



四川科新机电股份有限公司

SICHUAN KEXIN MECHANICAL AND ELECTRICAL EQUIPMENT CO.,LTD.



铸受人尊重的民族企业

MAKING KEXIN A RESPECTABLE NATIONAL ENTERPRISE



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石油 · 化工 · 常规电站 · 核电 · 军工 · 环保 · 贸易

Petroleum
Chemical Engineering
Conventional Power Plant
Nuclear Power
Military Equipment
Environmental Protection
International Trading



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Appointment letter

M/s MZ Construction Consumable Supply Ltd

We, Sichuan Kexin Energy & Environmental Technology Co., Ltd. (shorted as SK E&E) here by address MZ Construction Consumable Supply Ltd. (shorted as MZ CCS below) as our whole and sole agent in complete GCC Countries, Europe, and United Kingdom. And we also address MZ CCS as our agent to represent our business in Turkey and Africa.

Our cooperating scope include but not limited to

1, drilling equipment range:

- 1.1 tools for pipe tripping (elevator links, elevators, spiders, slips, etc), 1.2 hydraulic tongs,
- 1.3 hydraulic power stations,
- 1.4 iron roughnecks,
- 1.5 auxiliary lifting equipment (hydraulic winches, pneumatic winches, logging winches, BOP hoist devices, etc.),
- 1.6 solid control equipment (all-in-one cleaners, centrifuges, dryers, sand pumps, agitators, hoppers, etc.)
- 1.7 rig components and spare part in our catalogue.
- 1.8 Five-cylinder mud pump
- 1.9 pumping unit

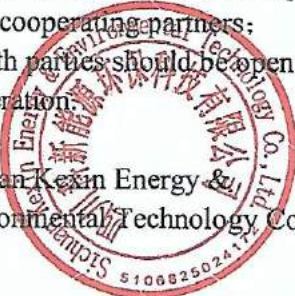
2, chemical equipment

- 2.1 heavy duty pressure vessels
- 2.2 nuclear power & nuclear chemical equipment
- 2.3 conventional power station auxiliary equipment & piping products

For long term cooperation purpose, we both parties have reach agreements as below:

- 1, For all the product that SK E&E can supply, MZ CCS should choose SK E&E prior than other suppliers;
- 2, In the area that MZ CCS represents whole and sole, SK E&E will only quote to MZ CCS;
- 3, In the area that MZ CCS represents (Turkey and Africa), SK E&E has to provide price not higher than other cooperating partners;
- 4, Both parties should be open and honest to each other, and we both looking forward for better cooperation.

Sichuan Kexin Energy &
Environmental Technology Co., Ltd



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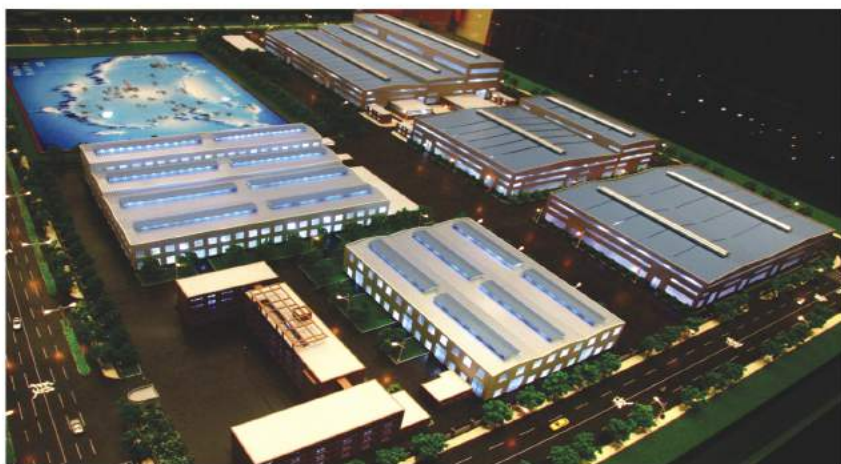
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■ 公司概况

四川科新机电股份有限公司成立于1997年，是一家专业从事过程装备的供应商，注册资本2.378亿元，年销售收入数亿元，拥有员工600余人的国家高新技术企业。目前，公司涉及石油、化工、常规电站、核电、军工、环保和进出口贸易等业务板块，是中国重装基地（德阳）成员单位之一。

公司拥有A1、A2、A3三类压力容器设计与制造资质，美国ASME U、U2产品设计与制造资质，核级一类放射性物品运输容器制造许可证，民用核2、3级安全机械设备的制造许可证，并于2010年7月成功登陆深圳证券交易所创业板，股票简称：科新机电，股票代码：300092。



公司总部鸟瞰图 重型压力容器（含核级）制造基地
Manufacturing base of heavy-duty pressure vessel (incl. nuclear-level products)

SICHUAN KEXIN MECHANICAL AND ELECTRICAL EQUIPMENT CO., LTD.

■ Brief Introduction

Established in 1997, Sichuan Kexin Mechanical and Electrical Equipment Co., Ltd is a professional process equipment supplier and National High-tech Enterprise with registered capital RMB 237.8million, annual sales revenue of several hundred million, number of employees more than 600. At present we are one of the members of China heavy-duty manufacturing base (Deyang Area) and engaged in the following businesses: petrochemical, chemical engineering, conventional power plant, nuclear power, military equipment, environmental protection and international trading etc.

Our company has obtained Design and Manufacture Licenses for Class A1,A2,A3 Pressure Vessels, Design and Manufacture Licenses for ASME U and U2, Manufacture License of container shipping Nuclear Grade I radioactive substance, Manufacture Licenses for Class 2 and 3 Civil Nuclear Safety Mechanical Equipment. Kexin was listed in the Shenzhen Stock Exchange ChiNext in July, 2010. Stock reference: Kexin Jidian, stock code: 300092.





■ 业务合作分布 Products & Services



■ 服务品质

科新机电始终秉承“安全、质量、交期、成本”的经营理念，以“精诚精细精益，精工精准精彩”的核心理念和“过程零缺陷，结果真善美”的质量观指导一切工作。以诚信发展业务，以品质服务客户，赢得了世界各地用户的信赖与支持。

多年以来，公司在石油化工领域积累了丰富的设备设计和制造经验，拥有多项核心技术。公司与中石油、中石化、中海油、延长石油、中国神华、中国寰球、东方电气、上海电气以及中国五环、中国成达等国内大型知名企业及工程公司建立了长期合作关系，多年被评为优秀供应商，树立了公司良好的企业品牌形象；公司还与国际知名的工艺技术供应商美国KBR、荷兰Stamicarbon及国际知名企业日本三菱日立、德国MAN、美国拉贝尔、奥地利SBN等公司有着长期友好的合作关系。产品畅销拉美、欧洲、非洲、中东、东南亚等20多个国家或地区，在国际市场具有较强的竞争优势。

随着业务的不断扩大，公司在核电、军工领域也开始崭露头角，公司是中国核电工程公司、中广核工程公司、中核能源科技公司、国核工程公司、中电投等众多核电公司的核级设备和核化工设备的供应商。公司拥有“民用核安全设备制造许可证”，“一类放射性物品运输容器制造许可证”。

2015年，公司正式涉足油田环保领域，致力于油田环保设备的设计、制造、销售以及工程服务，并已先后在中国内蒙古鄂尔多斯地区、冀东油田等地区完成了多个油田环保项目。未来，公司将不断扩大油田环保服务领域，并向海外市场进军。

公司全资子公司四川科新奥莱进出口有限公司，目前已在国内建成完善的石油设备物资供应网络。其产品覆盖了钻井管材、采油采气设备、井口设备、钻头、螺杆钻具、台面工具、井下工具、钻机配件等。主要在俄罗斯，独联体，以及中东，南北美等区域活动，并与EDC集团，KDC钻井公司，PDVSA等国际大型钻井公司建立了长期稳定的合作关系。

公司拥有省级企业技术中心，具有高水平的研究与开发能力，积累了多项发明专利、实用新型专利和几十项核心技术。公司长期与清华大学、四川大学等国内20多家知名单位以及行业资深专家展开紧密的技术合作，不断创新制造技术，强化科技研发能力，从容应对未来市场挑战。

Quality of Service

We continuously uphold the management concept of "Safety, Quality, On-time Delivery and Cost", core value of "Absolute Sincerity, Elaborate Products, Continuous Improvement, Fine Workmanship, Accuracy & Precision, Splendid Future" and quality concept of "Zero Defects during the manufacturing turns out the good result." We develop business with sincerity; Serve the customers with good quality. The concept enables us to win the trust and support from the customers all over the world.

Over the past years, Kexin has gained rich experience in design and manufacturing of equipment and obtained several core technologies in the field of petrochemical. Our company has established long-term cooperation with large-scale well-known enterprises and engineering corporations domestically, e.g. CNPC, Sinopec, CNOOC, Yanchang Petroleum, China Shenhua Group, HQC, DEC, Shanghai Electric Group, China Wuhuan, China Chengda. Kexin has been awarded as excellent supplier in the past years and established a good brand image. Our company has established friendly long-term cooperation with international well-known process licensor, such as Kellogg Brown & Root LLC from United States and Stamicarbon from Netherlands.

Also our company cooperate successfully with international well-known enterprises, such as MHPS, MAN(Deggendorf), LaBaer, SBN. We provide products and services for more than 20 countries and areas, e.g. Latin America, Europe, Africa, Middle East and Southeast Asia. We have established strong competitive strength in international market.

For the development of business, our company makes a conspicuous figure in the field of nuclear power and military equipment and provides the nuclear equipment and nuclear chemical equipment for the nuclear power engineering companies, e.g. CNPE, CGNEC, CHINERGY, SNPTC, China Electric Investment. Kexin has obtained the manufacture licenses for civil nuclear safety mechanical equipment, manufacture license of container shipping Nuclear Grade I radioactive substance.

In 2015, Kexin has stepped into the field of oilfield environmental protection and engaged in the design, manufacture, sales and engineering service for the oilfield environmental protection equipment. Our company has supplied several sets of oilfield environmental protection projects in Erdos, Inner Mongolia, China and Jidong Oilfield, etc. In the future, our company will expand our service area to oilfield environmental protection in China and abroad.

Sichuan Kexin Oiland International Co., LTD. is the wholly-owned subsidiary of Kexin Mechanical and Electrical. Now Kexin Oiland has built perfect petroleum materials supplying network, whose products cover drilling pipe, oil and gas production equipment, well head equipment, drill bits, downhole motors, rig floor tools, downhole tools, rig accessories etc. Its main market covers Russia, the Commonwealth of the Independent States, Middle East, North and South America and so on. EDC Group, KDC drilling company, PDVSA Company and other international big drilling companies are Kexin Oiland's long term cooperators.

Our company has owned the provincial technical center, high level of R&D ability, several invention patents, patent for utility models and dozens of core technologies. Our company has close technical cooperation with more than 20 well-known companies and senior industry experts, such as Tsinghua University and Sichuan University to constantly innovate the manufacturing technologies and strengthen technical R&D ability to deal with the market challenges in the future.

核心技术 Core Technology

· 成型 Forming

单层 8 250 厚板卷制、DN4000 多层夹紧式整体包扎、大型球罐瓣片压制、数控弯管技术。
Rolling of single-layered thick plate of 250mm, DN4000 integrated multi-layered clamping and wrapping technology, pressing and forming of sectors of large spherical tanks and numerical-controlled bending of pipes.

· 材料及焊接 Materials and Welding

- 18MnMoNbR、13MnNiMoR、14Cr1MoR、12Cr2Mo1R、15CrMoR、09MnNiDR、08Ni3DR、Sa387、Sa203、S31803、S32205、S32507 等高强度、高温钢、抗氢钢、低温钢、双相钢、高合金不锈钢、复合钢板的焊接、制造技术。
- 特材：铜、镍(20ALLOY、INCONEL600、INCONEL690、INCONEL800、Incoloy825)、钛(TAI、TA2)、N10276 哈氏合金、锆、钎、铝及其合金设备的焊接、制造技术。
- 各种管子与管板自动焊、内孔焊，管子与管子自动对接焊。

1. Welding and manufacturing technology of 18MnMoNbR, 13MnNiMoR, 14Cr1MoR, 12Cr2Mo1R, 15CrMoR, 09MnNiDR, 08Ni3DR, Sa387, Sa203, S31803, S32205, S32507 high-strength steel, high-temperature steel, hydrogen-resistance steel, low-temperature steel, duplex steel, high-alloy stainless steel and cladding steel plate.
2. Special materials; welding and manufacturing technology for equipment made of Copper, Nickel (20ALLOY, INCONEL600, INCONEL690, INCONEL800 and Incoloy825), Titanium (TAI and Ta2) Zirconium Hafnium Aluminum and alloy steel.
3. Tube-to-tubesheet automatic welding, inner bore welding and tube-to-tube automatic butt welding.

· 检测 Inspection

x 射线、γ 射线(铱 192 和 钴 60)、6MeV 加速器、TOFD 超声波、磁粉等无损探伤技术；氦质谱、氨渗透检漏技术；不锈钢铁素体检测、化学元素光谱分析技术；数字经纬仪线性检测。

Inspection: NDT technologies including x-ray, γ-ray (Ir 192 and Co 60), 6MeV ion linear accelerator, TOFD ultrasonic wave and magnetic particle testings; Helium mass spectrum leakage detection and ammonia leakage detection technology; ferrite inspection for stainless steel and spectral analysis technology for chemical compositions and digital theodolite linear detection technology.



四川科新机电股份有限公司
SICHUAN KEXIN MECHANICAL AND ELECTRICAL EQUIPMENT CO., LTD.

装备能力
Equipment Capacity

- 起吊设备
Lifting Equipment
- 成型设备
Forming Equipment
- 机加设备
Machining Equipment
- 焊接设备
Welding Equipment
- 无损检测设备
NDT Equipment
- 热处理设备
Heat Treatment Equipment

Http: //www.sckxjd.com

· 起吊设备 Lifting Equipment



↑ 360T/100T桥式起重机(单跨2台)
360T/100T Overhead Travelling Crane(2 Sets/Single-span)

· 成型设备 Forming Equipment



↑ 冷卷250mm × 3500mm
Cold Rolling Machine 250mm × 3500mm

· 成型设备 Forming Equipment



↑ 卷板机90mm × 3200mm
Plate Roller 90mm × 3200mm

· 成型设备 Forming Equipment



↑ DN4000整体多层夹套式包扎机
DN4000 Integrated Multi-layered Clamping and Wrapping Machine

· 成型设备 Forming Equipment



↑ 4000吨油压机
4000T Oil Press

· 成型设备 Forming Equipment



↑ 空间数控弯管机
CNC Tube Bending Machine

· 机加设备 Machining Equipment



↑ 10m、6.3m数控立车
10m and 6.3m CNC Vertical Lathe

· 机加设备 Machining Equipment



↑ 深孔数控钻 (φ55 × 1000)
Deep Hole CNC Drilling Machine

· 机加设备 Machining Equipment



↑ DM7050、4B高速数控平面钻 (φ60 × 300mm)
DM7050/4B CNC High Speed Plane Drilling Machine

· 机加设备 Machining Equipment



↑ 200mm数控镗铣床
200mm Boring and Milling Machine

· 焊接设备 Welding Equipment



↑ ESAB封头带极堆焊装备
ESAB Strip Surfacing Machine for Head

· 焊接设备 Welding Equipment



↑ ESAB窄间隙焊接工作站
ESAB Narrow Gap Welding Work Station

· 焊接设备 Welding Equipment



↑ 埋弧自动横焊机 (DN7200三聚氰胺反应器焊接中)
Automatic Submerged Arc Welding Machine (DN7200 Melamine Reactor Under Welding)

· 焊接设备 Welding Equipment



↑ 马鞍型埋弧自动横焊机
Saddle-shaped Automatic Submerged Arc Welding Machine

· 焊接设备 Welding Equipment



↑ 管子管板自动焊机
Automatic Welding Machine of Tube and Tubesheet

· 焊接设备 Welding Equipment



↑ 深孔自动焊机
Deep Hole Automatic Welding Machine

· 焊接设备 Welding Equipment



↑ 小孔堆焊机
Small Hole Overlaying Welding Machine

· 焊接设备 Welding Equipment



↑ 螺柱焊机
Stud Welding Machine



· 无损检测设备 Nondestructive Testing Equipment



④ 氦质谱检漏仪
Helium Mass Spectrum Leakage Detector

· 无损检测设备 Nondestructive Testing Equipment



④ 直读式光谱分析仪
Direct-reading Spectrum Analyzer

· 无损检测设备 Nondestructive Testing Equipment



④ MTS 摆锤式冲击试验机
MTS Pendulum Impact Testing Machine

· 无损检测设备 Nondestructive Testing Equipment



④ 高温拉伸试验机
High Temperature Tensile Testing Machine

· 无损检测设备 Nondestructive Testing Equipment

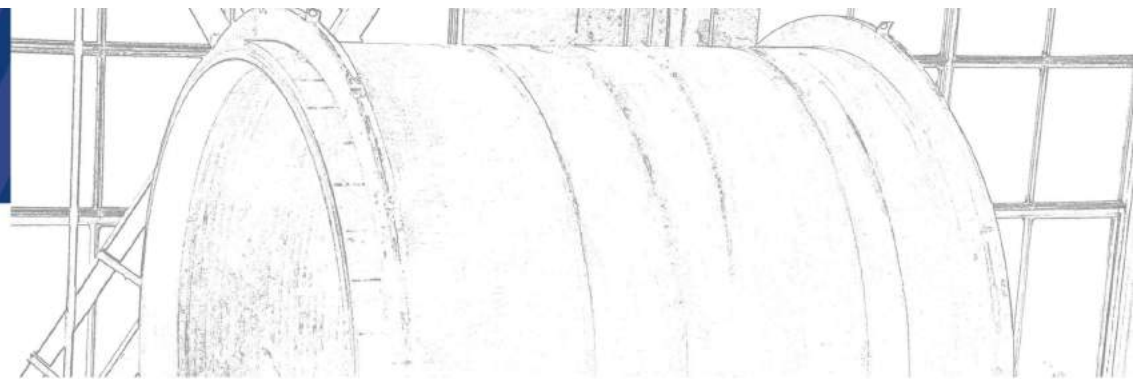


④ 6MeV加速器
6MeV Accelerator

· 热处理设备 Heat treatment Equipment



④ 8m × 8m × 25m退火炉
Annealing Furnace



主要产品

Main Products

- 重型压力容器
Heavy-duty Pressure Vessels
- 核电及核化工设备
Nuclear Power & Nuclear Chemical Equipment
- 常规电站辅机设备及管系产品
Conventional Power Station Auxiliary
Equipment & Piping Products
- 环保产品及服务
Environmental Protection Products & Services

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产品介绍 Products Introduction

· 重型压力容器

煤化工、石油化工、化肥化工等高温、低温、高压重型压力容器，热交换器、反应器、塔器等，煤气化炉、激冷罐、灰飞过滤器、洗涤塔及单层、多层高压反应器等。

Heavy-duty Pressure Vessels

High Temperature, Low Temperature, High Pressure Heavy-duty Pressure Vessel, Reactor, Tower etc for the Field of Coal Chemical, Petrochemical, Fertilizer Chemical etc. Including Coal Gasifier, Chilling Tank, Fly Ash Filter, Scrubber, Single-layered and Multi-layered High Pressure Reactor etc.

· 核电及核化工设备

民用核2、3级安全机械设备（压力容器，热交换器，储罐等）；高，中，低放废液储罐，气镇器，过滤器，搅拌器等专用设备；常规岛控制系统的高位水箱，压力油箱，GGR管路设备。

Nuclear Power & Nuclear Chemical Equipment

Class 2&3 Civil Nuclear Safety Equipment (Pressure Vessels, Heat Exchangers and Tanks etc); High, Medium and Low Pressure Effluent Storage Tank, Gas Ballast, Filter and Agitator and other Special Equipment; High Level Water Tank. Pressure Oil Tank, GGR Pipeline Equipment for Conventional Island Control System.

产品介绍 Products Introduction

· 常规电站辅机设备及管系产品

高压加热器，低压加热器，减温减压器，疏水扩容器，凝汽器，控制系统冷却器等，燃气轮机BOP管系，水轮机管系，火电机组管系。

Conventional Power Station Auxiliary Equipment & Piping Products

High Pressure Heater, Low Pressure Heater, Temperature and Pressure Reducer, Drain Flash Tank, Condenser, Control System Cooler etc. Gas Turbine BOP Piping System, Water Turbine Piping System, and Piping System for Thermal Power Generating units.

· 环保产品及服务

油田环保设备（泥浆不落地处理系统、泥浆振动筛、螺旋输送机、油田废弃物集中处理场站），油田环保服务（泥浆不落地服务、压裂返排液处理、水处理、油田废弃物集中处理），城市污水处理，固体废弃物处理，生态治理等。

Environmental Protection Products & Services

Oilfield Environmental Protection Equipment (Mud Treatment System, Shale Shaker, Screw Conveyor, Centralized Treatment Station for the Oilfield Waste), Oilfield Environmental Protection Service (Mud Treatment Service, Fracturing Flow-back Liquid Treatment, Water Treatment, Centralized Treatment for the Oilfield Waste), Treatment of Municipal Sewage, Solid Waste Treatment, Ecological Management etc.

· 重型压力容器 Heavy-duty Pressure Vessels

一、单层厚板容器 Single-layered Thick-plate Pressure Vessels

DN2400氨合成塔 DN2400 Ammonia Converter

- 承制年份: 2014年
- Year of manufacture: 2014
- 材料: 2%Cr-1Mo SA387
- Material: 2%Cr-1Mo SA387
- 厚度: 120mm
- Thickness: 120mm
- 重量: 170吨
- Weight: 170T
- 温度: 300摄氏度
- Temperature: 300°C



WH煤气化炉激冷罐 WH Coal Gasifier Chilling Tank

- 承制年份: 2011年
- Year of manufacture: 2011
- 材料: SA387 GR11+316L
- Material: SA387 GR11+316L
- 内径: 3800mm
- Inside diameter: 3800mm
- 壁厚: 95+6mm
- Wall thickness: 95+6mm
- 全长: 13855mm
- Overall length: 13855mm



宁煤400万吨煤制油气化装置18台缓冲罐

18 sets of Buffering Tank for CTL Gasification Equipment, Capacity of 4,000,000 T/Y, China Shenhua Ningxia Coal(Group) Co.,Ltd

- 承制年份: 2014年
- Year of manufacture: 2014
- 材料: Q345R
- Material: Q345R
- 厚度: 110mm
- Thickness: 110mm
- 重量: 260吨
- Weight: 260T
- 温度: 90摄氏度
- Temperature: 90°C



DN6000热压罐 DN6000 Autoclave

- 承制年份: 2016年
- Year of manufacture: 2016
- 材料: Q345R/16Mn
- Material: Q345R/16Mn
- 重量: 300吨
- Weight: 300T
- 温度: 400摄氏度
- Temperature: 400°C



· 重型压力容器 Heavy-duty Pressure Vessels

煤气化炉壳体堆焊中 Shell of Coal Gasifier Under Overlaying

- 承制年份: 2011年
- Year of manufacture: 2011
- 材料: SA387/GR11堆焊E309MoL+316L
- Material: SA387/GR11 Overlayed with E309MoL+316L
- 内径: 3600mm
- Inside diameter: 3600mm
- 壁厚: 112+6mm
- Wall thickness: 112+6mm



二、整体包扎设备 Multi-layered Clamping and Wrapping Equipment

20万吨/年氨合成塔 Ammonia Converter with the Capacity of 200,000/year

- 承制年份: 2010年
- Year of manufacture: 2010
- 材料: 16MnR/20MnMo
- Material: 16MnR/20MnMo
- 内径: 1600mm
- Inside diameter: 1600mm
- 壁厚: 184mm
- Wall thickness: 184mm
- 重量: 190吨
- Weight: 190T
- 全长: 18000mm
- Overall length: 18000mm



高压氮气储罐 HP Nitrogen Storage Tank

- 承制年份: 2012年
- Year of manufacture: 2012
- 材料: Q345R
- Material: Q345R
- 内径: 3000mm
- Inside diameter: 3000mm
- 壁厚: 218mm
- Wall thickness: 218mm
- 全长: 1500mm
- Overall length: 1500mm
- 重量: 236.8吨
- Weight: 236.8T



三、锻焊设备 Forge Welding Vessels

BDO反应器 BDO Reactor

- 承制年份: 2014年
- Year of manufacture: 2014
- 材料: 20MnMo堆焊30403
- Material: 20MnMo, W.O 30403
- 内径: DN2000
- Inside diameter: DN2000
- 厚度: 270+6mm
- Thickness: 270+6mm
- 重量: 175.3吨
- Weight: 175.3T
- 温度: 140摄氏度
- Temperature: 140°C



· 重型压力容器 Heavy-duty Pressure Vessels

气化炉返向室制作中 Revise Chamber for Gasifier Under Fabrication

- 材料: 14Cr1MoIV
- Material: 14Cr1MoIV
- 规格: DN3460 × 300mm
- Specification: DN3460 × 300mm
- 重量: 330吨
- Weight: 330T



四、大型反应器 Large Reactor

BYD反应器(烛式过滤器26支) BYD Reactor(26 Sets of Candle Filter)

- 承制年份: 2014年
- Year of manufacture: 2014
- 材料: Q345R+31603
- Material: Q345R+31603
- 内径: 6100mm
- Inside diameter: 6100mm
- 重量: 175吨
- Weight: 175T
- 温度: 175摄氏度
- Temperature: 175°C



70M³聚合釜 70M³ Polymerizer

- 承制年份: 2011年
- Year of manufacture: 2011
- 材料: Q345R+304
- Material: Q345R+304
- 内径: 3900mm
- Inside diameter: 3900mm
- 壁厚: 28+3mm
- Wall thickness: 28+3mm
- 全长: 12500mm
- Overall length: 12500mm



甲醇合成反应器制作中 Methanol Synthesis Reactor Under Fabrication

- 承制年份: 2008年
- Year of manufacture: 2008
- 材料: 13MnNiMoNbR/
00Cr22Ni5Mo3N
- Material: 13MnNiMoNbR/
00Cr22Ni5Mo3N
- 内径: 3400mm
- Inside diameter: 3400mm
- 壁厚: 60mm
- Wall thickness: 60mm



· 重型压力容器 Heavy-duty Pressure Vessels

德国曼(MAN)DN7800费托管式反应器部件待发运
Parts for MAN Diesel & Turbo's Fischer-Tropsch Reactor (Ready for the Shipment)

- 承制年份: 2015年
- Year of manufacture: 2015
- 材料: SA516 Gr70
- Material: SA516 Gr70
- 温度: 420摄氏度
- Temperature: 420 °C
- 尺寸: DN7800mm
- Size: DN7800mm



乙二醇加氢反应器(15CrMo堆焊304L)

Ethanol Hydrogenation Reactor (15CrMo Overlaid with 304L)

- 承制年份: 2014年
- Year of manufacture: 2014
- 材料: 15CrMo+W.O. 304L
- Material: 15CrMo+W.O. 304L
- 规格: DN3800 × 160mm F = 3620m²
- Specification: DN3800 × 160mm
F = 3620m²
- 重量: 218吨
- Weight: 218T
- 温度: 290摄氏度
- Temperature: 290 °C



乙二醇合成反应器 Ethanol Synthesis Reactor

- 承制年份: 2014年
- Year of manufacture: 2014
- 材料: 16Mn堆焊304L
- Material: 16Mn+W.O. 304L
- 规格: DN4400*60mm, F = 3680 m²
- Specification: DN4400*60mm,
F = 3680 m²
- 温度: 270摄氏度
- Temperature: 270 °C



五、热交换器 Heat Exchanger

26万吨/年甲醇-入塔气预热器 260,000t/y Methanol - Tower Inlet-gas Preheater

- 承制年份: 2010年
- Year of manufacture: 2010
- 材料: Q345R+06Cr19Ni10
- Material: Q345R+06Cr19Ni10
- 内径: 2400mm
- Inside diameter: 2400mm
- 壁厚: 60+4mm
- Wall thickness: 60+4mm
- 全长: 26000mm
- Overall length: 26000mm



· 重型压力容器 Heavy-duty Pressure Vessels

加氢装置螺纹锁紧环换热器—精制进料换热器 Screw Lock Ring Heat Exchanger for Hydrogenation Equipment-refined Feed Heat Exchanger

- 承制年份: 2013年
- Year of manufacture: 2013
- 材料: 12Cr2Mo11V/S32168
- Material: 12Cr2Mo11V/S32168
- 内径: 800mm
- Inside diameter: 800mm
- 壁厚: 65mm
- Wall thickness: 65mm
- 全长: 8230mm
- Overall length: 8230mm



六、塔器 Tower

尿素洗涤塔 Urea Scrubber

- 承制年份: 2011年
- Year of manufacture: 2011
- 材料: 316L+316L MOD
- Material: 316L+316L MOD
- 规格: DN3000/3600 × 45000mm
- Specification: DN3000/3600 × 45000mm



甲醇洗涤塔 Methanol Scrubber for Vietnam

- 承制年份: 2013年
- Year of manufacture: 2013
- 材料: 09MnNiDR
- Material: 09MnNiDR
- 内径: 2900mm
- Inside diameter: 2900mm
- 壁厚: 38mm
- Wall thickness: 38mm
- 全长: 70100mm
- Overall length: 70100mm



四川石化芳烃项目塔器

Tower for Aromatic Hydrocarbon Project- Sinopec(Sichuan Branch)

- 承制年份: 2011年
- Year of manufacture: 2011
- 材料: Q345R
- Material: Q345R
- 规格: DN4000-6000mm, H=50M-70M
- Specification: DN4000-6000mm, H=50M-70M
- 温度: 199~230摄氏度
- Temperature: 199~230 °C



· 重型压力容器 Heavy-duty Pressure Vessels

新疆蓝山屯河BDO项目塔器 (DN4600-甲醛吸收塔等)

Towers for BDO Project, Xinjiang Blue Ridge Tunhe Chemical Industry Joint Stock Co., Ltd (DN4600-Formaldehyde Absorption Tower, etc)

- 承制年份: 2014年
- Year of manufacture: 2014
- 材料: S30408
- Material: S30408
- 规格: DN4600mm
- Specification: DN4600mm
- 温度: 28~165摄氏度
- Temperature: 28~165 °C



七、运用于PTA, 硝酸, 电解等装置中的哈氏合金, 蒙耐尔, 钛材, 20合金, 双相钢等特材设备

Equipment made of Special Material such as Hastelloy, Monel, Titanium, 20 Alloy and Duplex Steel for PTA, Nitric Acid and Electrolysis Device.



八、现场制作 On-site Fabrication

科新机电拥有400吨起吊能力的移动式工厂, 能满足大型超限设备的现场卷板、坡口制作、焊接、无损检测、整体热处理等现场制造工作。

Kexin has established a mobile factory with a lifting capacity of 400 tons, which can fulfill the on-site fabrication of oversized and overweight equipment, such as plate rolling, groove preparation, welding, NDT and overall heat treatment etc.

宁煤400万吨/年煤制油气化装置超限设备-18台缓冲罐现场制作

On-site Fabrication of 18 Sets of Buffering Tank-Oversized and Overweight Gasification Equipment for Ningmei 4,000,000t/y Coal to Liquid Project

- 承制年份: 2014年
- Year of manufacture: 2014
- 材料: Q345R
- Material: Q345R
- 规格: DN4200*110mm
- Specification: DN4200*110mm
- 温度: 90摄氏度
- Temperature: 90 °C
- 重量: 260吨
- Weight: 260T



· 重型压力容器 Heavy-duty Pressure Vessels

神华宁煤400万吨/年煤制油及60万吨/年煤制烯烃超限设备现场制作--超限塔器及容器

On-site Manufacturing of Oversized and Overweight Equipment--Oversized and Overweight Vessel/Tower, Shenhua Ningmei CTL(Coal to Liquid)4,000,000T/Y and CTO(Coal to Olefins)600,000T/Y



- 规格: DN5000 ~ DN10000mm
- Specification: DN5000 ~ DN10000mm
- 高度: ~ 80m
- Height: ~ 80m

中石化德阳LNG 2*5000M³低温储罐制作现场
Manufacturing Site for 2*5000M³ LNG Cryogenic Storage Tank for Sinopec in Deyang City*

- 承制年份: 2015年
- Year of manufacture: 2015
- 材料: Q345R、S30408
- Material: Q345R and S30408
- 温度: -192摄氏度
- Temperature: -192°C



中石化阆中LNG 20000M³低温储罐制作现场
Manufacturing Site for 20000M³ LNG Cryogenic Storage Tank for Sinopec in Langzhong City*

- 承制年份: 2016年
- Year of manufacture: 2016
- 材料: Q345R、S30408
- Material: Q345R and S30408
- 温度: -163摄氏度
- Temperature: -163°C



· 核电及核化工设备 Nuclear Power & Nuclear Chemical Equipment

热气导管 Hot Gas Guiding Tube

- 承制年份: 2016年
- Year of manufacture: 2016
- 材料: SA516-70、NO6625、SA-266MGr.4
- Material: SA516-70、NO6625、SA-266MGr.4
- 温度: 800摄氏度
- Temperature: 800 °C
- 尺寸: DN1170 × 20 × 5781mm
- Size: DN1170 × 20 × 5781mm



主氦风机冷却器 Cooler for Helium Blower

- 承制年份: 2012年
- Year of manufacture: 2012
- 材料: 304L/S30408
- Material: 304L/S30408
- 温度: 150摄氏度
- Temperature: 150 °C
- 尺寸: 1400 × 2100 × 1200mm
- Size: 1400 × 2100 × 1200mm



YJ-1型运输容器 YJ-1 Shipping Container

- 承制年份: 2016年
- Year of manufacture: 2016
- 材料: Q345E
- Material: Q345E
- 温度: -40 ~ 38摄氏度
- Temperature: -40 ~ 38°C
- 尺寸: 1920 × 770 × 510mm
- Size: 1920 × 770 × 510mm



· 核电及核化工设备 Nuclear Power & Nuclear Chemical Equipment

中科华核电技术研究院-CPR1000堆芯模拟体 CPR 1000 Core Simulator- CNPRI



- 承制年份: 2011年
- Year of manufacture: 2011
- 材料: 00Cr19Ni10
- Material: 00Cr19Ni10

换料设备联调/模拟操作综合装备

Joint Debugging Simulation Comprehensive Device of Refueling Equipment



- 承制年份: 2010年
- Year of manufacture: 2010
- 材料: 508 III
- Material: 508 III

· 常规电站辅机设备及管系产品 Conventional Power Station Auxiliary Equipment & Piping Products

常规电站高加, 低加; 燃气轮机EB-01, BOP管系等



High Pressure Heater and Low Pressure Heater for Conventional Power Plant; Gas Turbine Exhaust Duct EB-01, BOP Piping System, etc

· 环保产品及服务 Environmental Protection Products & Services

随钻泥浆不落地技术 No pit waste drilling mud treatment technology

主要工艺: 收集、振动筛分或甩干、离心分离、固化
Main procedure: collection, shaker screening or drying, centrifugal separation, solidification
处理能力: ≥60立方米/小时
Processing capacity: ≥60 m³/h
特点: 撬装化、模块化、集中控制、循环利用
Characters: skid type, modularization, centralized control, cyclic utilization.
适用泥浆体系: 水基、油基
Applicable mud-water base mud, oil base mud



含油污泥资源化处理技术 Resourceful treatment of waste mud with oil

主要工艺: 热解炭化、蒸汽喷射、干化焚烧
Main procedure: pyrolysis or carbonization, steam jet, drying and incineration
处理能力: 可根据用户需要选择
Processing capacity: according to client's need.
特点: 撬装化、模块化、资源化
Character: skid type, modularization, resourceful
适用对象: 钻屑油泥、炼化三泥、油坑油泥、土壤修复
Applicable target: cuttings with oil, refining and chemical waste, oil pit mud, soil remediation



餐厨垃圾无害化处理技术 Kitchen waste innocent processing technology

主要工艺: 分拣、破碎、厌氧发酵、沼气发电、生物降解、水处理等
Main process: sortation, reduction, anaerobic digestion, marsh gas power generation, biodegradation, water treatment
处理能力: 可根据用户需要选择
Processing capacity: according to client's need.
特点: 模块化、自动化、资源化
Characters: modularization, automation, resourceful.



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