

STEEL PIPE MANUFACTURING CATALOGUE

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Steel Pipe

Established In 2014.It is a collection of steel pipe manufacturing, steel pipe supporting anti-corrosion insulation,Whole industry chain new energy-saving pipeline manufacturing enterprises

Products

- Double-sided submerged arc welded steel pipe
- Special roller tube
- Square and rectangular welded pipe
- Spiral welded pipe
- Insulated pipe
- Corrosion-proof pipe

Production

- High frequency welding pipe production line with electronic control automation
- JCO large straight seam submerged arc welding pipe production line
- Double submerged arc welding spiral production line
- Supporting insulation pipe production line
- Inner epoxy spray outer 3PE anti-corrosion production line

钢管

成立于二〇一四年

是一家集钢管制造、钢管配套防腐保温一体的全产业链新型节能管道制造企业

产品

- 双面埋弧焊钢管
- 专用托辊管
- 方矩形焊管
- 螺旋焊管
- 保温管
- 防腐管

生产线

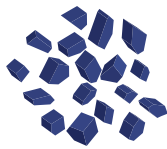
- 实现电控自动化的高频焊管生产线
- JCO 大直缝埋弧焊管生产线
- 双面埋弧焊螺旋生产线
- 配套保温管生产线
- 内环氧喷涂外 3PE 防腐生产线

Since the establishment of our company, we have been adhering to the quality concept of "high standard, fine and zero defect".Not boutique is not stored, not boutique is not delivered

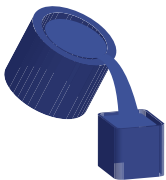
Group has a high quality hot-rolled coil production capacity of 7 million tons/year and a wide plate production capacity of 15 million tons/year.

With China's top forging equipment enterprises, Tianshui Forging Group, Huangshi Forging Group, too far Heavy Industry Group to build.The world's advanced multi-piece arch type 15,000 tons pressure forming machine fills China's large-caliber ultra-wall thickness ultra-long submerged arc welding steel pipe production line.

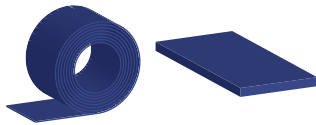
Full process steel pipe manufacturing enterprises, from ore to ironmaking, steelmaking, from billet to hot rolled sheet,Each process ingenuity quality, carefully create each steel pipe.



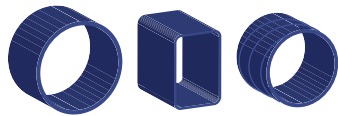
矿石
Ore



炼铁、炼钢
Jingye Ironmaking And Steelmaking



热轧卷板、宽厚板
Hot Rolled Coil And Wide Thick Plate



钢管
Jingye Steel Pipe

我公司成立伊始就秉承“高标准、精细化、零缺陷”的质量理念，
不是精品不入库，不是精品不出厂。

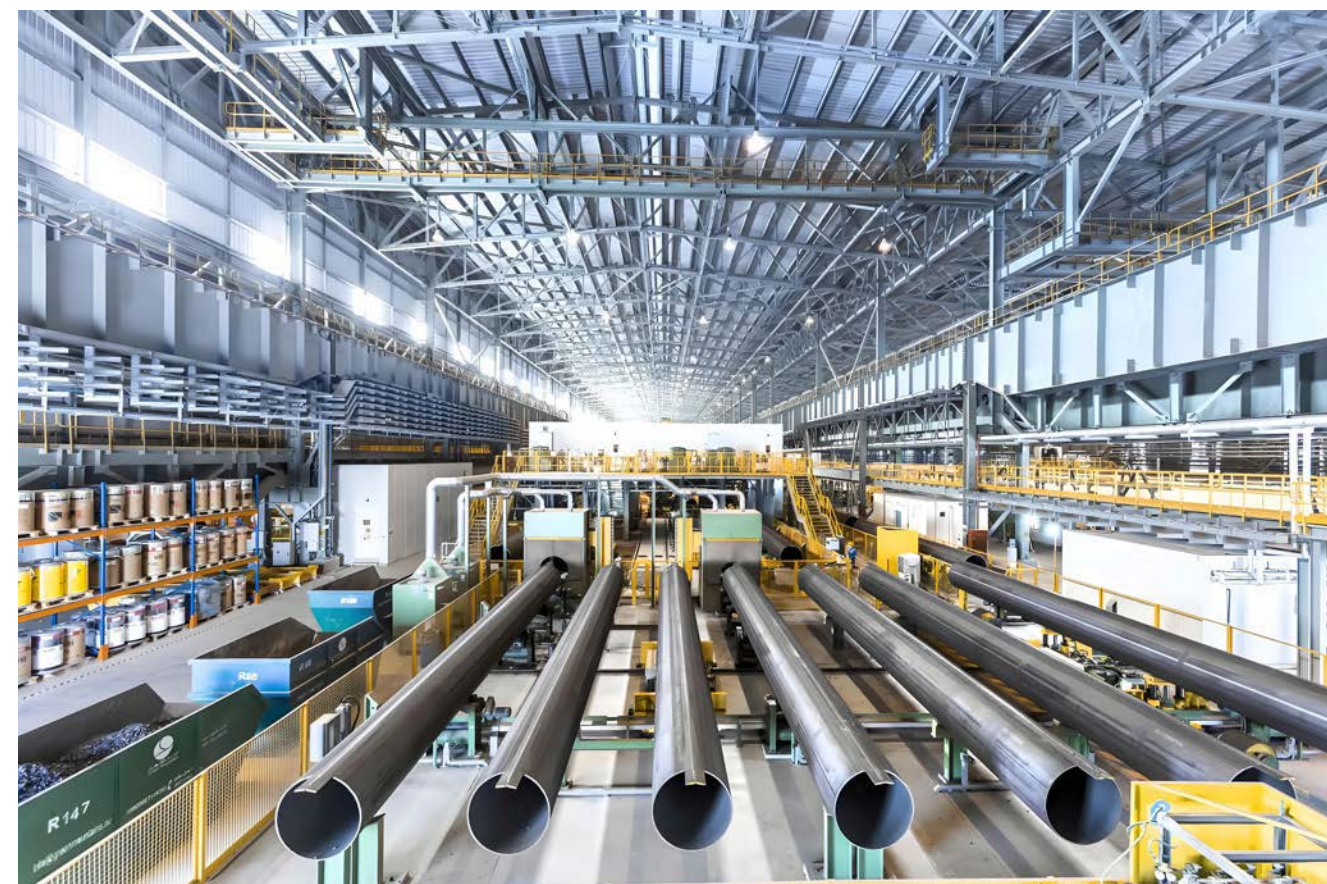
集团拥有优质热轧卷板产能 700 万吨 / 年，宽厚板产能 1500 万吨 / 年。

与中国顶级锻压设备企业，天水锻压集团、黄石锻压集团、太远重工集团共同打造
世界先进多片牌坊式 15000 吨压力成型机，填补中国大口径超壁厚超长埋弧焊钢管生产线空白。

全流程钢管制造企业，从矿石到炼铁、炼钢，从钢坯到热轧板材，
每一道工序匠心品质，精心打造每一支钢管。

生产

Production

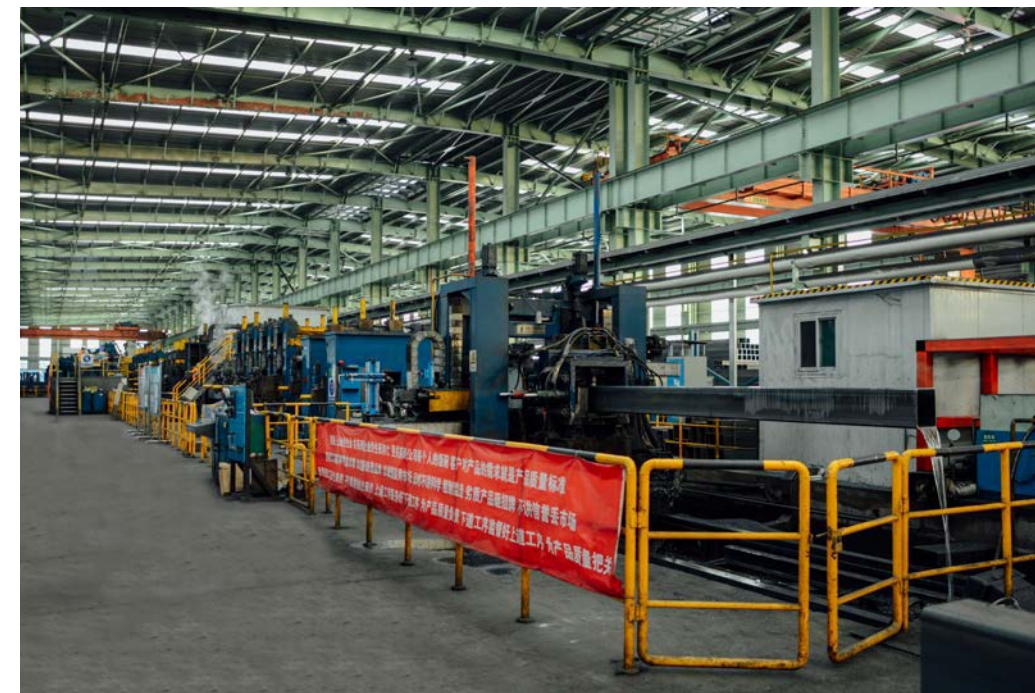


	Production Equipment List/Unit Type	Equipment Features
01	Square Pipe Production line F250 Unit/F400 Unit	- Production: F120mm-F400mmm square rectangular tube - Wall thickness range: 4.5mm-16mm - Direct formulation process - One key transformation process - Full servo control roll adjusting system
02	Straight Seam Pipe Production Line HG50/HG76/HG127/HG165	- Production diameter: Φ 48mm-165mm - Wall thickness 3.0-6.0, straightness within 0.4mm/m, outer diameter accuracy: 0.30mm-0.40mm - Two sets of quick change platform, short production cycle, high product accuracy, good stability - The latest solid-state high frequency energy saving and consumption reduction welding performance is good - Dual station port online processing to meet customer needs - Online eddy current inspection, offline water pressure test, pipe diameter runout detection - Ellipticity within 0.2mm, yaw hop within 0.4mm, the product is mainly used for roller manufacturing
03	JCO Large Straight Seam Submerged Arc Welding Pipe Production Line	The molding machine pressure of 15,000 tons is the most advanced multi-piece arch structure at present - In China for the first time to achieve the production of length 13000mm* thickness 120mm double-sided submerged arc welding pipe - The main equipment of large straight seam welded pipe production line is milling machine, pre-bending machine, forming machine, pre-welding machine, hydraulic press, expanding machine, flaw detection equipment, etc., all adopt the international first-class design and manufacturing technology - The equipment is stable and reliable, and the molding precision is high - The whole line realizes PID automatic control and online nondestructive testing automatic control - From the raw materials into the unit, to the inspection, spray mark completion, all realize automation and intelligence - Digital Lincoln welder imported from the United States
04	Large Diameter And Thick Square Tube Production Line	The molding machine pressure of 8000 tons is the most advanced multi-piece archway structure - Maximum production of 1000*1000mm square tube, 400*1200mm rectangular tube, thickness of 60mm, length of 12000mm square tube products; - According to customer design requirements or product standards to achieve single weld, double weld square tube product production; To solve the domestic demand for large diameter ultra-thick wall submerged arc welding square rectangular pipe - Digital Lincoln welder imported from the United States
05	Spiral Pipe Production Line 630 Unit/820 Unit/1420 Unit/2235 Unit	- Spiral seam double-sided submerged arc welding technology - Automatic tracking system for internal and external welding seams - Digital Lincoln welder imported from the United States - Butt submerged arc automatic welding machine - Expanding mill - Equipped with 2500t hydrostatic testing machine X-ray testing equipment 64 channel ultrasonic continuous inspection equipment 32 channels ultrasonic continuous inspection equipment
06	Multifunctional Double Gun Continuous Spray Winding Production Line 700-1820 Unit	- Spiral steel pipe spraying wound insulation - Spray wound insulation of ductile iron - Continuous production process (save raw materials, high production efficiency) - DN700mm-1800mm spiral welded pipe - DN500mm-1800mm ductile iron socket pipe
07	Inner Epoxy Spray Outer 3PE Anti-Corrosion Production Line 159-630 Unit/630-3220 Unit	- Inner and outer wall FBE spraying/outer wall 3PE winding production line - An automatic production line integrating anti-corrosion treatment of the inner and outer walls of steel pipes - Advanced coating and winding technology - A FBE anti-corrosion layer and a 3PE anti-corrosion layer are formed on the inner wall and outer wall of the steel pipe respectively - The internal and external walls of DN150mm-DN600mm steel pipes can be anticorrosive processed - DN600mm-DN3200mm steel pipe can be anticorrosive processing

	机组型号	设备特点
01	方管生产线 F250 机组 F400 机组	- 生产: F120mm-F400mmm 方矩管 - 壁厚范围: 4.5mm-16mm - 直接成方工艺 - 一键换型工艺 - 全伺服控制调辊系统
02	直缝管生产线 HG50/HG76/HG127 HG165	- 生产直径: Φ 48mm-165mm - 壁厚 3.0-6.0, 直线度 0.4mm/m 以内, 外径精度: 0.30mm-0.40mm - 两套快换平台, 生产周期短, 产品精度高, 稳定性好 - 最新固态高频节能降耗焊接性能好 - 双工位端口在线处理, 满足客户需求 - 在线涡流探伤, 线下水压实验, 管径跳动检测 - 椭圆度在 0.2mm 以内, 偏摆跳量 0.4mm 以内, 产品主要用于托辊制造
03	JCO 大直缝埋弧焊钢管生产线	成型机压力 15000 吨是当前最为先进的多片牌坊式结构 - 在国内首次实现生产长度 13000mm* 厚度 120mm 的双面埋弧焊管 - 大直缝焊管生产线主要设备铣边机、预弯机、成型机、预焊机、水压机、扩径机、探伤设备等均采用国际一流的设计制造技术 - 设备稳定可靠、成型精度高 - 全线实现 PID 自动化控制和在线无损检测自动化控制 - 从原料进入机组, 到检验、喷标完毕, 全部实现自动化、智能化 - 美国进口的数字化林肯焊机
04	大口径超厚度方矩管生产线	成型机压力 8000 吨是当前最为先进的多片牌坊式结构 - 最大能够生产 1000*1000mm 方管、400*1200mm 矩形管, 厚度 60mm、长度 12000mm 的方矩管产品; - 可根据客户设计需求或产品标准实现单焊缝、双焊缝方矩管产品生产; 解决国内对大口径超厚壁埋弧焊方矩管需求 - 美国进口的数字化林肯焊机
05	螺旋管生产线 630 机组 820 机组 1420 机组 2235 机组	- 螺旋缝双面埋弧焊焊接工艺, - 内外焊焊缝自动跟踪系统 - 美国进口的数字化林肯焊机 - 对头埋弧自动焊机 - 扩径机 - 配有 2500t 静水压试验机 X 射线检测设备 64 通道超声波连续探伤设备 32 通道超声波连续探伤设备
06	多功能双枪式连续喷涂缠绕生产线 700-1820 机组	- 螺旋钢管喷涂缠绕保温 - 球墨铸铁喷涂缠绕保温 - 采用连续式生产工艺 (节省原材料, 生产效率高) - DN700mm-1800mm 螺旋焊管 - DN500mm-1800mm 球墨铸铁承插口管
07	内环氧喷涂外 3PE 防腐生产线 159-630 机组 630-3220 机组	- 内外壁 FBE 喷涂 / 外壁 3PE 缠绕生产线 - 集钢管内外壁防腐处理于一体的自动化生产线 - 先进的喷涂和缠绕技术 - 在钢管的内壁和外壁分别形成 FBE 防腐层和 3PE 防腐层 - 可对 DN150mm-DN600mm 钢管内外壁进行防腐加工 - 可对 DN600mm-DN3200mm 钢管内外壁进行防腐加工

直缝管生产线_F400 机组
直接成方工艺 / 一键换型工艺 / 全伺服控制调辊系统

Straight seam pipe production line_F400 Nnit
Direct forming process/One key changing process/full servo control roll adjusting system



螺旋管生产线_2235 机组
采用螺旋缝双面埋弧焊焊接工艺, 拥有先进的内外焊焊缝自动跟踪系统

Spiral tube production line_2235 Nnit
Adopt spiral seam double-sided submerged arc welding process, with advanced internal and external welding seam automatic tracking system



JCO 大直缝埋弧焊钢管生产线
成型机压力 15000 吨是当前最为先进的多牌坊式结构

JCO large straight seam submerged arc welding pipe production line
The molding machine pressure of 15,000 tons is the most advanced multi-piece arch structure at present



大口径超厚度方矩管生产线
成型机压力 8000 吨是当前最为先进的多牌坊式结构

Large diameter and thick square tube production line
The molding machine pressure of 8000 tons is the most advanced multi-piece archway structure



多功能双枪式连续喷涂缠绕生产线
采用连续式生产工艺 (节省原材料, 生产效率高)

Multifunctional double gun continuous spray winding production line
Continuous production process (save raw materials, high production efficiency)



01

X射线检测

X-ray detection



02

超声波连续探伤

Continuous Ultrasonic Inspection



03

水压试验

Water Pressure Test



我公司拥有完善的质量管理体系和先进的检测设备, 实验室通过了中国国家实验室能力认可 (CNAS), 对钢化学成分及物理性能 (拉伸、冲击、弯曲、硬度、落锤、金相) 等试样进行检测, 确保产出优质产品。

Our company has a sound quality management system and advanced testing equipment, the laboratory has passed the China National Laboratory Competence Accreditation (CNAS), tempering components and physical properties (tensile, impact, bending, hardness, drop hammer, metallography) and other samples for testing to ensure the output of quality products.

设备 /Equipment	型号 /Equipment Type	功能 /Equipment Function
01X射线检测	XYD-225	- 检测焊缝缺陷: X 射线检测通过 X 射线穿透钢管, 利用 X 射线的衰减特性来检测焊缝中的缺陷, 如裂纹、夹渣、未熔合等。 - 确保产品质量: 通过 100% 检测覆盖率, 确保每一根钢管都经过严格的质量控制。 - 自动化检测 现代 X 射线检测设备配备自动化识别软件,可以自动判断缺陷位置和大小,减少人工误判。
02超声波连续探伤	长风VI型 16 通道	- 超声波连续探伤的原理利用超声波的穿透性和反射特性, 当超声波遇到管道内部的缺陷时, 会发生反射和散射, 这些反射信号被探头接收并转化为电信号, 通过对这些信号的分析 and 处理, 可以确定缺陷的位置、大小和形状。 - 超声波连续探伤具有探测距离大、检测速度快、设备便携等优点, 特别适用于对管道进行无损检测。
03水压试验	φ426mm-φ3220mm	- 确保管道的强度和密封性, 从而保障工程项目的安全性和耐久性。 - 可检测管道在高压下的性能, 确保其在实际使用中的可靠性。
01X-ray detection XYD-225		- Detection of weld defects: X-ray inspection penetrates the steel pipe with X-rays and uses the attenuation characteristics of X-rays to detect defects in the weld, such as cracks, slag inclusion, non-fusion, etc. - Ensure product quality: Through 100% inspection coverage, ensure that every steel pipe has undergone strict quality control. - Automatic inspection : Modern X-ray inspection equipment is equipped with automatic identification software, which can automatically determine the location and size of defects, reducing manual misjudgment.
02Continuous Ultrasonic Inspection Changfeng VI 16 channels		- The principle of ultrasonic continuous inspection uses the penetration and reflection characteristics of ultrasonic waves, when the ultrasonic waves encounter defects in the pipeline, reflection and scattering will occur, these reflected signals are received by the probe and converted into electrical signals, through the analysis and processing of these signals, you can determine the location, size and shape of the defect. - Ultrasonic continuous inspection has the advantages of large detection distance, fast detection speed and portable equipment, which is especially suitable for nondestructive testing of pipelines.
03Water Pressure Test φ426mm-φ3220mm		- Ensure the strength and tightness of the pipeline to ensure the safety and durability of the project. - It can test the performance of the pipeline under high pressure to ensure its reliability in actual use.

01

微机控制摆锤式冲击试验机

Microcomputer controlled pendulum impact testing machine



02

弯曲试验机

Bending Testing Machine



04

金相检验

Metallographic Examination



03

拉力试验机

Tensile testing machine



05

冲击试样缺口投影仪

Impact Test Specimen Gap Projector



公司拥有完善的质量管理体系和先进的检测设备, 实验室通过了中国国家实验室能力认可 (CNAS), 对钢化学成分及物理性能 (拉伸、冲击、弯曲、硬度、落锤、金相) 等试样进行检测, 确保产出优质产品。

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设备 /Equipment	型号 /Equipment Type	功能 /Equipment Function
01 微机控制摆锤式冲击试验机	JBW-750C	适用于金属材料、非金属材料在动负荷下抵抗冲击的性能测试, 包括塑料薄膜、薄片、复合膜、金属箔片等材料的抗摆锤冲击性能的精确测定
02 弯曲试验机	WAW-1000B	- 进行拉伸、压缩、弯曲等多种在伺服控制条件下精确试验, 能够满足不同材料的力学性能测试需求。 - 可按照设定加载方式完成多种波形的低周循环测试, 适用于复杂的力学性能测试。
03 拉力试验机	MT84-1060	- 主要对各种金属材料进行常温下的三点弯曲力学性能试验。 - 具有技术成熟、先进、可靠的特点, 可达到国际先进水平。
04 金相检验	Axiocam 208 color	- 自动调整功能, 能够确保色彩和对比度的良好再现性。 - 所有元数据 (包括缩放) 都会自动与图像一起存储, 保证了图像数据的完整性和可追溯性。 - 可轻松进行数码显微成像, 获得清晰真实的彩色图像。
05 冲击试样缺口投影仪	CST-50	- 利用光学投影方法将被测的冲击试样 V 或 U 型缺口轮廓放大投射到投影屏上, 与投影屏上的标准样板图进行比对, 以确定被检测的冲击试样缺口加工是否合格。 - 其精度、效率高, 成为检测冲击试样缺口质量的重要工具, 广泛应用于金属材料的冲击试验中, 确保材料的质量和安全性能符合标准要求。
01 Microcomputer controlled pendulum impact testing machine JBW-750C		Suitable for metal materials, non-metal materials under dynamic load impact resistance performance test, including plastic film, thin sheet, composite film, metal foil and other materials accurate determination of pendulum impact performance
02 Bending Testing Machine WAW-1000B		- Tensile, compression, bending and other accurate test under servo control conditions, can meet the mechanical properties of different materials testing needs. - Low cycle test of various waveforms can be completed according to the set loading mode, which is suitable for complex mechanical properties test.
03 Tensile testing machine MT84-1060		- The three point bending mechanical properties of various metal materials are tested at normal temperature. - It has the characteristics of mature technology, advanced and reliable, and can reach the international advanced level.
04 Metallographic Examination Axiocam 208 color		- The automatic adjustment function ensures good reproducibility of color and contrast. - All metadata, including scaling, is automatically stored with the image, ensuring the integrity and traceability of the image data. - Digital microscopic imaging can be easily performed to obtain clear and true color images.
05 Impact Test Specimen Gap Projector CST-50		- By using the optical projection method, the V or U notch profile of the measured impact sample is amplified and projected onto the projection screen, and compared with the standard template drawing on the projection screen to determine whether the notch processing of the tested impact sample is qualified. - Its accuracy and efficiency are high, and it has become an important tool for detecting the notch quality of impact samples, which is widely used in the impact test of metal materials to ensure that the quality and safety performance of materials meet the standard requirements.

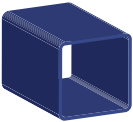
产品

Products





高频焊方矩管
High Frequency Welded Square Tube

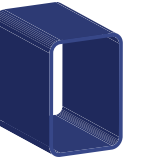


01	应用场景 Application Scenario	▪ 航站楼 ▪ 高铁站 ▪ 高层建筑幕墙 ▪ 大型结构工程 ▪ 汽车 ▪ 电梯 ▪ 工程机械 ▪ 船舶 ▪ 桥梁建筑 ▪ 航空航天发射塔架 ◦ Terminal ◦ High-speed rail station ◦ High-rise building curtain wall ◦ Large-scale structural engineering ◦ CARS ◦ elevator ◦ Construction machinery ◦ boats ◦ Bridge construction ◦ Aerospace launch tower																																																																																
02	产品特点 Product Features	◦ 高频直缝方矩管机组采用世界先进的直接成方工艺，在变形区域轧辊与带钢局部接触，减少带钢和轧辊摩擦，机组能耗、轧辊损耗降低，该工艺可节省带钢 4% ◦ 采用全数字化伺服电机控制的轧辊调整系统，能达到一键换辊的功效，实现不同规格快速切换，大大节省换辊时间，换型时间控制在 30 分钟以内 ◦ 具有多品种、小批量、高精度、交货期短的特点 ◦ 高精度在线涡流探伤设备实时监测 R 角变形缺陷及焊缝焊接质量。 ◦ 公司所有产品可按照国标 GB/T6728-2017，日标 JIS，德标 DIN 进行生产。 ◦ 方矩管产品可实现屈服强度从 235-1200MP 钢材加工制造 ▪ The high frequency straight slit square tube unit adopts the world's advanced direct square forming process, and the roll is in local contact with the strip steel in the deformation area. ▪ The friction between strip and roll is reduced, the energy consumption and roll loss of the unit are reduced, and the process can save 4% strip steel ▪ The roll adjustment system controlled by digital servo motor can achieve the effect of one-click roll change, realize the rapid switching of different specifications, greatly save the roll change time, and the change time is controlled within 30 minutes ▪ It has the characteristics of multiple varieties, small batch, high precision and short delivery time ▪ High-precision on-line eddy current inspection equipment monitors R-angle deformation defects and weld quality in real time. ▪ All products of the company can be produced in accordance with the national standard GB/T6728-2017, Japanese standard JIS, German standard DIN. ▪ Rectangular tube products can achieve yield strength from 235-1200MP steel processing																																																																																
03	生产规格 Production Specification	<table><tr><td>材质 /Material</td><td colspan="4">▪ Q235/Q355/Q390/Q420</td></tr><tr><td>长度 /Length (mm)</td><td colspan="4">▪ 5500-18000</td></tr><tr><td>执行标准 /Enforce Standards</td><td colspan="4">▪ GB/T6728-2017 结构用冷弯空心型钢 /Cold-formed hollow steel for structure</td></tr><tr><td></td><td>规格 Specifications (mm)</td><td>壁厚 Thickness (mm)</td><td>规格 Specifications (mm)</td><td>壁厚 Thickness (mm)</td></tr><tr><td></td><td>100*200</td><td>4.5-8</td><td>220*220</td><td>4.75-16</td></tr><tr><td></td><td>120*120</td><td>4.5-8</td><td>250*250</td><td>4.75-16</td></tr><tr><td></td><td>130*130</td><td>4.5-8</td><td>250*300</td><td>5.5-16</td></tr><tr><td></td><td>150*150</td><td>4.5-10</td><td>250*350</td><td>7.5-16</td></tr><tr><td></td><td>150*200</td><td>4.5-10</td><td>250*400</td><td>7.5-16</td></tr><tr><td></td><td>150*250</td><td>4.5-10</td><td>250*500</td><td>9.5-16</td></tr><tr><td></td><td>160*160</td><td>4.5-10</td><td>300*300</td><td>7.5-16</td></tr><tr><td></td><td>180*180</td><td>4.5-12</td><td>300*400</td><td>9.5-16</td></tr><tr><td></td><td>200*200</td><td>4.5-16</td><td>350*350</td><td>9.5-16</td></tr><tr><td></td><td>200*250</td><td>4.75-16</td><td>400*400</td><td>7.5-16</td></tr><tr><td></td><td>200*400</td><td>7.5-16</td><td>300*500</td><td>7.5-16</td></tr><tr><td></td><td>200*300</td><td>4.75-16</td><td></td><td></td></tr></table>	材质 /Material	▪ Q235/Q355/Q390/Q420				长度 /Length (mm)	▪ 5500-18000				执行标准 /Enforce Standards	▪ GB/T6728-2017 结构用冷弯空心型钢 /Cold-formed hollow steel for structure					规格 Specifications (mm)	壁厚 Thickness (mm)	规格 Specifications (mm)	壁厚 Thickness (mm)		100*200	4.5-8	220*220	4.75-16		120*120	4.5-8	250*250	4.75-16		130*130	4.5-8	250*300	5.5-16		150*150	4.5-10	250*350	7.5-16		150*200	4.5-10	250*400	7.5-16		150*250	4.5-10	250*500	9.5-16		160*160	4.5-10	300*300	7.5-16		180*180	4.5-12	300*400	9.5-16		200*200	4.5-16	350*350	9.5-16		200*250	4.75-16	400*400	7.5-16		200*400	7.5-16	300*500	7.5-16		200*300	4.75-16		
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03	备注 Note	* 产品规格可根据客户需求在以上截面范围内生产，满足非标管生产需求。 400 方机组可生产截面为最小面 200mm- 最大面 500mm 250 方机组可生产截面为最小面 100mm- 最大面 300mm *Product specifications can be produced in the above section range according to customer needs to meet the production needs of non-standard tubes. The 400-square unit can produce a cross-section of the minimum surface 200mm- the maximum surface 500mm The 250-square unit can produce a cross-section of the minimum surface 100mm- the maximum surface 300mm																																																																																



Large Diameter Extra-Thick Square Tube

8000 吨大口径方矩管生产线
8000 tons of large diameter square tube production line



01

应用场景

Application Scenario

▪ 海洋钻井平台

▪ 风电铁塔

▪ 桥梁

▪ 建筑

▪ 核电

▪ 钢结构

▪ 通信

▪ 交通运输

◦ Offshore drilling platform

◦ Wind power tower

◦ Bridge

◦ Building

◦ Nuclear power

◦ Steel structure

◦ Communication

◦ Transportation

02

产品特点

Product Features

◦ 成型机压力 8000 吨是当前最为先进的多片牌坊式结构

◦ 最大能够生产 1000*1000mm 方管、400*1200mm 矩形管, 厚度 60mm、长度 12000mm 的方管产品

◦ 可根据客户需求或产品标准实现单焊缝、双焊缝方管产品生产; 填补了国内对大口径超厚壁埋弧焊方管需求

▪ The molding machine pressure of 8000 tons is the most advanced multi-piece archway structure

▪ Maximum production of 1000*1000mm square tube, 400*1200mm rectangular tube, thickness of 60mm, length of 12000mm square tube products

▪ According to customer design requirements or product standards to achieve single weld, double weld square tube product production; Fill the domestic demand for large diameter ultra-thick wall submerged arc welding square rectangular pipe

03

生产规格

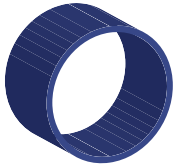
Production Specification

钢级 /Steel Grade	▪ Q235-Q690D+Z15、Z25、Z35 L245-X80			
长度 /Length (mm)	▪ 6000-12000			
方管生产规格 Square pipe production specifications	▪ 400*400mm-1000*1000mm			
圆管生产规格 Round pipe production specifications	▪ 300*500mm-400*1200mm; 最大厚度 (Maximum thickness) 60mm			
	规格 Specifications (mm)	壁厚 Thickness (mm)	规格 Specifications (mm)	壁厚 Thickness (mm)
	400*400	10-30	500*600	10-40
	500*500	10-40	600*700	10-40
	600*600	10-50	700*800	10-50
	700*700	10-50	700*900	10-50
	800*800	10-50	800*1000	10-50
	900*900	10-50	800*1100	10-50
	1000*1000	10-50	800*1200	10-50
	300*500	10-30	900*1000	10-50
	300*600	10-30	900*1100	10-50
	400*500	10-30		



JCO 大直缝埋弧焊钢管
JCO Large Straight Seam Submerged Arc Welded Steel Pipe

15000 吨 JCO 大直缝生产线
15000 tons JCO large straight seam production line



- 01

应用场景
Application Scenario

▪ 石油输送

▪ 站场建设

▪ 海洋钻井平台

▪ 风电铁塔

▪ 桥梁

▪ 建筑

▪ 核电

▪ 钢结构

▪ 交通运输

◦ Oil transportation

◦ Station and yard construction

◦ Offshore drilling platform

◦ Wind power tower

◦ Bridge

◦ Building

◦ Nuclear power

◦ Steel structure

◦ transportation

- 02

产品特点
Product Features

◦ 成型机压力 15000 吨是当前最为先进的多片牌坊式结构

◦ 在国内首次实现生产长度 13000mm* 厚度 120mm 的双面埋弧焊管

◦ 大直缝焊管生产线主要设备铣边机、预弯机、成型机、预焊机、水压机、扩径机、探伤设备等均采用国际一流的设计制造技术

◦ 设备稳定可靠、成型精度高

◦ 全线实现 PID 自动化控制和在线无损检测自动化控制

◦ 从原料进入机组，到检验、喷标完毕，全部实现自动化、智能化

▪ The molding machine pressure of 15,000 tons is the most advanced multi-piece arch structure at present

▪ In China for the first time to achieve the production of length 13000mm* thickness 120mm double-sided submerged arc welding pipe

▪ The main equipment of large straight seam welded pipe production line is milling machine, pre-bending machine, forming machine, pre-welding machine, hydraulic press, expanding machine, flaw detection equipment, etc., all adopt the international first-class design and manufacturing technology

▪ The equipment is stable and reliable, and the molding precision is high

▪ The whole line realizes PID automatic control and online nondestructive testing automatic control

▪ From the raw materials into the unit, to the inspection, spray mark completion, all realize automation and intelligence

钢级 /Steel Grade	▪ Q235-Q690D+Z15、Z25、Z35 L245-X80
长度 /Length (mm)	▪ 8000-13000
规格范围 Size range (mm)	▪ φ406-φ1626
最大厚度 Maximum thickness (mm)	▪ 120
执行标准 /Enforce Standards	▪ ISO3183、APISpec 5L PSL2、ASTMA671、ASTMA672、ASTMA691、GB/T9711 等标准 (Standards)

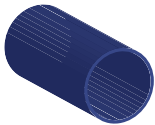
03

生产规格
Production Specification

规格 Specifications (mm)	壁厚 Thickness (mm)
φ355	6.4-40
φ406	6.4-45
φ508	6.4-50
φ610	7.1-55
φ711	8.7-60
φ813	10.3-65
φ914	11.1-75
φ1016	12.7-80
φ1219	13.6-85
φ1422	13.6-90
φ1524	13.6-96
φ1626	3.6-100



专用托辊管
Special Roller Tube



- 01

应用场景
Application Scenario

▪ 热扩

▪ 推弯

▪ 冷拔

◦ Thermal expansion

◦ Bend in push

◦ Cold drawing

- 02

产品特点
Product Features

◦ 现有高频焊管 4 条生产线, 分别为 HG50、HG76、HG127、HG165 机组, 产品规格为 φ48mm-φ165mm, 壁厚 3.0mm-6.0mm, 以生产高精度专用托辊管为主

◦ 直线度国标 C 级要求 0.5mm/m; 我公司标准为 0.2mm/m 以内

◦ 椭圆度国标 C 级要求: 89-108 国标为 0.4mm; 114-159 国标为 0.5mm; 我公司统一要求控制在 0.2mm 以内, 偏摆跳量控制 0.4mm 以内。

◦ 内毛刺高度按国标高精度控制在 +0.2-0.05mm, 外刮执行圆弧过渡, 光滑无手感。

◦ 机组具有在线涡流探伤、水压试验机检测设备确保产品的焊接质量

◦ 出厂产品经过水压试验、拉伸试验、屈服强度、跳动量等各种检测手段进行检验, 确保质量合格

▪ At present, there are 4 high-frequency welded pipe production lines, respectively HG50, HG76, HG127, HG165 units, the product specifications are φ48mm-φ165mm, the wall thickness is 3.0mm-6.0mm, mainly to produce high-precision special idler pipe

▪ The national standard C level of straightness requires 0.5mm/m; Our company standard is within 0.2mm/m

▪ National standard C requirements for ovality: 89-108 national standard is 0.4mm; 114-159 national standard is 0.5mm; Our company unified requirements to control within 0.2mm, yaw jump control within 0.4mm.

▪ The internal burr height is controlled at + 0.2-0.05mm according to the national standard with high precision, and the external scraping is carried out with arc transition, smooth without feel.

▪ The unit has on-line eddy current inspection and hydraulic testing machine to ensure the welding quality of the product

▪ The products are tested by various testing means such as water pressure test, tensile test, yield strength and runout to ensure the quality is qualified

- 材质 /Material

▪ Q235/Q355/Q195
- 长度 /Length (mm)

▪ 4000-12000
- 执行标准 /Enforce Standards

▪ GB/T13793-2016 直缝电焊钢管 Straight welded steel pipe

▪ GB/T3091-2015 低压流体输送用焊接钢管 Welded steel pipe for low pressure fluid transfer

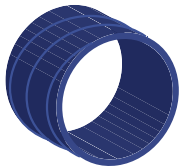
- 03

生产规格
Production Specification

规格 Specifications (mm)	壁厚 Thickness (mm)	钢管的外径允许偏差 Allowable deviation of outer diameter of steel pipe (mm)	弯曲度 不大于 The bending degree Is not greater than (mm/m)
48	2.0-3.5	-	-
60	3.0-3.75	-	-
76	3.0-4.0	-	-
89	3.0-5.0	+0.20 ~ -0.40	0.2
102	3.0-5.0	+0.20 ~ -0.40	0.2
108	3.0-5.0	+0.20 ~ -0.40	0.2
114	3.0-5.0	+0.20 ~ -0.40	0.2
127	3.0-5.0	+0.20 ~ -0.60	0.3
133	3.0-6.0	+0.20 ~ -0.60	0.3
140	3.0-6.0	+0.20 ~ -0.60	0.3
159	3.0-6.0	+0.20 ~ -0.60	0.3
165	3.0-6.0	+0.20 ~ -0.60	0.3



螺旋焊管
Spiral Welded Pipe



01	应用场景 Application Scenario	▪ 石油 ▪ 天然气 ▪ 热力 ▪ 水利的输送 ▪ 电力 ▪ 矿山 ▪ 桩管 ▪ 建筑结构用管 ◦ Petroleum ◦ Natural gas ◦ Heat power ◦ Water transfer ◦ Electricity ◦ Mine ◦ Pile tube ◦ Pipes for building structures
02	产品特点 Product Features	◦ 螺旋焊管是一种将低碳碳素结构钢或低合金结构钢钢带按一定的螺旋线的角度（称为成型角）卷成管坯，然后将管缝焊接起来制成的钢管，焊接工艺可以使用较窄的带钢来生产大直径的钢管，具有较高的生产效率和成本效益。 ▪ Spiral welded pipe is a kind of low carbon carbon structural steel or low alloy structural steel strip according to a certain helix Angle (called forming Angle) rolled into a tube blank, and then welded the pipe seam made of steel pipe, welding process can use a narrow strip steel to produce large diameter steel pipe, with high production efficiency and cost effectiveness.
03	材质 /Material	▪ Q235、Q355、L245-L555、X42-X80
	长度 /Length (mm)	▪ DN219mm-DN2400mm, 壁厚 4.5mm-25.4mm
	执行标准 /Enforce Standards	
03	生产规格 Production Specification	▪ GB/T9711—2023 石油天然气工业 管线输送系统用钢管 ▪ GB/T3091—2015 低压流体输送用焊接钢管 ▪ SY/T5037-2023 普通流体输送管道用埋弧焊钢管 ▪ SY/T5040-2012 桩用焊接钢管 ▪ API Spec 5L 管线钢管 ▪ GB/T9711-2023 Steel pipe for oil and gas industry pipeline transmission system ▪ GB/T3091-2015 Welded steel pipe for low-pressure fluid transport ▪ SY/T5037-2023 Submerged arc welded steel pipe for common fluid conveying pipes ▪ SY/T5040-2012 Welded steel pipe for piles ▪ API Spec 5L pipeline steel

螺旋钢管公称外径壁厚和每支理论重量 /Nominal outer wall thickness and theoretical weight of each spiral steel pipe

外径 Outside diameter (mm)	厚度 Thick- ness (mm)	重量 Weight (kg/m2)	外径 Outside diameter (mm)	厚度 Thick- ness (mm)	重量 Weight (kg/m2)	外径 Outside diameter (mm)	厚度 Thick- ness (mm)	重量 Weight (kg/m2)	外径 Outside diameter (mm)	厚度 Thick- ness (mm)	重量 Weight (kg/m2)	外径 Outside diameter (mm)	厚度 Thick- ness (mm)	重量 Weight (kg/m2)	外径 Outside diameter (mm)	厚度 Thick- ness (mm)	重量 Weight (kg/m2)
219	4.5	286	529	4.5	698	820	6	1445	1020	7	2098	1420	8	3343	1820	11	5889
	5	317		5	775		7	1684		8	2396		9	3758		12	6421
	6	378		6	929		8	1922		9	2693		10	4173		13	6952
	7	439		7	1081		9	2160		10	2989		11	4587		14	7482
273	4.5	358		8	1233		10	2397		11	3285		12	5000		15	8013
	5	397		9	1385		11	2634		12	3580		13	5413		16	8542
	6	474		10	1536		12	2869		13	3874		14	5825		17	9071
	7	551		11	1686		13	3105		14	4168		15	6237		18	9599
	8	627		12	1836		14	3339		15	4461		16	6648		19	10127
325	4.5	427	630	4.5	833		15	3573		16	4754		17	7058		20	10654
	5	474		5	925		16	3807		17	5046		18	7468		21	11180
	6	566		6	1108		17	4040		18	5338		19	7878		22	11706
	7	659		7	1291	920	7	1891		19	5628		20	8286		23	12231
	8	750		8	1473		8	2159		20	5919		21	8694		24	12756
	9	842		9	1654		9	2426	1220	7	2513		22	9102		25.4	13490
426	4.5	561		10	1835		10	2693		8	2869		23	9509	2020	11	6540
	5	623		11	2015		11	2959		9	3225		24	9915		12	7131
	6	746		12	2195		12	3225		10	3581		25.4	10483		13	7721
	7	868		13	2374		13	3489		11	3936	1620	9	4291		14	8311
	8	990		14	2552		14	3754		12	4290		10	4765		15	8900
	9	1111	720	5	1058		15	4017		13	4644		11	5238		16	9489
	10	1231		6	1268		16	4280		14	4997		12	5710		17	10077
478	4.5	631		7	1477		17	4543		15	5349		13	6182		18	10664
	5	700		8	1686		18	4805		16	5701		14	6654		19	11251
	6	838		9	1894					17	6052		15	7125		20	11838
	7	976		10	2101					18	6403		16	7595		21	12423
	8	1113		11	2308					19	6753		17	8065		22	13008
	9	1249		12	2514					20	7103		18	8534		23	13593
	10	1385		13	2720					21	7451		19	9002		24	14177
	11	1520		14	2925					22	7800		20	9470		25.4	14993
	12	1655		15	3130								21	9937			
				16	3333								22	10404			
													23	10870			
													24	11336			
													25.4	11986			

预制聚氨酯喷涂缠绕保温管
Prefabricated Polyurethane Spray Wound Insulation Pipe



01	应用场景 Application Scenario	▪ 高温液体气体和化学品输送 ▪ 电力、船舶工业设备中的管道隔热处理 ▪ 供热、供冷领域内的管道防腐绝热保温	
		◦ High temperature liquid gas and chemical transport ◦ Heat insulation treatment of pipelines in electric power and Marine industry equipment ◦ Pipeline anti-corrosion heat insulation in the field of heating and cooling	
02	产品特点 Product Features	◦ 聚氨酯喷涂缠绕保温管由工作钢管、硬质聚氨酯泡沫塑料保温层和高密度聚乙烯外护层紧密结合的一体式结构 ◦ 带报警线检测系统, 实时监测管道运行情况 ◦ 具有优异的隔热性能和耐久性	
		▪ Polyurethane spray wound insulation pipe by working steel pipe, rigid polyurethane foam insulation layer and high-density polyethylene outer cover tightly integrated structure ▪ With alarm line detection system, real-time monitoring of pipeline operation ▪ Excellent thermal insulation and durability	
03	生产规格 Production Specification	材质 /Material	▪ Q235B、Q355B 等
		规格范围 Size range (mm)	▪ DN700mm-DN1800mm
		执行标准 /Enforce Standards	▪ GB/T34611-2017《硬质聚氨酯喷涂聚乙烯缠绕预制直埋保温管》 ▪ GB/T34611-2017 "Rigid polyurethane sprayed polyethylene wound Prefabricated directly buried insulation pipe"

TPEP 防腐钢管
TPEP Anticorrosive Steel Pipe



01	应用场景 Application Scenario	▪ 供给水 ▪ 供热 ▪ 燃气 ▪ 建筑物的结构支撑	
		◦ Water supply ◦ Heat supply ◦ Gas ◦ Structural support of the building	
02	产品特点 Product Features	◦ TPEP 防腐钢管是在外 3PE 内熔结环氧防腐钢管以及外单层聚乙烯内环氧复合钢管基础上再次升级的一种新型防腐管道 ◦ 目前埋地长输管线常用的钢管防腐形式 ◦ 在钢管的内外壁进行特殊处理达到分子结合力的涂塑防腐钢管 ◦ 使用寿命长达 50 年以上 ◦ 具有优异的耐腐蚀性、耐压性、耐磨性, 抗轴向拉力大等特点 ◦ 且内壁光滑无污染, 粗糙率低 (n=0.006~0.009) ◦ 施工方便可地理、顶管、架空、拉管等简单易行	
		▪ TPEP anti-corrosion pipe is a new type of anti-corrosion pipe upgraded on the basis of external 3PE inner bonded epoxy anti-corrosion pipe and external single-layer polyethylene inner epoxy composite pipe ▪ At present, the corrosion prevention form of steel pipe commonly used in buried long distance pipeline ▪ Plastic coated anticorrosive steel pipe with special treatment on the inner and outer walls of steel pipe to achieve molecular binding force ▪ The service life is more than 50 years ▪ It has excellent corrosion resistance, pressure resistance, wear resistance, and high axial tension resistance ▪ The inner wall is smooth and pollution-free, and the roughness rate is low (n=0.006~0.009) ▪ Construction is convenient and can be buried, pipe jacking, overhead, pipe pulling and other simple and easy	
03	生产规格 Production Specification	材质 /Material	▪ Q235B、Q355B 等
		规格范围 Size range (mm)	▪ DN150mm-DN3200mm
		执行标准 /Enforce Standards	▪ 外壁防腐层标准: GB/T23257-2009 《埋地钢质管道聚乙烯防腐层》 ▪ 内壁防腐层标准: CJ/T120-2008 给水涂塑复合钢管》 ▪ Outer wall anticorrosive layer standard: GB/T23257-2009 "Buried steel pipe polyethylene anticorrosive layer" ▪ Inner wall anticorrosive layer standard:CJ/T120-2008 Plastic coated composite steel pipe for water supply