



SINOKO CRANES

新科起重

国产起重机选型图册

CHINESE DESIGN CRANE SERIES

CHINESE
DESIGN

中国起重机制造专家

LEADING CRANE MANUFACTURER

Focus On Crane Technology Development





公司简介 COMPANY PROFILE

河南新科起重机股份有限公司是与世界上最大的起重机专业制造商之一——科尼起重机集团 SWF 公司进行技术合作组建的现代化企业。新科起重机致力于欧式起重机技术的发展与创新，努力将新科起重机打造成国际知名品牌。公司位于素有“中国起重机械之乡”美誉的河南省长垣起重工业园区，总投资 2.2 亿元，注册资金 2.088 亿元，占地 20 万平方米，现有员工 1200 人，其中，高、中级专业技术人员 180 人，拥有各种先进的生产、检测设备 210 多台套，为生产高品质的产品奠定了坚实的基础。

基于科尼技术，我们的起重机尺寸小，自重轻，免维护性能好，工作持续率高，配置先进，如镀锌高强度钢丝绳，起升自调盘式制动器，起升硬齿面减速机，可程序起升限位器等，是国内起重机领域的创新产品。主要产品有：各种国标及欧标桥、门式起重机及轻小型起重机械，其中欧标产品的关键核心部件采用科尼集团 SWF 公司产品，结构件的制作按科尼起重机图纸及工艺标准进行生产。整机性能达到国际先进水平。

新科起重机获得了国家技术监督总局颁发的生产许可证，并通过 ISO9001 质量体系、ISO14001 环境管理和 OHSAS18001 职业健康安全管理体系的认证，全面提升了企业的整体管理水平。

新科人将以“跨越巅峰，志在超越”的企业理念，打造具有国际水平的现代化企业，实行一流管理、制造一流产品，竭诚与您携手合作，实现利益双赢。

领先中国 · 比肩世界

LEADING CHINA
SHOULDER THE WORLD



Henan SINOKO Cranes Joint Stock Company Limited is a modern enterprise, cooperated with SWF Co. Ltd of KONE Group which is one of the biggest professional crane manufacturers in the world. SINOKO is committed to the development and innovation of Euro-kind crane and to make SINOKO be a well-known international brand. SINOKO is located in the Crane Industrial Park , Changyuan, Henan province which is known as "the Crane Hometown of China" . The total investment of SINOKO is 220 million RMB, registered capital of 208.8 million RMB, covering an area of 200 thousand square meters, with 1200 employees including 180 intermediate and senior professional technicians and more than 210 sets of advanced modern equipments for production and inspection. SINOKO laid the solid foundation for manufacturing high quality production.

Based on KONE' s technology, our crane is compact, light weight, excellent performance, easy for maintenance, smooth for continuous working, and its components is advanced, such as galvanized high strength wire rope, self-adjust disk brake and hard tooth reducer both for lifting mechanism, Programmable lifting limiter, and so on, is the innovative product in the domestic crane industry.

Main products: all kinds of Euro-standard and Chinese national standard overhead crane, gantry crane and small-sized lifting equipment. among Euro-standard products, the crucial components of CXT series crane are the product from KONE Group SWF company, and the production of the components are manufactured according to the KONE' s drawing and meets the requirement, the crane reaches international advanced level.

Our company has the manufacturing license granted by CSBTS. And it passed the ISO9001 quality management system certificate, ISO14001 Environment management system certificate, OHSAS18001 occupational health and safety management system certificate, enhancing the company' s overall managerial level.

SINOKO will hold the philosophy of "crossing the Peak, trying to exceed" to make a modern enterprise of international standards, to carry out a top-grade management, to produce the first class products. We sincerely cooperate with you and achieve win-win situation for us.

LDA、LDC、LX型电动单梁起重机

LDA, LDC, LX ELECTRIC SINGLE-GIRDER CRANE

LDA型电动单梁起重机由钢板与工字钢组焊成的主梁、端梁、电动葫芦及运行机构组成，电动葫芦沿主梁工字钢下翼缘运行，完成物品的吊运工作，具有结构轻巧、安装维护方便等特点，广泛应用于工厂、仓库、料场等不同场合吊运货物，禁止在易燃、易爆、腐蚀性介质环境中使用。跨度为7.5~22.5m(可根据用户要求进行非标设计)，工作级别为A3，工作环境温度为-25℃~40℃。



操作方式设有地面手柄、无线遥控和司机室三种操作形式。驾驶室有开式、闭式两种。

运行电机可根据用户要求选用软启动电机和变频调速，起重机启动平稳，运行安全可靠。

LDA electric single-girder overhead crane is composed of girder weld by steel plate and I-steel, end girder, electric hoist and travelling mechanism. The electric hoist runs along the lower flange of the I-steel of the girder to accomplish goods handling. The features with light structure and easy installation and maintenance, and is widely used in factories, warehouses and scrap yards. It is prohibited to use in the environment with inflammable, explosive and corrosive media. The span of it is 7.5~22.5m (design according to user's demand). The working duty is A3, and the operating ambient temperature is -25℃~40℃.

It has three operation modes: ground control with pendant button, wireless remote control and cabin control. The cabin control has two types: open cab and closed cab.

The travelling motor can be soft start motor and variable-frequency adjustable-speed motor according to user demand. The crane can start steadily and runs safely and reliably.



LDC型电动单梁起重机由钢板组焊成的箱型主梁、端梁、电动葫芦及运行机构组成，主梁下翼缘板（材质16Mn）作为电动葫芦运行轨道，完成物品的吊运工作。电动葫芦为低净空结构，可有效提升起升高度，适用于厂房低、起升高度要求高的场所。

LDC electric single-girder overhead crane is composed of box-shaped main girder weld by steel plates, end girder, electric hoist and travelling mechanism. The lower flange (material 16Mn) of the girder is the travelling orbit of electric hoist to accomplish goods handling. The electric hoist with low headroom structure can effectively increase the lifting height, so that it is applicable to the places where the workshop is low and the requirement of lifting height is high.



LX型电动单梁悬挂起重机由钢板与工字钢组焊成的主梁、端梁、电动葫芦及电动跑车组成，悬挂在厂房上部的工字梁轨道上，悬臂长度0.5~1m，电动葫芦沿主梁工字钢下翼缘运行，完成物品的吊运工作，具有结构轻巧、安装维护方便等特点，广泛应用于生产车间、仓库及货场等场所。跨度为3~16m（可根据用户要求进行非标设计），工作级别为A3，工作环境温度为-25℃~40℃。

LX electric single-girder suspension crane is composed of girder weld by steel plate and I-steel, end girder, electric hoist and electric driven cart. It can be hung on the I-beam track on the top of the workshop, with the cantilever of 0.5~1m long. The electric hoist runs along the lower flanges of the I-steel of the girder to accomplish goods handling, featuring dexterous structure and easy installation and maintenance. It is widely used for such places as workshops, warehouses and stock yards. The span of it is 3~16m (design according to user's demand). The working duty is A3, and the operating ambient temperature is -25℃~40℃.



LDP型电动单梁起重机

LDP ELECTRIC SINGLE-GIRDER OVERHEAD CRANE

LDP型电动单梁起重机属于超低净空轻小型起重机，电动葫芦位于主梁的一侧，增加了吊钩的工作空间，可以降低厂房高度和造价。适用于车间厂房净空高度较低的场所。

本产品由钢板组焊成的箱形主梁、端梁、小车及运行机构组成，小车由运行端梁、小车架及固定式电动葫芦组成，采用偏挂形式，在主梁一侧运行，葫芦位置由传统的主梁下提升到主梁上侧，有效提高了起升高度。

小车运行为锥型电机制动，开式齿轮传动。

主梁为箱型结构，偏轨，上、下设水平轮，安全可靠，并可防止啃轨。

大车运行采用分别驱动形式，锥型电机制动，开式齿轮传动。运行电机可根据用户要求选用软启动电机和变频调速，起重机启动平稳，运行安全可靠。

操作方式设有地面手柄、无线遥控和司机室三种操作形式。驾驶室有开式、闭式两种。

跨度为7.5~22.5m（可根据用户要求进行非标设计），工作级别为A3，工作环境温度为-25℃~40℃。



LDP electric single-girder crane is a small-size low headroom crane. The electric hoist is sitting at one side of main girder, which increases the hook lifting space and reduces the workshop height and cost. It is applicable to the places where the workshop's headroom is low.

The crane is composed of box-shaped girder weld by steel plates, end girder, trolley and travelling mechanism. The crab consists of traveling end girder, crab frame and fixed electric hoist. The crab is partially hung and runs at one side of the girder. The electric hoist is raised to the upside of the girder from the girder bottom, which effectively increasing the lifting height.

The crab travelling brake driven by cone motor and driven by exposed gear.

The main girder with box-shaped structure and bias rails, has horizontal wheels at the upper and the lower, so that it is safe and reliable and can avoid rail gnawing.

The long crane travelling adopts separate drive, conical motor brake and exposed gear drive. The travelling motor adopt soft start motor and variable-frequency adjustable-speed motor according to user requirements. The crane can start steadily and runs safely and reliably.

It has three operation modes: ground control with pendant button, wireless remote control and cabin control. The cabin control has two types: open cab and closed cab. The span of it is 7.5~22.5m (design according to user's demand). The working duty is A3, and the operating ambient temperature is -25℃~40℃.



LH型电动葫芦双梁起重机

LH LIGHT DUTY HOIST TYPE DOUBLE-GIRDER OVERHEAD CRANE



LH型电动葫芦双梁起重机由箱形桥架、大车运行机构、小车、电气设备四部分组成，采用固定式电动葫芦安装在小车架上作起升机构，小车运行采用LD型传动，大车运行分LD型传动和QD型传动两种。结构简便轻巧，具有整体高度小，自重轻等特点，适用于中小起重量范围内的厂矿、车间及仓库等工作场所。

操作方式设有地面手柄、无线遥控和司机室三种操作形式。驾驶室有开式、闭式两种。

LH TYPE crane with electric hoist consists of box-shaped bridge, trolley travelling mechanism, crab and electric equipment. Fixed type electric hoist mounted on crab frame as hoisting mechanism. The cross travelling adopts LD drive; long crane travelling adopts LD drive or QD drive. The structure is simple and convenient, features low entire height and light weight, applicable to operational sites of medium and small lifting load such as factories and mines, workshops and warehouses.

It has three operation modes: ground control with pendant button, wireless remote control and cabin control. The cabin control has two types: open cab and closed cab.



QD型电动双梁吊钩桥式起重机

QD HEAVY DUTY DOUBLE-GIRDER BRIDGE CRANE

QD型电动双梁吊钩桥式起重机是目前应用较为广泛的起重机械，其主要由箱形桥架、起重小车、大车运行机构和电气控制系统组成。取物装置是吊钩。

主梁上面铺设轨道，供起重小车沿主梁方向作横向移动。主梁与箱型端梁焊接而成，端梁中间布置有接头，螺栓连接，供桥架分拆运输。走台用来放置大车运行机构、电气设备及作检修用。

操作方式设有地面手柄、无线遥控和司机室三种操作形式。驾驶室有开式、闭式两种，内有可调式座椅，底板铺设绝缘垫，窗玻璃采用钢化玻璃，配有灭火器、电风扇，可根据用户要求配置冷暖空调、讯响器、对讲机等物品。

起重机可配挂马达抓斗、电磁吸盘等取物装置，满足吊运多种类型物料的需求。

本起重机工作级别A3~A7，常用起重量为3~250t。适宜在环境温度-10℃~40℃，相对湿度不大于85%的工厂、仓库及货场等处作装卸吊运工作，禁止在易燃、易爆以及充满腐蚀性气体的环境中工作。

QD TYPE heavy duty double-girder bridge crane is widely used handling machinery. It is mainly comprised of box-shape Bridge frame, crane crab, long crane travelling mechanism and electric control system. The load handling device is the hook.

On the girder laid rails for crane crab to transversely move. The girder is weld with the box-shaped end girder. At the middle of the end girder are joints which are fastened with bolts for fragmented transportation of bridges. The working platform is used to install trolley travelling mechanism, electric equipment and maintenance.

It has three operation modes: ground control with pendant button, wireless remote control and cabin control. The cabin control has two types: open cab and closed cab, inside cabin there are adjustable seat, insulating mat on the floor, tempered window glass, fire extinguisher, electric fan and auxiliary equipment such as air conditioner, acoustic alarm and interphone which can be furnished as user demand.

The crane can be furnished with load handling devices such as motor grab, electromagnetic chuck to meet the demand of handling varied types of materials.

The crane working duty is A3~A7, commonly lifting load of 3~250t, suitable to work in factories, warehouses and freight yards where the ambient temperature is -10℃~40℃ and the relative humidity is not more than 85%. It is prohibited to work in the environment with inflammable, explosive and corrosive gas.



QZ型电动抓斗桥式起重机

QZ ELECTRIC GRAB BRIDGE CRANE

QZ型电动抓斗桥式起重机主要由箱形桥架、抓斗小车、大车运行机构、司机室和电气控制系统组成。取物装置为能抓取散装物料的抓斗。

抓斗小车上开有开闭机构和起升机构，抓斗以四根钢丝绳分别悬挂在开闭机构和起升机构上。开闭机构驱动抓斗闭合，抓取物料，当斗口闭合后，立即开动起升机构，使四根钢丝绳平均受载进行起升工作。卸料时只开动开闭机构，斗口随即张开，倾斜物料。

本起重机除起升机构不同外，其余结构部分与吊钩桥式起重机基本相同。



QZ TYPE electric grab bridge crane is mainly comprised of box-shaped bridge, grab crab, trolley travelling mechanism, cab and electric control system. The load handling device is the grab which is able to capture bulk materials.

The grab crab has switching mechanism and lifting mechanism. The grabs are separately hung over the switching mechanism and lifting mechanism with four steel wire ropes. The switching mechanism drives the grab to close to grab materials. When the grab is closed, the lifting mechanism shall be started immediately to lift the four loaded ropes evenly. When discharging, just open the switching mechanism, grab opens and pour materials.

Except the lifting mechanism, the crane is basically the same as the bridge crane with hook.

QY型绝缘桥式起重机

QY ISOLATION OVERHEAD CRANE

QY型绝缘桥式起重机的结构形式与吊钩桥式起重机基本相同，只是为了防止在工作过程中，带电设备有可能通过被吊运的物件传到起重机上，危及司机的生命安全，故在吊钩组、小车架、小车轮（或者在小车轨道下）三个部位，设置了三道绝缘装置。绝缘材料多采用环氧酚醛玻璃布板。适用在冶炼铝、镁的工厂。



QY TYPE isolation overhead crane is basically the same as bridge crane with hook in terms of structural design. To avoid the charged equipment which may conduct electricity to the crane by lifting goods, cause danger to the crane driver, so insulation device is set on the hook group, crab frame, crab wheel (or under the crab rails). The insulation materials usually adopt epoxy novolac glass cloth board. The crane is applicable to aluminum and magnesium smelting factories.



QL型电动挂梁桥式起重机

QL ELECTRIC BRIDGE CRANE WITH CARRIER-BEAM

QL型挂梁桥式起重机适用于吊运较长的型钢、棒料、板材、废钢、盘圆等，吊钩和挂梁可拆连接，下面配置电磁吸盘或夹钳或特殊群钩进行吊装，挂梁布置形式分垂直于主梁或平行于主梁两种。

QL TYPE bridge crane with carrier-beam is applicable to hoisting long section steel, bars, plates, scrap steel, mill coil and so on. The hook and carrier-beam are releasable connection. They are furnished with electromagnetic chuck or clincher or special group hook underneath to hoist things. There are two layout forms of carrier-beam: vertical to the girder or horizontal to the girder.



旋转电磁挂梁桥式起重机 ROTATION ELECTROMAGNETIC CARRIER-BEAM BRIDGE CRANE



旋转吊钩桥式起重机
ROTATION HOOK BRIDGE CRANE



挠性电磁料耙桥式起重机
FLEXIBILITY ELECTROMAGNETIC CLAW BRIDGE CRANE

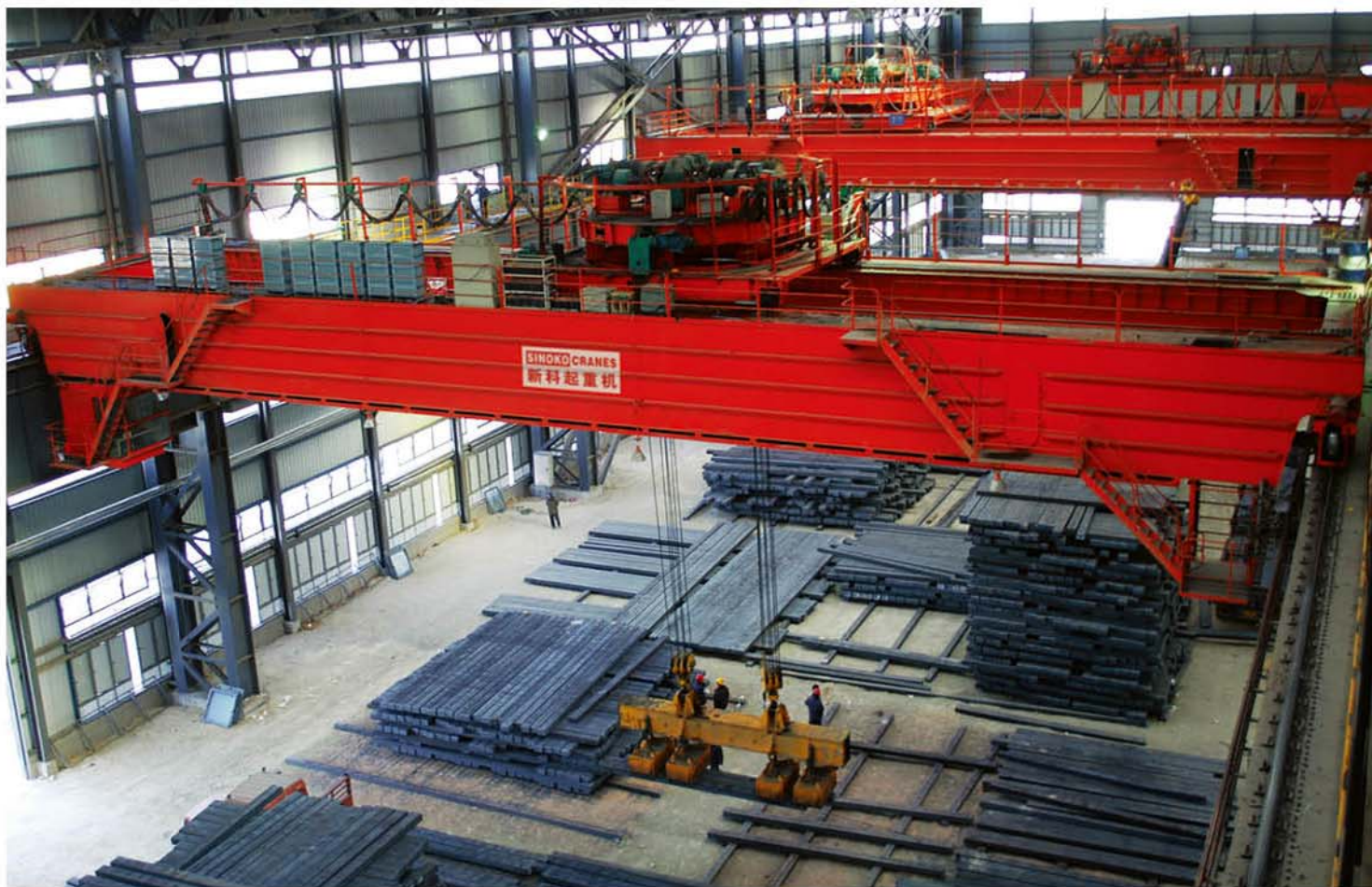


板坯搬运桥式起重机 BILLET HANDLING BRIDGE CRANE



YC型上旋转桥式起重机

YC UPPER ROTATION BRIDGE CRANE



本起重机主要采用挂梁吊运钢坯等长件物品，配置电磁吸盘进行吊装，由箱形桥架、起重小车、大车运行机构、司机室和电气控制系统组成，配有停电保磁系统。

主梁采用正轨箱型结构，上面铺设轨道，供起重小车沿主梁方向作横向移动。主梁与箱型端梁焊接而成，端梁中间布置有接头，螺栓连接，供桥架分拆运输。走台用来放置大车运行机构及作检修用，外侧设有防护栏杆。

起重小车由上、下小车组成，下小车为运行小车。上小车为旋转小车，布置有起升机构和旋转机构。上小车上设有回转用的环形轨道，配合水平轮，达到旋转长件物品的目的。

YC TYPE crane mainly employs hung girder to hoist long objects like billets, equipped with electromagnetic chuck to hoist. It is composed of box-shaped bridge, crane crab, trolley travelling mechanism, cab and electric control system. It is also equipped with backup magnetic system.

The main girder adopt middle-rail box girder, on which laid rails for crane crab to transversely move. The main girder is weld with the box-shaped end girder. At the middle of the end girder are joints fastened by high strength bolts for fragmented transportation. The walking platform is used to place long crane travelling mechanism, electric equipment and also maintaince. It is also furnished with protection railing by side.

The crane crab consists of upper crab and lower crab. The lower crab is travelling crab and the upper is rotating crab. They are equipped with hoisting mechanism and rotary mechanism, respectively. The upper crab is furnished with a circular track for rotating, which acts in concert with horizontal wheels to fulfill the purpose of rotating long piece objects..

YZ、QDY型铸造桥式起重机

YZ, QDY METALLURGY BRIDGE CRANE



YZ型铸造桥式起重机

YZ型铸造桥式起重机采用双梁单小车结构，主要由桥架、小车、吊钩梁、大车运行及电气部分组成，主钩取物装置为固定间距的吊钩梁，用来吊运钢水包，副钩用来与主钩配合以完成倾倒钢水、钢渣及其它辅助性吊运作业。

大车运行机构和主要电气设备均安装在主梁内，主梁电气室采用岩棉保温，内装有冷风机。为了减轻钢水对金属结构件的热辐射，在主梁底部沿跨度方向设有隔热板。

大车运行机构采用四角驱动形式。

起重机配有专用电子秤，在司机室内和桥架上均有明显的显示装置。主起升机构设有超速开关。

YZ TYPE METALLURGY BRIDGE CRANE

YZ metallurgy bridge crane adopts double-girder, single-crab structure, mainly composed of bridge, crab, ladle hook, long crane travelling mechanism and electric part. The main ladle hook connect with constant-spacing hook beam, as the load handling device to pick up steel ladle; the auxiliary hook help to accomplish pouring of molten steel and steel slag..

The long crane travelling mechanism and main electric equipment are installed inside the girder. Inside the main girder adopt rock wool for heat insulation, equipped with industrial cooling fan. To avoid molten steel heat radiation to steel structure, thermal board is installed along the main girder bottom.

The long crane travelling mechanism adopts four-corner drive type.

The crane is equipped with a special electronic scale, and there are display devices inside the cabin and on the bridge. The main hoisting mechanism is furnished with an over-speed switch.

QDY型吊运熔融金属用起重机

QDY型起重机是在QD型通用桥式起重机的基础上改进配置后，按照国家质量监督检验检疫总局下发的《关于冶金起重机械整治工作有关意见的通知》（质检办特〔2007〕375号）的规定和相关安全技术规范的要求设计制造。该设备工作级别为A7，起重量小于74t，主要适用于冶炼车间吊运熔融金属，由箱形桥架、起重小车、大车运行机构和电气控制系统组成。



QDY TYPE OVERHEAD CRANE FOR LIFTING MOLTEN METAL

QDY TYPE crane is designed based on improvements of QD overhead crane, according to the provisions of the Notice on Opinions of Renovation of Metallurgic Hoisting Machinery (ZJBT [2007] No. 375) issued by the State Administration for Quality Supervision and Inspection and Quarantine and relevant technical specifications. The crane working duty is A7, and lifting capacity less than 74t. It is mainly applicable to lift molten metal in smelting workshops; mainly composed of box-shape bridge, crane crab, long crane travelling mechanism and electric control system.

YZS型铸造桥式起重机

YZS TYPE FOUR GIRDER METALLURGY BRIDGE CRANE

铸造桥式起重机是钢厂冶炼车间的主要起重运输设备，用于冶炼过程中液态金属的转运、浇注及兑铁水等作业，YZS型采用主副双小车、四梁四轨结构，由桥架、主小车、副小车、吊钩梁、大车运行及电气部分组成，主小车在桥架外侧的主梁轨道上运行，副小车在桥架内侧的副梁轨道上运行，主小车取物装置为固定间距的吊钩梁，用来吊运钢水包，副小车取物装置为吊钩，在主小车下穿越运行，与主钩配合以完成倾倒钢水、钢渣及其它辅助性吊运作业。

大车运行机构和主要电气设备均安装在主梁内，主梁电气室采用岩棉保温，内装有冷风机。为了减轻钢水对金属结构件的热辐射，在主梁底部沿跨度方向设有隔热板。

大车运行机构采用四角驱动形式。

起重机配有专用电子秤，在司机室内和桥架上均有明显的显示装置。主起升机构设有超速开关。

YZS TYPE four girder metallurgy bridge cranes are the main handling equipment for smelting workshop, mainly used for transferring, pouring and hot metal charging of liquid metal in smelting process. YZS metallurgy bridge crane, adopts main crab and auxiliary crab, and four-girder and four-rail structure, is composed of bridge frame, main crab, auxiliary crab, lifting hook, long crane travelling mechanism and electric part. The main crab runs on the outboard main girder rail track, and the auxiliary crab runs on the inside main girder rail track. The main crab adopts ladle gantry hook to pick up steel ladle, and the auxiliary crab, the load handling device is hook, runs across under the main crab to accomplish pouring of molten steel and steel slag. Flexible balance the main hook & aux hook distance for accomplish the tapping.

The long crane travelling mechanism and main electric equipment are installed inside the girder. Inside the main girder adopt rock wool for heat insulation, equipped with industrial cooling fan. To avoid molten steel heat radiation to steel structure, thermal board is installed along the main girder bottom.

The long crane travelling mechanism adopts four-corner drive type.

The crane is equipped with a special electronic scale, and there are display devices inside the cabin and on the bridge. The main hoisting mechanism is furnished with an over-speed switch.



轨道式集装箱门式起重机 RAIL MOUNTED CONTAINER GANTRY CRANE

适用于国际标准集装箱的搬运及装卸，该集装箱龙门吊采用牵引小车形式，使整机结构轻便，性能先进，生产效率高，机动性好，对地面不平度敏感性小。整机采用电缆卷筒供电。

Applicable to handling, load and unload international standard size containers. Adopt trailer trolley type, whole mechanism smart with super performance, high efficiency, flexibility, sensitivity to ground roughness is small. The RMG crane is powered by cable drum.



集装箱跨式运输车
Cross Type Container Transfer Crane



轮胎集装箱门机
Tyre Type Container Gantry Crane

MG型双梁吊钩门式起重机

MG TYPE DOUBLE-BEAM GANTRY CRANE WITH HOOK

MG型双梁吊钩门式起重机主要由门架、起重小车、大车运行机构、司机室和电气控制系统组成。

门架为箱形结构，主梁采用双梁偏轨形式，支腿根据用户要求分A形和U形两种。

操作方式采用闭式司机室，内有可调式座椅，底板铺设绝缘垫，窗玻璃采用钢化玻璃，配有灭火器、电风扇，可根据用户要求配置冷暖空调、讯响器、对讲机等附属设备。



MG double-beam gantry crane with hook is composed of gantry, crane trolley, trolley traveling mechanism, cab and electric control system. The gantry is of a box-shape structure, the main girder is bias track double girder and the leg is divided into Type A and Type U according to user's requirements.

The closed cab is used for operation, in which there are adjustable seat, insulating mat on the floor, toughened glass for the window, fire extinguisher, electric fan and auxiliary equipment such as air conditioner, acoustic alarm and interphone which can be furnished as required by users.



MG型地铁施工门式起重机

MG TYPE GANTRY CRANE FOR SUBWAY CONSTRUCTION

MG型地铁施工用门式起重机是根据地下施工的使用要求及工况，在通用门式起重机的基础上研制出来的专用门吊，专用于地下施工时翻转倒土及吊运物品。

起重机由小车、门架、大车运行机构、液压翻转机构、司机室及电气设备组成。

小车上设有液压翻转机构，该机构由液压工作站和翻渣钩组成。

挂梁中间设有吊钩，用于吊运一般物件。

大车运行机构采用8轮4驱动形式。固定在台车上的电机通过立式减速器驱动车轮，并设有防风用夹轨器，起重机正常工作时，夹轨器的夹钳离开轨道，当起重机停止工作时，操作人员将夹钳放下，夹住轨道，防止起重机滑动。

倒土方向根据施工现场而定。



MG gantry crane for subway construction is a special gantry crane which is developed on the basis of general gantry crane according to the operating requirements and working conditions of underground construction.

The crane consists of trolley, gantry, trolley travelling mechanism, hydraulic turnover mechanism, cab and electric equipment.

On the trolley is furnished with a hydraulic turnover mechanism, which is composed of a hydraulic work station and a slag-turning hook.

At the middle of the carrier-beam is a hook, which is used to lift common load.

The trolley travelling mechanism is 4 drives in 8 wheels. The motor fixed on the trolley drives wheels by vertical speed reducer. A windproof rail clamp is equipped. It is detached from the rail when the crane is in normal operation, and when the crane stops working, the operator will put down the clamp to catch the rail so as to avoid the crane sliding.

The soil pouring direction depends on the construction site.



MG型双梁桁架门式起重机

MG TYPE DOUBLE-GIRDER TRUSS GANTRY CRANE

MG型双梁桁架门式起重机其主要由门架、起重小车、大车运行机构、司机室和电气控制系统组成。

门架为桁架结构，具有结构轻、抗风力强等优点。包括主梁、上端梁、支腿、下端梁、走行台车及走台栏杆等。主梁采用三角桁架结构，上面铺设轨道，供起重小车沿主梁方向作横向移动。支腿为桁架结构，由型钢组焊。走台用来放置电气设备及作检修用，外侧设有防护栏杆。

操作方式采用闭式司机室，内有可调式座椅，底板铺设绝缘垫，窗玻璃采用钢化玻璃，配有灭火器、电风扇，可根据用户要求配置冷暖空调、讯响器、对讲机等附属设备。



MG Double-beam truss gantry crane is comprised of gantry, crane trolley, trolley travelling mechanism, cab and electric control system.

The gantry, of a truss structure and having advantages of light structure, strong wind resistance and so on, is composed of girder, upper end girder, leg, lower end girder, travelling trolley and platform railing. The girder is of a triangular truss structure, on which laid rails for crane trolley to transversely move along the girder. The legs, of a truss structure, are weld by section steel. The platform, which is used to place electric equipment and used for repair, is furnished with protection railing outside.

The closed cab is employed for operation, where there are adjustable seat, insulating mat on the floor, toughened glass for the window, fire extinguisher, electric fan and auxiliary equipment such as air conditioner, acoustic alarm and interphone which can be furnished as required by users.



MG_G型路桥门式起重机

MG_G TYPE ROAD-BRIDGE CONSTRUCTION GANTRY CRANE

MG_G路桥门式起重机主要用于桥梁建设，工作速度慢，由门架、卷扬机小车、大车运行机构、司机室和电气控制系统组成。

门架为桁架结构，具有结构轻、抗风力强等优点。包括主梁、上端梁、支腿、下端梁、走行台车及走台栏杆等。主梁采用三角桁架结构，上面铺设轨道，供小车沿主梁方向作横向移动。支腿采用箱形或钢管两种形式。

小车上布置有卷扬机，体积紧凑，自重轻。

大车运行采用摆线针轮减速器，软启动电机，八轮四驱动，运行平稳。

操作方式采用闭式司机室，内有可调式座椅，底板铺设绝缘垫，窗玻璃采用钢化玻璃，配有灭火器、电风扇，可根据用户要求配置冷暖空调、讯响器、对讲机等附属设备。

MG_G road-bridge gantry crane is mainly used for bridge construction with slow speed. It is composed of gantry frame, winch trolley, long crane travelling mechanism, cab and electric control system.

The gantry, of a truss structure and having advantages of light structure, strong wind resistance and so on, is composed of girder, upper end girder, leg, lower end girder, travelling trolley and platform railing. The girder is of a triangular truss structure, on which laid rails for crane trolley to transversely move along the main girder. The legs are of a box structure or steel tube structure.

The trolley is equipped with windlass, which is compact in structure and light in dead weight.

The trolley travelling adopts cycloid gear speed reducer, soft start motor, 4 drive in 8 wheels, run steadily.

The closed cab is employed for operation, where there are adjustable seat, insulating mat on the floor, toughened glass for the window, fire extinguisher, electric fan and auxiliary equipment such as air conditioner, acoustic alarm and interphone which can be furnished as required by users.





ME型造船门式起重机

ME TYPE SHIPBUILDING GANTRY CRANE

ME型造船门式起重机是一种大起重量、大跨度、大起升高度的门式起重机，专用于船坞进行大型船体分段运输、对接及翻转作业。

主要技术特点：

具有单吊、抬吊、空中翻转、空中水平微转等多种功能；
• 门架有单主梁型和双主梁型两种，为合理使用材料，主梁采用变截面优化设计；
• 上小车设有双主钩，分别置于主梁两外侧；
• 下小车设有主、副两钩，置于两主梁中心；
• 上、下小车可以相互穿越作业；
• 所有工作机构均采用变频调速；
• 刚性支腿侧主梁顶面设有旋臂起重机，以完成上、下小车的维修作业；
• 为防止暴风袭击，设有安全可靠的夹轨器、地锚等防风装置。



ME shipbuilding gantry crane, heavy lifting load, larger span and high lifting height, special for fragmented transport, end-to-end joint and turning operation of large ship.

Main technical characteristics:

It have multiple functions of single hook lifting, double hook hoisting, turnover, slight horizontal turnover etc.

The gantry frame includes two types: single girder and double girder. To max utilize materials, the girder adopts optimum design of variable section;

The upper trolley has two main hooks, which are separately fixed at the outside of the girder.

The lower trolley has a main hook and a secondary hook, which are fixed between the two main girders;

The upper trolley and the lower trolley can cross each other while in operation.

All mechanisms are controlled by frequency converters.

On top of the main girder of rigid leg side, equipped jib crane to accomplish maintenance of upper and lower trolleys.

To prevent storm attack, also equipped safe and reliable anti-wind devices such as rail clamp and ground anchor.



L型门式起重机 L TYPE GANTRY CRANE

L型门式起重机主要由门架、起重小车、大车运行机构、司机室和电气控制系统组成。

门架为箱形结构，起重量20t以下时小车采用垂直反滚轮式，大于20t时小车采用水平反滚轮式，在主梁一侧运行。主梁采用单梁偏轨形式，支腿为L形，吊运空间大，过跨能力强，便于将物件从跨内转运到悬臂下。

操作方式采用闭式司机室，内有可调式座椅，底板铺设绝缘垫，窗玻璃采用钢化玻璃，配有灭火器、电风扇，可根据用户要求配置冷暖空调、讯响器、对讲机等附属设备。



L gantry crane is mainly composed of gantry frame, lifting trolley, long crane travelling mechanism, cab and electric control system.

The gantry frame is in box-shape structure. The trolley adopts vertical reaction wheel when the lifting load is below 20t, and horizontal reaction wheel when above 20t to run at the girder side. The girder is of single-girder bias track and the leg is L-shaped, with large lifting space, L type make the lifting long piece objects cross over cantilever side from inner span easily.

The closed cab is used for operation, where there are adjustable seat, insulating mat on the floor, toughened glass for the window, fire extinguisher, electric fan and auxiliary equipment such as air conditioner, acoustic alarm and interphone which can be furnished as required by users.



» MH型电动葫芦门式起重机

MH TYPE GANTRY CRANE WITH ELECTRIC HOIST

MH型电动葫芦门式起重机是有轨运行的中小型起重设备，主要由门架（主梁、支腿、下横梁等）、起升机构、运行机构及电控部分组成，以电动葫芦作为起升机构，工作时沿主梁工字钢下翼缘运行。门架结构分箱形和桁架两种，箱形工艺好，制作方便；桁架自重轻，抗风能力强。整机具有自重轻、结构简单、安装维修方便等特点，适用于中小起重重量范围内的厂矿、货场及仓库等室外场所作一般装卸吊运工作，禁止在有易燃、易爆及充满腐蚀性气体的环境中工作。

操作方式设有地面手柄、无线遥控和司机室等三种操作形式。



MH gantry crane with electric hoist is small-medium type lifting equipment which runs at rails. It is mainly composed of gantry frame (girder, leg, ground cross beam, etc.), hoisting mechanism, travelling mechanism and electric control part. The electric hoist is hoisting mechanism; it runs along the lower flange of the I-steel of the girder. The gantry frame includes box-shape structure and truss structure. Box shaping and easy fabrication, with light trussed frame and strong in wind resistance. Light dead weight, simple structure and easy installation and maintenance, so it is applicable to outdoor operational sites of small-medium lifting load for general handling such as factories and mines, freight yards and warehouses. It is prohibited to operate in the environment with inflammable, explosive and corrosive gas.

It has three operation modes: ground pendent with press button, wireless remote control and cabin control.



» MGB、MB型半门式起重机

MGB, MB TYPE SEMI-GANTRY CRANE



MGB型双主梁吊钩半门式起重机

双主梁吊钩半门式起重机主要由门架、起重小车、大车运行机构和电气控制系统组成。

门架为箱形结构，一侧设有支腿，沿地面轨道上运行，另一侧无支腿，沿厂房上部轨道运行。

操作方式采用闭式司机室，内有可调式座椅，底板铺设绝缘垫，窗玻璃采用钢化玻璃，配有灭火器、电风扇，可根据用户要求配置冷暖空调、讯响器、对讲机等物品。

其余结构和配置与MG型双主梁门式起重机一致。

MGB double-girder semi-gantry crane with hook

The double-girder semi-gantry crane with hook is mainly composed of gantry frame, crane trolley, long crane travelling mechanism and electric control system.

The gantry frame with box-shape structure, equipped leg at one side and runs along the ground rails, no leg at the other side and runs along upper rails of workshop.

The closed cab is adopt for operation, where there are adjustable seat, insulating mat on the floor, toughened glass for the window, fire extinguisher, electric fan and auxiliary equipment such as air conditioner, acoustic alarm and interphone which can be furnished as required by users.

The rest structure and configuration are same as the MG double-girder gantry crane.



MB型电动葫芦半门式起重机

电动葫芦半门式起重机是有轨运行的中小型起重设备，主要由门架（主梁、支腿、下横梁等）、起升机构、运行机构及电控部分组成，以电动葫芦作为起升机构，工作时沿主梁工字钢下翼缘运行。门架一侧设有支腿，沿地面轨道上运行，另一侧无支腿，沿厂房上部轨道运行，其余结构和配置与MH型电动葫芦门式起重机一致。

MB semi-gantry crane with electric hoist

The semi-gantry electric hoist crane, a type of small-medium type lifting equipment which runs along rails, mainly composed of gantry frame (girder, leg, ground cross beam etc.), hoisting mechanism, travelling mechanism and electric control part. With the electric hoist as hoisting mechanism, it runs along the lower flange of the I-steel of the girder. The gantry frame one side equipped runs along the ground rails, no leg at the other side which runs along the upper rails of workshop. The rest structure and configuration are the same as the MH gantry crane with electric hoist.

» 特殊起重设备 SPECIAL LIFTING EQUIPMENT

揭盖机

COVER-LIFTING CRANE

与有色金属冶金和铝加工行业熔炼炉配套使用，是开启炉盖的专用设备。依据现场工况，可选用桥式、门式、半门等结构形式，起升可采用钢丝绳缠绕起升、液压缸起升，采用三合一减速机运行机构，高效可靠。

Applicable for non-ferrous metal metallurgy and aluminum processing industry smelting furnace, it is special equipment to open the cover. According to the site conditions, there are choice of bridge, gantry, semi-gantry and other structural forms. Lifting mechanism uses winding rope and hydraulic cylinder to lift. Travelling mechanism use three-in-one gear motor, efficient and reliable.



送料车

CHARGING TROLLEY

将有色金属、铝带卷、铝箔卷送进、取出加热炉和退火炉，可单向或双向运动，以倾斜起升或垂直起升的方式实现物料输送，是有色金属、铝业公司、铝箔公司的专用设备。

It is used to charge or discharge non-ferrous metals, aluminum coil, aluminum foil coil from heating furnace and annealing furnace. It can move single or double way. The lifting direction can be inclined or vertical to convey the materials. It is the special equipment for non-ferrous metals, aluminum coil, aluminum foil coil factories.



» 特殊起重设备 SPECIAL LIFTING EQUIPMENT

堆垛起重机

STACKING CRANE

焙烧炉碳块运送，焙烧料箱布料及取料，通过PLC可编程控制器实现，整体式的结构，强度更高，寿命更长。

This type crane is used to convey carbon block for roasting furnace and discharge material from roasting containers. With PLC controller, complete mechanism, higher rigidity, long service life.



多功能起重機 MULTI-FUNCTION CRANE



» 特殊起重设备 SPECIAL LIFTING EQUIPMENT

磁力垛板机 MAGNET PLATE-STACKING CRANE



铝锭吊运机 ALUMINIUM INGOT CRANE

铝锭吊运机是通过特殊夹具机构开合实现对不同规格的铝锭进行起升、转运的专用起重设备，结构紧凑，定位准确，操作方便，性能可靠，运行及制动平稳，噪音小。加装翻转机构可实现铝锭的翻转吊运（铝锭翻转吊运机）。

Aluminum ingot crane has a special clamp mechanism to lift and transport different size of ingots. It has advantages of tight structure, precise positioning, easy operation, reliable performance, steady travelling and braking, low noise. With additional turnover mechanism, it can change the ingot direction.



特殊起重设备 SPECIAL LIFTING EQUIPMENT



真空吸盘吊运系统

VACUUM SUCKER LIFTING SYSTEM

国际领先的搬运理念，采用真空吸盘系统，利用真空负压吸附原理对高温、易碎、易变形，非磁性不易搬运的板材进行吊装运输。

四点悬吊式同步起升，安全可靠性极高。

大容量蓄能罐可轻松应对停电等突发险情。

It is a leading material handling solution. It uses vacuum sucker system through vacuum negative-pressure to handle materials of high temperature, fragile, easy deformation, nonmagnetic.

The lifting mechanism has four lifting points with synchronic movement, extremely high safety and reliability.

The large capacity standby battery is used for unexpected power shut.



坝顶门机

DAM TOP GANTRY CRANE

坝顶门机主要用来吊运和启闭闸门，也可进行安装作业。起重量达80~500吨。

Dam gantry crane is mainly used for lifting gate and closing, also for installing equipments. Max lifting capacity can be 80~500ton.





其它路桥设备

OTHER ROAD AND BRIDGE CONSTRUCTION EQUIPMENT



移动模架 BRIDGE ERECTING CRANE



钢挂篮 HANGING BASKET CONSTRUCTION CRANE



隧道台车 TUNNEL CRANE



轮胎式提梁机 TYRE BEAM CARRIER CRANE

新式轮胎运梁平车

NEW TYPE BEAM CARRIER



悬臂吊 JIB CRANE



墙壁吊 WALL MOUNTED CRANE



吸盘系列 ELECTROMAGNET SERIES

废钢类起重电磁铁
Lifting Electromagnet For Steel Scrap



方坯、梁坯、板坯吊运用电磁铁
Lifting Electromagnet for Billet, Girder Billet and Slab



高速线材（盘圆）专用型起重电磁铁
Lifting Electromagnet for High Speed Wire (Coiled Bar)



捆扎螺纹钢、型钢专用起重电磁铁
Lifting Electromagnet for Bundled Rebar and Profiled Steel



抓斗系列 GRAB SERIES



电动液压多瓣抓斗
Electric-hydraulic Peel Grab



电动液压多瓣抓斗
Electric-hydraulic Peel Grab



双锁多瓣散料抓斗
Double-lock Peel Bulk Material Grab



多瓣抓斗
Orange-Peel Bucket



液压抓斗
Hydraulic Grab



电动不锈钢四瓣抓斗
Electric SS Four Peel Grab



单轨抓斗
Monorail Grab



四绳抓斗
Four Rope Grab



单绳抓斗
Single Rope Grab



派拿抓斗
Mechanic Grab



马达抓斗
Motor Grab

吊具系列

SLING SERIES



立吊板卷吊钳
Vertical plate roll crane clamp



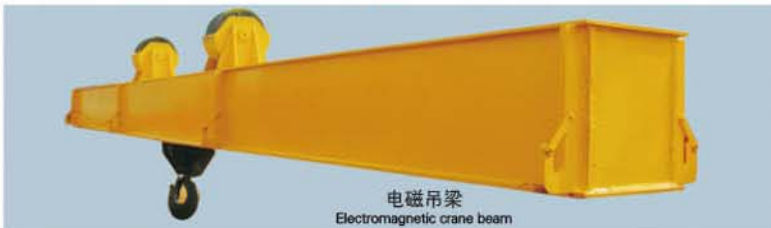
电动平移板卷吊具
Electric translation board lifting grab



C型吊钩
C type hook



方坯夹钳
Billet clamp



电磁吊梁
Electromagnetic crane beam



圆柱内圆撑吊具
In the test round cylindrical rose sling



板卷吊钩
Board volume hook



钢管夹具
Steel tube fixture



圆形棒管材吊钳
Round pipe hanging bar clamp



方坯C型三联吊钩
Billet C sanlian hook



起重机配件 CRANE FITTINGS



联轴器
Coupling



跨跑车
Trolley



缓冲器
Buffer



遥控器
Remote



车轮组
Wheels



盘式制动器
Disc Brake



无缝滑触线
Seamless Bus Bar



减速机
Reducer



变速箱
Gear Box



拖缆跑车
Cable Trolley



拖缆跑车
Cable Trolley



双梁超载限位报警传感器
Overload Limit Sensor



电机
Motor



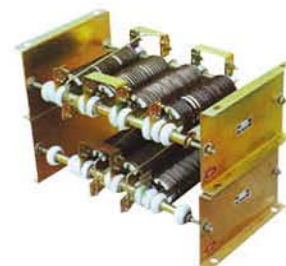
防爆电器
Explosion Proof Electrics



滑触线
Bus Bar



集电器
Current Collector



电阻器
Resistor

领先中国 · 比肩世界

LEADING CHINA

SHOULDER THE WORLD

新科人将以“跨越巅峰，志在超越”的企业理念，打造具有国际水平的现代化企业，实行一流管理、制造一流产品，竭诚与您携手合作，实现利益双赢。





新科起重

LEADING CRANE MANUFACTURER

Focus On Crane Technology Development

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