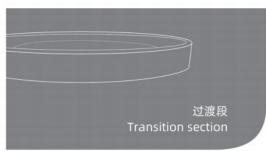














### SHELL

OUTER DIAMETER/ INNER DIAMETER/HEIGHT: 6000/5000/3000 mm

#### TRANSITION SECTION

OUTSIDE DIAMETER/ INSIDE DIAMETER/HEIGHT: 9962/9482/1050 mm

#### 筒节

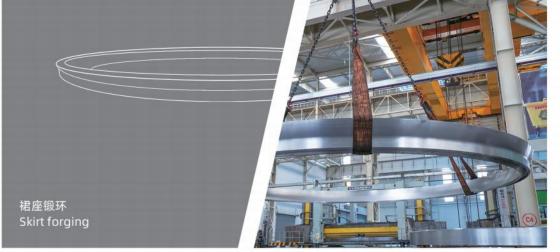
外径/内径/高度: 6000/5000/3000 mm

#### 过渡段

外径/内径/高度: 9962/9482/1050 mm

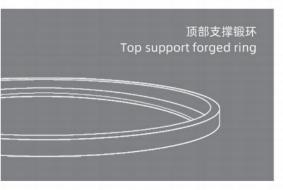














#### SKIRT FORGING

OUTSIDE DIAMETER/ INSIDE DIAMETER/HEIGHT: 7677/7059/430 mm

# TOP SUPPORT FORGED RING

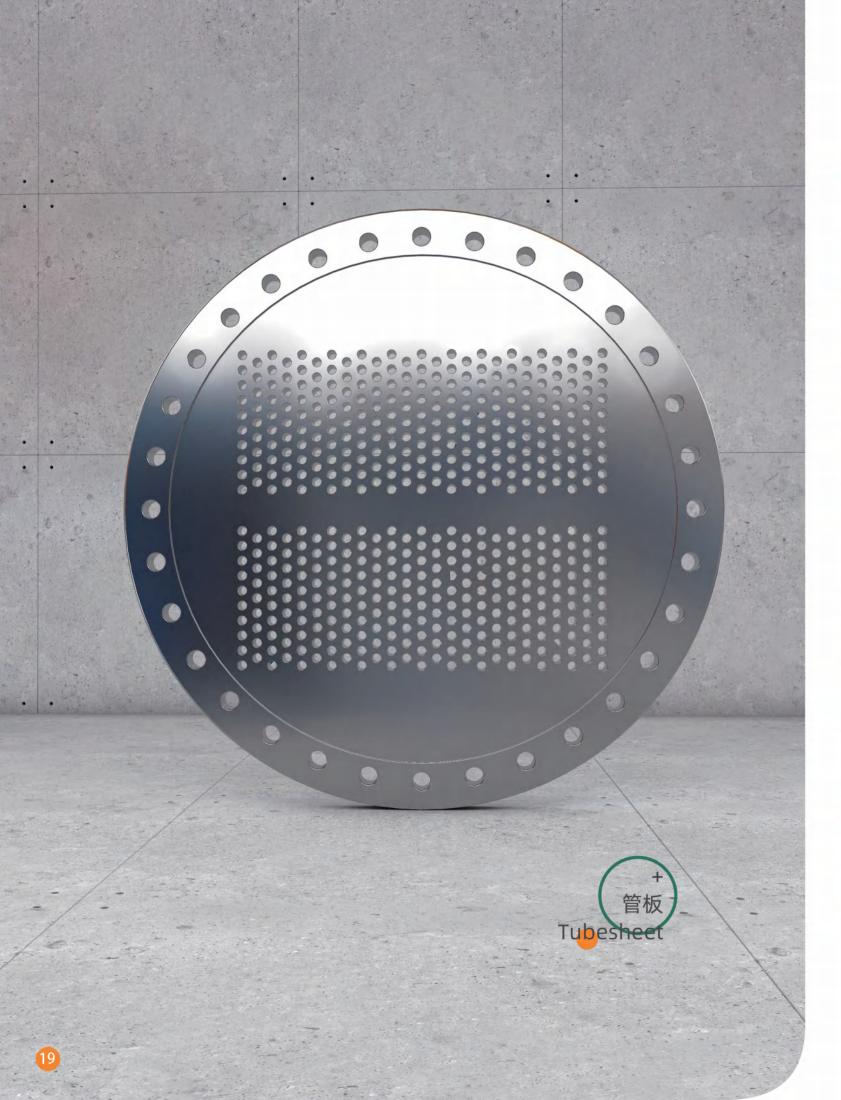
OUTSIDE DIAMETER/ INSIDE DIAMETER/HEIGHT: 6879/6379/222 mm

#### 裙座锻环

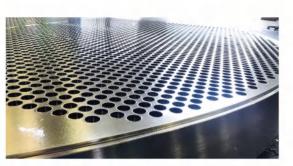
外径/内径/高度: 7677/7059/430 mm

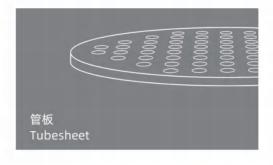
#### 顶部支撑锻环

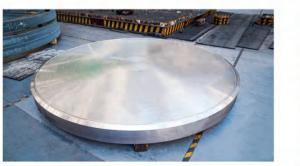
外径/内径/高度: 6879/6379/222 mm











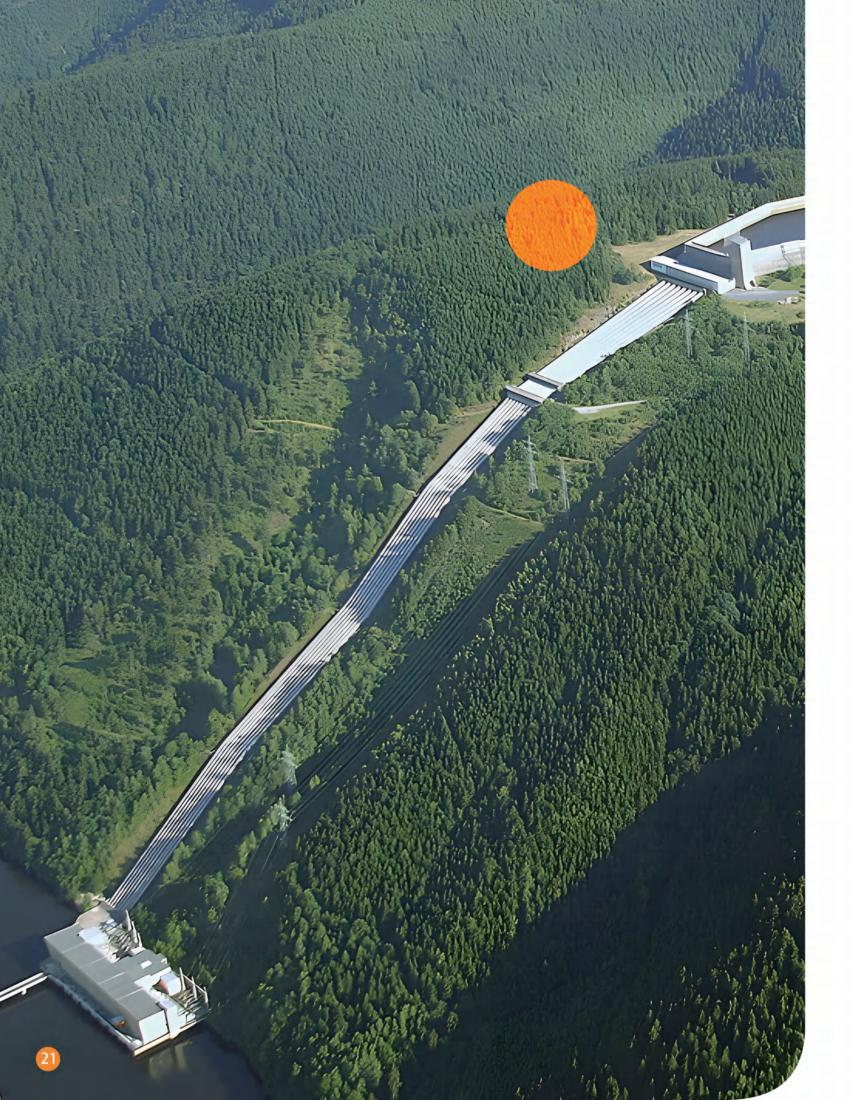


TUBESHEET

OUTSIDE DIAMETER/HEIGHT: 4400/210 mm

管板

外径/高度: 4400/210 mm



# orgings of Hydroelectricity and pumped-storage power station

水电与抽水蓄能用锻件

## Selected cases and clients:

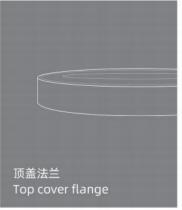
Fengning Pumped-storage project
Huanggou Pumped-storage project
Yangjiang Pumped-storage project
Wudongde Hydropower Station

# 部分案例及客户:

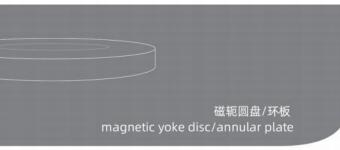
丰宁抽水蓄能项目 荒沟抽水蓄能项目 阳江抽水蓄能项目 乌东德水电站项目













#### **TOP COVER FLANGE**

OUTSIDE DIAMETER/ INSIDE DIAMETER/HEIGHT: 6950/5700/410 mm

#### MAGNETIC YOKE DISC/ ANNULAR PLATE

OUTSIDE DIAMETER/ INSIDE DIAMETER/HEIGHT: 4695/3340/300 mm

#### 顶盖法兰

外径/内径/高度: 6950/5700/410 mm

#### 磁轭圆盘/环板

外径/内径/高度: 4695/3340/300 mm















# orgings of Engineering machinery and Mining Metallurgical Machinery

工程机械及矿山冶金机械锻件

## Selected cases and clients:

ThyssenKrupp

Jiangsu Pengfei Group

Chaoyang Heavy Machinery

Sinoma Technical Service

China National Building Materials Group

CEMEX

# 部分案例及客户:

蒂森克虏伯

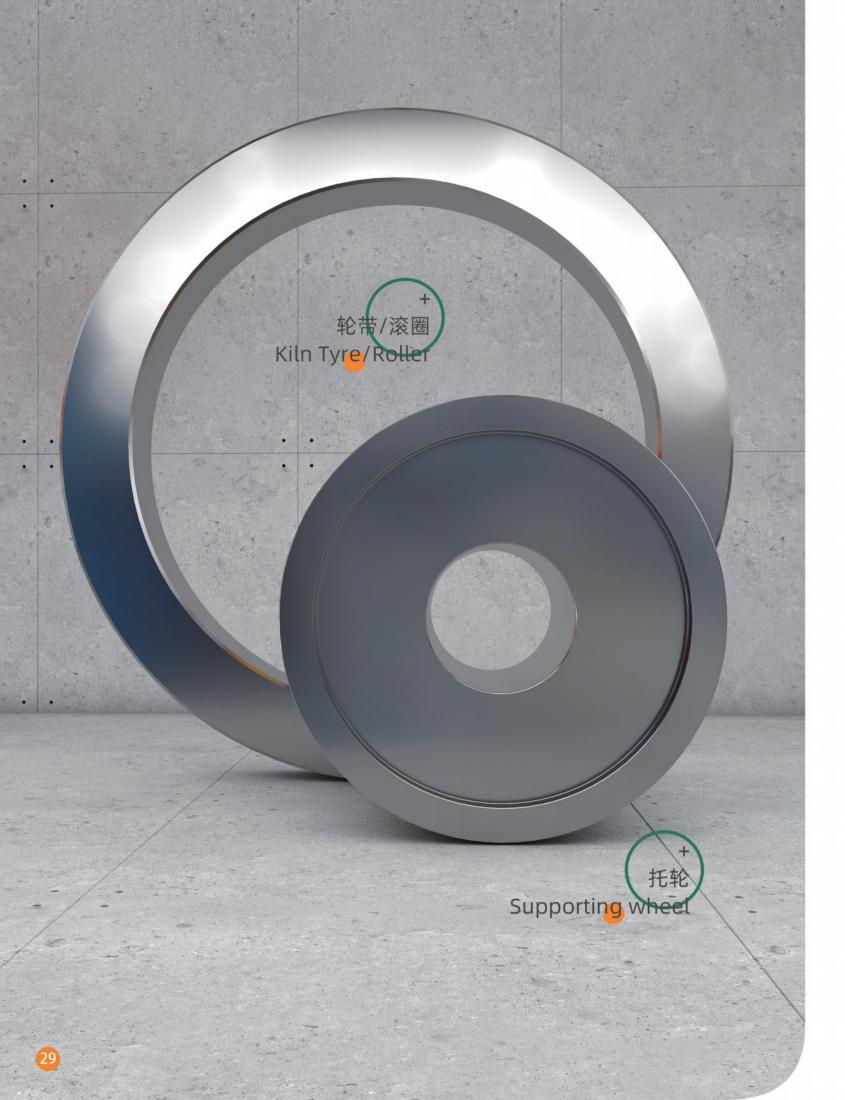
江苏鹏飞

朝阳重型

中材机电备件有限公司

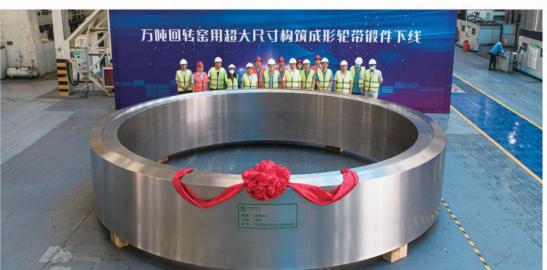
中国建材集团

西麦斯



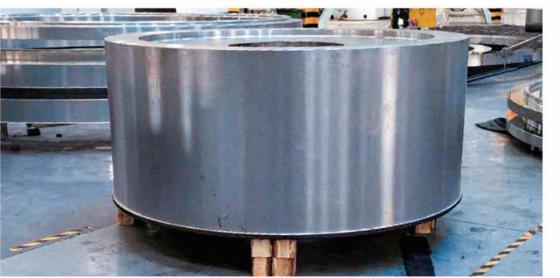












#### KILN TYRE/ROLLER

OUTSIDE DIAMETER/ INSIDE DIAMETER/HEIGHT: 8170/6712/1069 mm

#### SUPPORTING WHEEL

OUTSIDE DIAMETER/
INSIDE DIAMETER/HEIGHT:
2508/842/1158 mm

#### 轮带/滚圈

外径/内径/高度: 8170/6712/1069 mm

#### 托轮

外径/内径/高度: 2508/842/1158 mm









#### **CUTTER FLANGE**

OUTSIDE DIAMETER/ INSIDE DIAMETER/HEIGHT: 2910/1990/155 mm

#### **DRIVING DISC FLANGE**

OUTSIDE DIAMETER/ INSIDE DIAMETER/HEIGHT: 6601/3258/220 mm

#### 刀盘法兰

外径/内径/高度: 2910/1990/155 mm

#### 驱动法兰

外径/内径/高度: 6601/3258/220 mm



# orgings of Marine engineering equipment and offshore wind power

海工装备及海上风电锻件

## Selected cases and clients:

Guangdong Jingyin 3500KJ super large hydraulic pile hammer UK EA1 project

Fujian Pinghai Bay project

Borssele project in Netherlands

# 部分案例及客户:

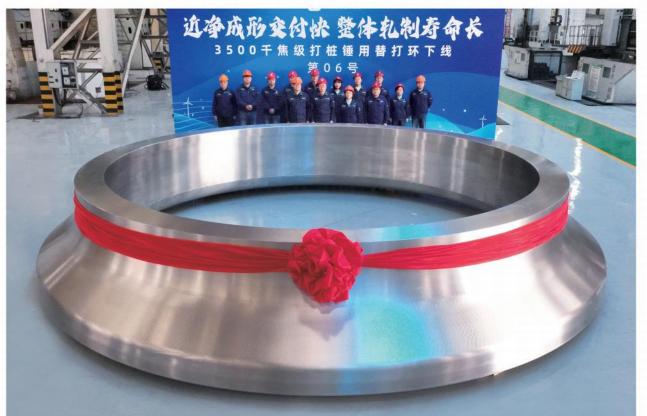
广东精铟3500KJ超大型液压打桩锤

英国EA1项目

福建平海湾项目

荷兰Borssele项目











# INSIDE DIAMETER/HEIGHT: 7530/6670/785 mm

OUTSIDE DIAMETER/

ANVIL RING

#### 替打环

外径/内径/高度: 7580/5800/1200 mm

#### 送桩器锻件

外径/内径/高度: 7530/6670/785 mm











#### WIND TOWER FLANGE

OUTSIDE DIAMETER≤16m

#### **GEAR RING**

OUTSIDE DIAMETER/ INSIDE DIAMETER/HEIGHT: 5794/5480/203 mm

#### 风电法兰

外径≤16m

#### 齿圈

外径/内径/高度: 5794/5480/203 mm

# ontrollable Reliable Traceable

可控·可靠·可追溯

品质保障/QUALITY ASSURANCE







the stock ground is fixed management, and the aw materials can enter the site after double inpection (customer demand standard, interna control standard)

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。



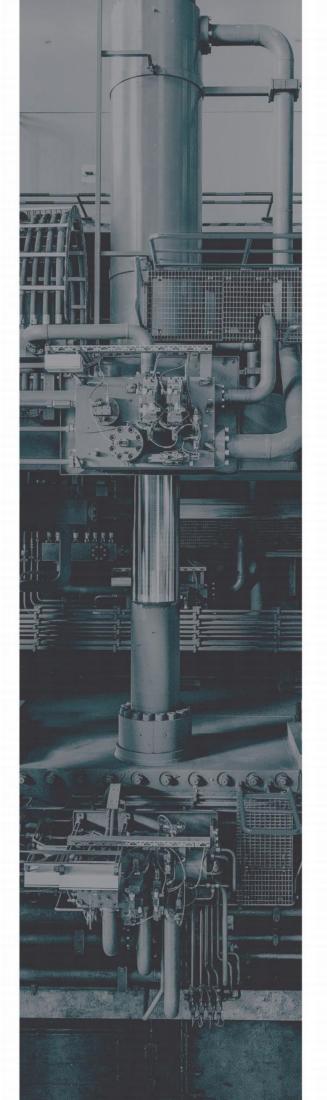








- High-level precision control: German Bosch Rexroth hydraulic system,
   Siemens electronic control system
- Great operational capability: Max. pressure: 13500 t, total height: 18.5 m, Travel of movable beam: 3.5 m, clearance: 7 m, width of movable table: 5 m, stroke: 10 m.
- 高精度控制:德国力士乐液压系统、西门子电控系统
- 强作业能力:最大压力13500吨,总高度18.5米,活动横梁行程3.5米、净空







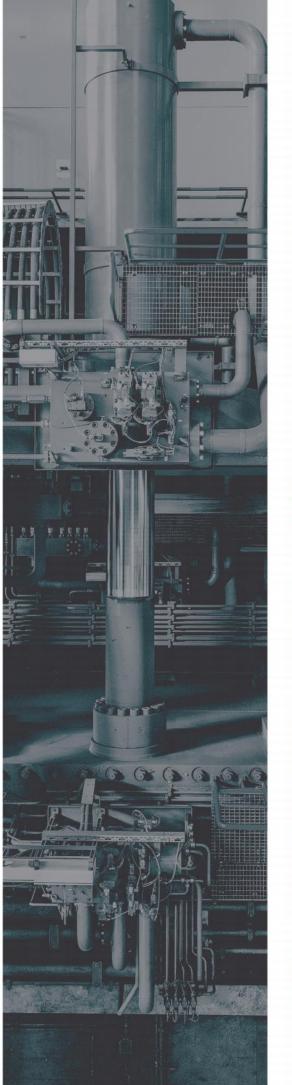


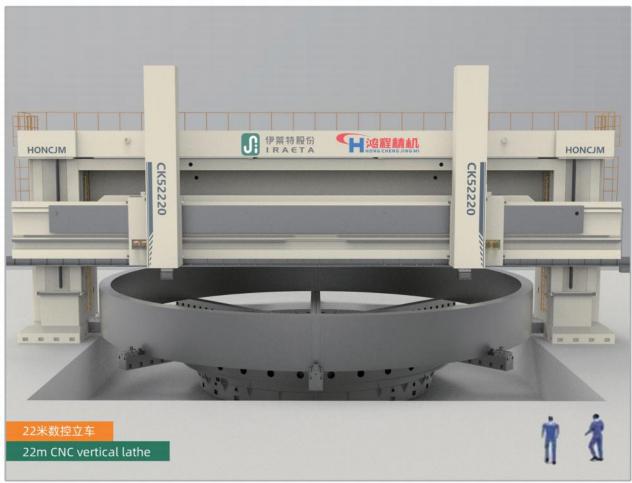
- Max. rolling diameter: 16 m, max. height: 3 m
- Max. rolling unit weight: 200 t
- Max. radial rolling force: 2500 t, max. axial rolling force: 1250 t
- Custom made by SMS Group, Germany
- 最大轧制直径16米、高度3米
- 最大轧制单重200吨
- 最大径向轧制力2500吨、轴向轧制力1250吨
- 德国西马克集团特别定制

# 在建项目 projects under construction



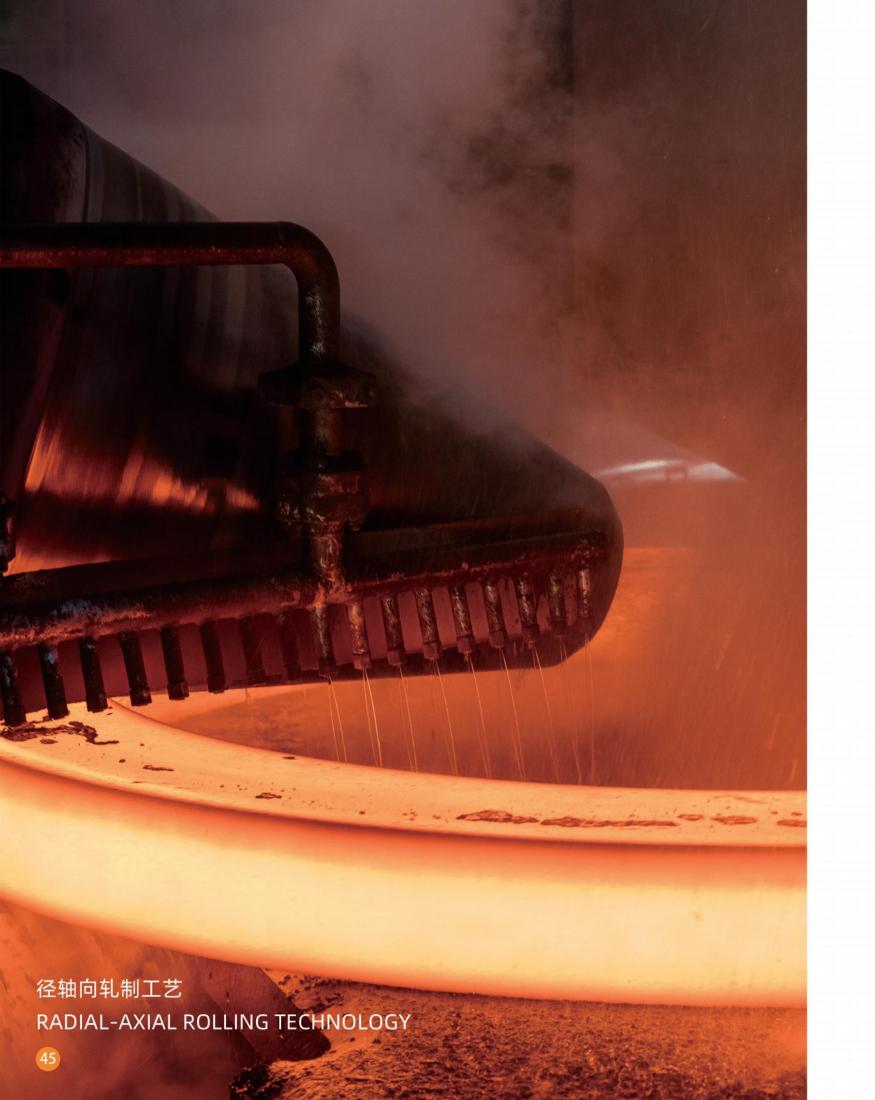


















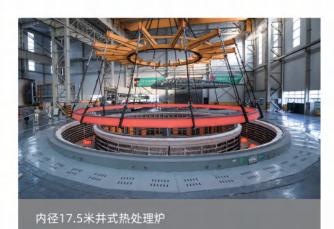




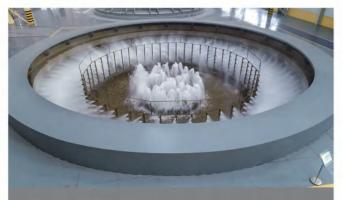
Regularly testing of furnace temperature uniformity, equipment accuracy, etc., ensures strict control over heating, holding and cooling procedures of the heat treatment

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。





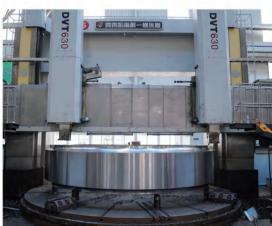
ID17.5 m bore type heat treatment furnace



直径19米热处理水槽 DIA19 m heat treatment hav















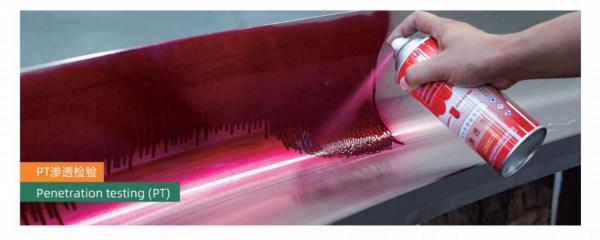


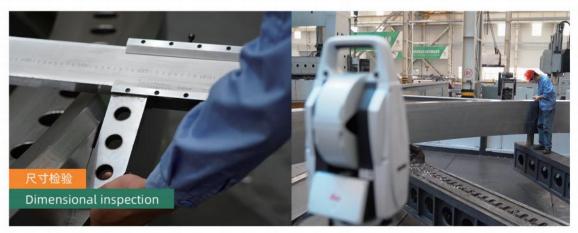




















'Forge Ahead 锻造未来 永不止步

# ooperation 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,深耕稀土钢研发与金属构筑成形技术,专攻特殊原材料定制。 稀土钢研发通过精准调控稀土元素, 显著增强材料耐腐、 强韧等性能; 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蚀体系,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。



in the field of metal materials, we are deeply engaged in the research forming technology, and specialize in the customization of special connection of dissimilar metals, to adapt to the needs of large-scale equipment and cost reduction. These technologies have been used in



a variety of fields: providing radiation resistance for nuclear power equipment, extending the life of hydroelectric blades, helping wind turbines resist extreme weather, building anti-corrosion systems for offshore platforms, and meeting the requirements of high-end refining and chemical plants. We are committed to















































































































































































**□** XCMG

徐工集团





SFE



国机集团



Iointek





Sif OFFSHORE











# 售前/Pre-sales



技术沟通

echnical Communication





定制方案 Customized solution





商务合作 Business cooperation



# 售中/In-sales



跟踪每个生产环节

Tracking each production process



02

与客户保持密切沟通

keeping close communication with clients





及时反馈产品进度

Timely feedback on the progress of products



# 售后/Post-sales



交付后持续关注

Ongoing attention after delivery





收集产品工作信息 Collect product work information





内部讨论,优化方案,以便下次提供更好的产品

Internal discussions, solution optimization, In order to provide better products next time

