

中高端起重机解决方案提供商、服务商



SMART CRANE
智慧型起重机

韵道机械工程(上海)有限公司

YUNDEL MACHINERY ENGINEERING(SHANGHAI)CO.,LTD

地址: 上海市嘉定区临泽路88弄6#402

Buiness Add:Room402,No.88 Linze Rd,

Jiading District,Shanghai,China

Tel:021-5955 8856/6199 9962

Fax:021-5955 8856*8008

Http://www.yudel.net

YUNDEL
韵道机械

韵筹帷幄，道胜千里

韵道机械工程(上海)有限公司

YUNDEL MACHINERY ENGINEERING(SHANGHAI)CO.,LTD



安 全 第 一

安 全 第 一

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安 全

给您安全、坚固、耐用、持久、高效率、五星级品质起重机
Give you safe, solid, durable, long-lasting, high efficiency and five-star quality crane



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企业简介

company introduction

韵道机械(上海)有限公司, 创立于2007年, 公司位于交通便利的长三角中心上海嘉定区。

韵道机械(上海)有限公司的标准系列起重机产品源自欧洲先进技术、服务全球高端客户。我们为国内外顶级优秀企业客户提供专业专注的物料提升搬运工程的品质服务、工程咨询、设备规划、整体物料的系统工程解决方案。我们凭借优秀的销售团队、先进的技术、专业的服务和国际顶尖企业的支持, 我们将立志成为一流的物料提升输送综合服务商与供应商。

我们所提供起重机的核心零部件均由采用世界一流起重机公司设计、制造的先进的提升行走部件。拥有专业的技术人员, 配备完善的制造设备; 韵道标准起重机以及各种非标准起重机以优良的产品性能为高端机械制造、新材料、科研院所、电力、钢铁、造纸、汽车、环保行业的客户提供了满意的服务。采用欧洲技术设计的起重机可以将起重机自身重量减少至国内普通起重机70%, 并能适应各种繁重工种和环境的操作。起重机工程配套低净空葫芦单、双梁目前是国内最低自身净高的起重机, 可以为用户提供最大的有效空间并减少厂房建筑费用。通过计算机的最优化设计和元件选用, 我们确信韵道完全能够提供正确尺寸, 有效和安全操作的起重机。质优, 独特及先进的解决方法使韵道永远处于起重机技术发展的领先地位。

公司拥有一支高素质的工程技术队伍和完备的技术管理方式和生产、检测设备。确保产品以高科技、高品质、优服务, 增强顾客满意, 以良心智造、成就客户、造福客户企业、造福社会为企业纲领, 以安全、坚固、耐用、持久、高效率、五星级标准为企业定位, 以坚决不做低端、假货、仿冒, 假一赔百、给客户绝对保证为企业使命。

Yudel Mechanical Engineering (Shanghai) Co., Ltd., founded in 2007, the company conveniently located in the Yangtze River Delta Shanghai Jiading District.

Yudel Mechanical Engineering (Shanghai) Co., Ltd Standard Series crane products from European advanced technology, services, global high-end customers. Our top international outstanding enterprises dedicated to provide professional engineering materials to enhance the quality of transport services, engineering consulting, equipment planning, the overall material systems engineering solutions. With our excellent sales team, advanced technology, professional services and top international business support, we will be determined to become a first-class materials to enhance integrated service delivery and suppliers.

We provide the core components of cranes crane by using world-class companies (KITO / DEMAG / ITS) design and manufacture of advanced components to enhance the walking. Professional and technical personnel, equipped manufacturing equipment; Yudel standard cranes and a variety of non-standard crane with excellent performance for high-end machinery manufacturing, new materials, research institutes, electricity, steel, paper, automotive, environmental protection industry offers customers a satisfactory service. Adoption of the European technical design of the crane can be reduced to the weight of the crane itself 70% of the ordinary domestic crane, and can adapt to various types of heavy and environmental operations. Crane engineering supporting low headroom hoist single, double beam current is the minimum clear height of the crane itself, can provide users with the largest available space and reduce plant construction costs. Through computer optimized design and component selection, we are convinced Yudel fully able to provide the correct size, effective and safe operation of the crane. High quality, unique and advanced solutions to make rhyme crane technology development road is always in the leading position.

The company has a highly qualified engineering team and complete technical management and production and testing equipment. Ensure high-tech, high-quality, excellent service, enhance customer satisfaction, conscience wisdom made, customer success, for the benefit of client companies the benefit of society as a corporate program, in a safe, strong, durable, long-lasting, high-efficiency, five-star standard for corporate positioning, determined not to low, fake, fake, fake a lose one hundred, give customers an absolute guarantee for the enterprise mission.

经营理念:

◆ 诚信为本, 服务至上, 精进卓越, 亲和共生。

Management Philosophy:

Integrity-based, service first, strives for excellence, affinity symbiosis

服务理念:

◆ 顾客的满意就是我们的价值。

◆ 专业化, 规范化, 精细化, 亲情化。

Service concept:

Customer satisfaction is our value

Specialization, standardization, elaboration, affection

以人为本理念:

◆ 尊重人格, 客观公正, 严格督导, 规范提升。

Human-oriented concept:

Respect for human dignity, objective and fair, supervision strictly, promotion

奋斗理念:

◆ 少年子弟江湖老, 事非亲历不知难。

◆ 失意不失心, 得意不忘形。

Struggle concept:

The young generation step into the business, we will know the toughness of the business by our experience. Being frustrated, we won't lose our confidence, being successful, we won't be arrogant.

敬业理念:

◆ 感恩、认真、积极、协作

Profession philosophy:

Gratitude, earnest, positive, cooperation

科技知识理念:

◆ 知识以应用为本, 科技以实用为根。

Science and technology philosophy:

We take the knowledge as the base, the science and technology as the root

市场竞争理念:

◆ 固本培元, 保护自我, 提升优势, 赢得成功。

Marketing competition philosophy:

Consolidate the base, protect ourselves, improve the strength to win the success

变革创新理念:

◆ 目光长远, 立足现实, 科学内省, 标本兼治。

The transformation and innovation philosophy:

Long-term sight, based on the reality, self-examination, resolve the current problems and eliminate the root cause

学习进步理念:

◆ 超越自己的过去, 超越顾客的期望, 超越竞争对手的步伐。

◆ 积小流可以成江海。

Learn the innovative philosophy:

Exceed our past, exceed the customer's expectation, exceed the steps of our competitor. Small streams flow into a mighty torrent

理想与事业理念:

◆ 志存高远、目标明确、正直诚信、积极进取、主动承担、认真勤勉、坚忍不拔、坚持不懈。

◆ 人生之大病, 不在无用, 而在无明; 事业之成功, 不在学历, 而在学力。

Dream and career philosophy:

High aspirations, clear target, integrity and honesty, aggressiveness, initiative to undertake, diligently, perseverance, perseverance

The serious illness of life, is not useless, is ignorance; cause of success, not, and in education is the learning ability



工程案例 Engineering Case



工程案例 Engineering Case



工程案例 Engineering Case



工程案例 Engineering Case



工程案例 Engineering Case



工程案例 Engineering Case



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韵道产品特点

YUNDEL Product features

五星级制造商

韵道根据客户的厂房大小及客户产品输送要求，严把生产质量关。对应用类型、起升速度、控制方法及附加功能，我们给客户提供更多的选择，严格按照各项操作及环境要求，为您量身定制一个五星级产品

五星级解决商

韵道拥有丰富的经验和专业的技术，可以解决客户特殊的物料输送要求。根据客户在各个工业领域不同的需求，运用专业的软件设计，在最短时间内提供给客户详细全面的技术资料图纸及相关有依据性、合理性的报价。韵道公司向顾客郑重承诺：提供五星级的设计方案、五星级的制造效率及五星级的安装技术。让客户感受五星级起重机带来的与众不同

五星级服务商

韵道公司拥有完善的售后维修保养服务。能够在提高客户在安全第一、工作效率第一的同时为客户带来实际的效益。让客户买的放心，用的舒心！

五星级起重机

韵道制造的起重机融合了世界上最先进的改革创新设计，已在关键部件大车台车上获得国家发明专利。其起重机外形尺寸小、自重轻、结构设计紧凑，有效的节约了厂房的空间。在充分融入工程学设计后，使装载变得更加快捷、高效。韵道提供五星级的制造与服务，使起重机给客户带来丰厚的回报。

A Five-star Manufacturer

YUNDEL promises to guarantee the quality according to the customer's plant size and delivery requirements, More choices are given on application types, lifting speeds, controlling means and additional functions, and so on. Tailored for you a five-star product in strict accordance with the operation and environmental requirements

A five-star Solution provider

With rich experience and professional technology, YUNDEL can meet customer's special requirements of material transportation. According to the different needs of customers in various industrial areas, the use of professional software design in the shortest possible time to provide customers with a detailed and comprehensive technical information drawings and related basis of reasonable offer.

YUNDEL steel company to customer solemnly promises: provide five star design scheme, Five-star manufacturing efficiency and five-star installation technology, Let the customer feel five-star crane brings different

A Five-star facilitator

YUNDEL offers an excellent after-sales service to guarantee the safety and efficiency, brings the customers practical benefits.

cranes with high quality

YUNDEL crane combines the world's most innovative design, has obtained the national invention patent in the key components such as crane bridges and trolleys. The dimensions of the crane are small, light weight, compact design, effective conservation of plant space. Fully integrated into the engineering design makes loading faster and more efficiently. YUNDEL provides five-star products and services, and brings in huge returns to the user.



韵道起重机



PK



低端起重机

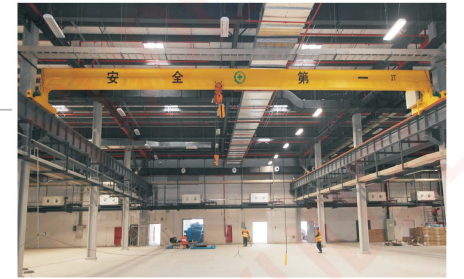
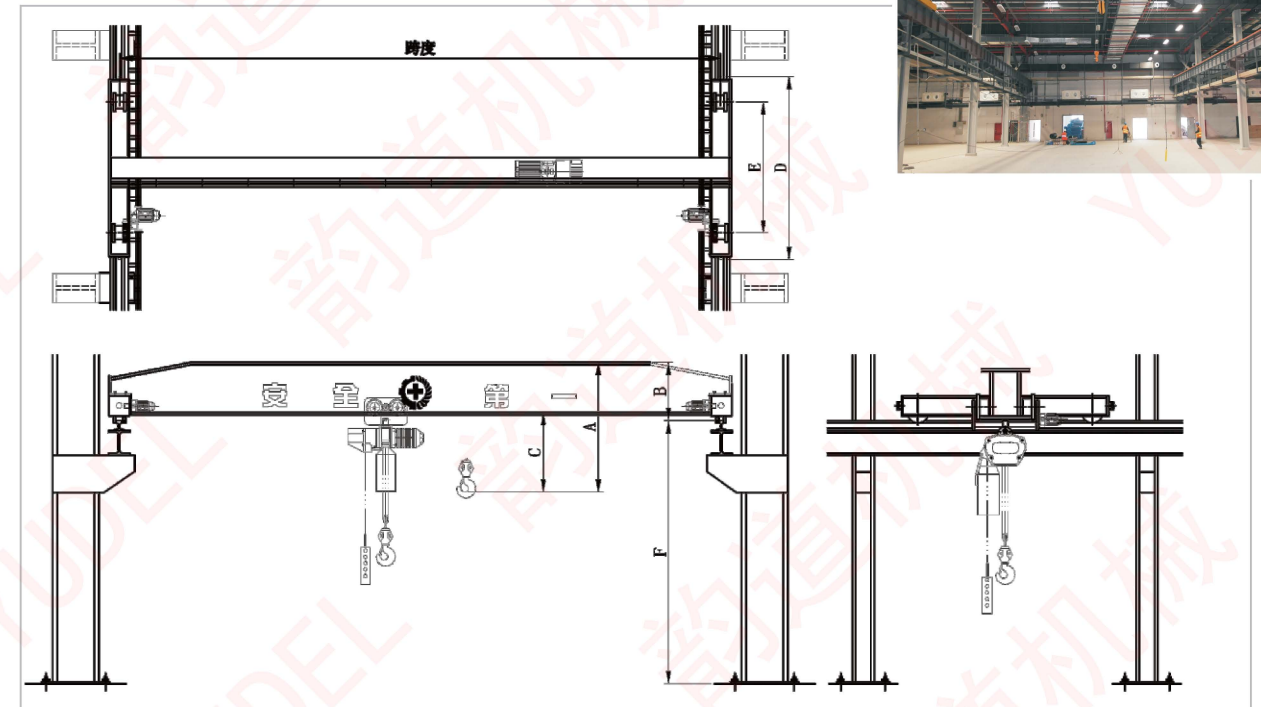
低端起重机与高端起重机 low-end crane and high-end crane

	内容 Content	国产起重机 Domestic crane	韵道起重机 YUNDEL crane
1	自重 Weight	沿袭五六十年代苏联起重机设计模式，安全系数选取过大，一般不采用计算机有限元优化设计，体积庞大，笨重。 Followed the fifties and sixties Soviet crane design mode, the security system is too large, and generally do not use a computer finite element optimization design, bulky, cumbersome	整体及各元部件均采用全方位的计算机优化设计，在确保机械强度、刚度、稳定性、安全性的前提下，最大限度减少起重机自重 The overall level of each component adopts all-around computer optimized design; Ensure the mechanical strength, rigidity, stability and safety to reduce the weight of crane.
2	轮压 Whee pressure	轮压很大，对厂房结构要求高 Wheel pressure is very big and high requirements for factory building structure	因为轮压小，所以降低对厂房结构（轨道、承轨梁、牛腿）的压力 Because of small wheel pressure, the factory building structure (rail, bearing rolling beam, bracket) pressure is reduced.
3	起升机构 Hoisting mechanism	采用开放式卷扬机结构，电动机、减速机、制动器各自独立，体积庞大，需经常维护，经常加润滑油 Due to the open structure of windlass, independent motor, reducer and brake, need to be often oil lubricated and its volume is huge.	起升机构结构紧凑、小巧、维护成本低、安全性能高。钢丝绳葫芦起身钢丝绳采用防扭转钢丝绳 Hoisting machine has the advantages of compact structure, compact, low maintenance cost and high safety performance. Wire rope hoist' s rope is anti-torsion one.
4	速度 Speed	一般为单速，为了定位准确 Generally single speed for accurate positioning	速度变频控制 Speed converter control
5	自身高度 own eight	自身高度尺寸大，使得厂房整体升高，增加建筑成本。 Big own height requires workshop whole rising, increasing construction cost.	韵道起重机能最大限度降低厂房高度。对于现有厂房如果上下空间有限，或遇到难以绕开的障碍物，豪钢起重机有得天独厚的优势 YUNDEL crane can minimize the height of the workshop. The crane has exceptional advantage if the existing plant' s space is limited, or has a obstacles which is difficult to steer.
6	工作盲区 blind zone of work	小车起升机构距厂房侧面的距离过大，工作盲区极大 Trolley lifting machine is far from plant' s side, which gives rise to large working blind zone.	小车采用紧凑型设计，吊钩至大车轨道中心距离很小，工作盲区单边小于国产起重机500-1500mm Due to trolley' s compact design, the distance between hook and cart is very small, working blind zone' s side is 500-1500 mm less than domestic crane' s.
7	主端梁连接 Primary end beam connection	多为焊接连接，易产生焊接变形 Most is welding connection, which causes welding deformation easily.	高强度螺栓连接，无变形，拆装方便； Using high-strength bolt connection makes no deformation and easy disassembly and assembly.
8	减速器 decelerator	减速箱体积庞大，齿间隙较大，起制动易冲击，噪音大，需经常维护，易漏油 Bulky gear box; big gear' s gap; easy braking impact, big noise, frequent maintenance, easy leakage	高强度轧齿齿轮、高精密齿轮箱，噪音低，使用寿命内不需换油，免维护。 High-strength rolled gear, high-precision gear box, low noise and no need to change oil in lifetime, free maintenance.
9	钢丝绳 Wire Rope	有僵性、寿命短，多位麻芯，直径大 Stiff resistance, short life, a number of hemp core diameter	高强度钢芯钢丝绳，防打抗，同样直径钢丝绳破断拉力为国产钢丝绳1.3-1.5倍 High-strength steel wire rope, anti-disturb, the same diameter of breaking force of rope is 1.3-1.5 times than the domestic wire' s
10	上下限位 Up and down limit device	老式断路器限位，没有计数功能，调整上下限位不方便，定位不够精确，没有中间级限位功能 Old-fashioned heavy axle limiter has no counting function. Adjust the upper and lower limit inconveniently, its positioning is not precise enough and no the middle-class limit function	重复精度为正负2度，并有自动计数器，可帮助用户监控起升机构的检修间隔时间。使用一把螺丝刀即可方便地调整上下限位。 Repeat accuracy of plus or minus 2 degrees, and automatic counter, can help the user to monitor the maintenance interval hoisting mechanism. And using a screwdriver to adjust the upper and lower limit can be easily
11	过载保护 Overload protection	过载限制器灵敏度偏低 Overload limiter sensitivity is low	200万次工作循环后最大误差为正负2.5%，分机械式与电子式两种。另外电子式超载限制器还可以累加和用光电显示载荷系数。 million cycles, the maximum error of plus or minus is2.5% points of both mechanical and electronic. Electronic overload limiter can also accumulate and display photoelectric load factor.

起重机系列 Crane Series



单梁桥式起重机 Single-girder overhead travelling crane



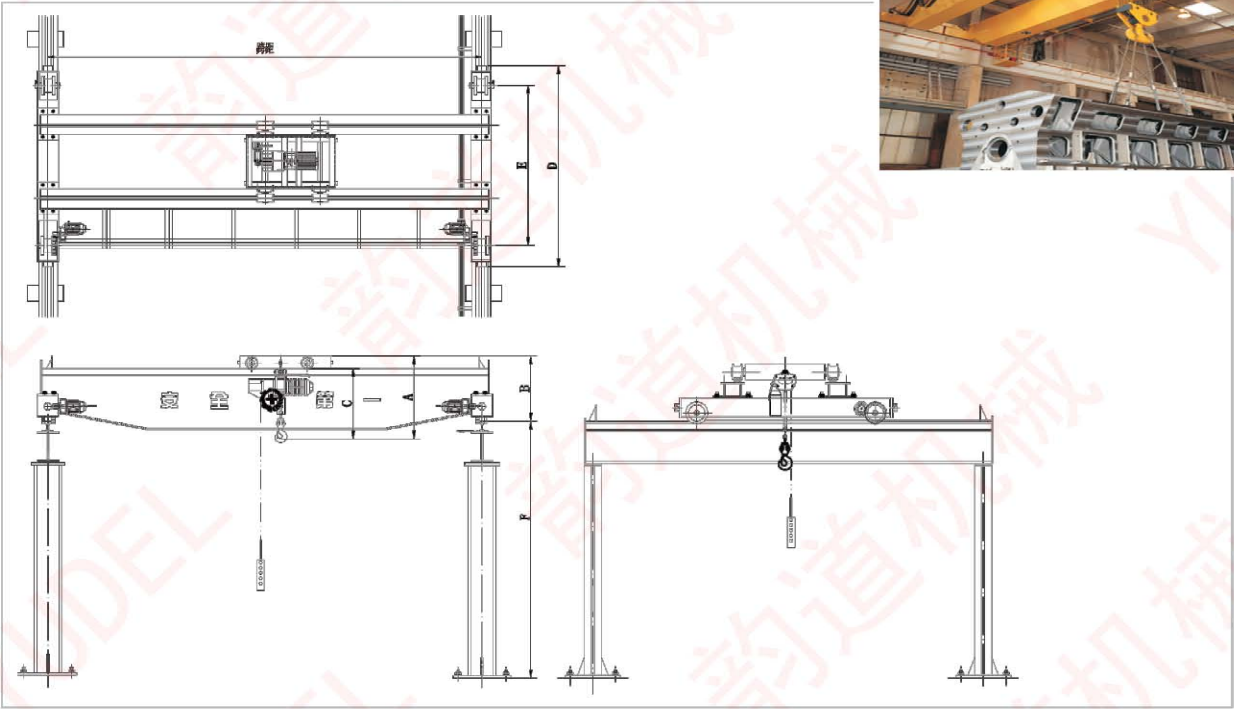
技术参数表 Technical reference table

起重量 SWL (kg)	跨度 Span (m)	起升高 度 Hol(m)	工作级 别 Duty	起升速 度 Hoist Speed (m/min)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)	最大轮 压 Wheel LOAD (KN)	推荐大 车轨道 Run Way (m)	整车功 率 Power (Kw)	整车自 重 Weight (Kg)
2000	6	6	A5/2 m	0.7- 8.2	850	650	366	1680	1400	6205	749	800	770	12.4	P9	2.7	990
	9													14			1340
	12									6173	779		440	15.6	P12		1670
	15				930	680		2080	1800		863			17	P9		2210
	18				1050	760		2500	2200			540	460	18.5			2750
5000	21	6	A5/2 m	0.7- 8.2	1130	980	440	3430	3100	6144	1082	800		21.3			3840
	6				900	680	418	1700	1400	6219	785	900	870	25.9	P38		1280
	9					690				6217	787			28.5			1680
	12				980	770		2100	1800	6217	867			30.9			2180
	15				990	880		2530	2200	6112	982			33.5		5.5	3130
10000	18	9	A5/2 m	0.3- 3.3	1110	1000		3030	2700	6112	1096	620	610	35.8	P15	5.8	3970
	21				1300	1120	480	3460	3100	6176	1222			38.3	P36		4910
	6				1020	850	530	2190	1800	9164	952	1080	1080	47.1	P15		2000
	9				1100	930					1034			51.9		10.6	2520
	12				1220	1060				9159	1157			56	P38		3440
	15				1350	1190		2680	2200		1291			59.4			4100
	18				1470	1300		3120	2700	9169	1399	850	850	63.4		10.9	5490
	21				1590	1420		3520	3100		1519			66.3	P43		6500

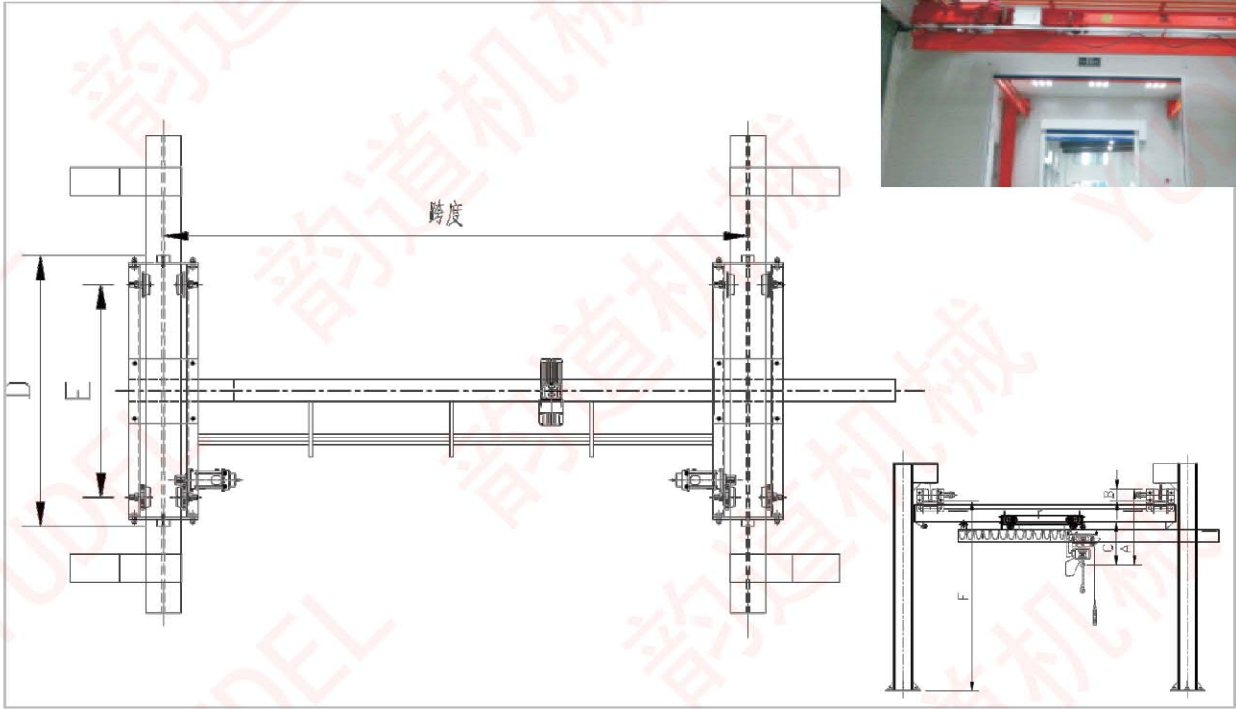
- A: 起重机吊钩升到最高点时距起重机顶部的距离
B: 起重机运行轨道顶部距起重机顶部的距离
C: 起重机吊钩升到最高点时距电动葫芦小车行走轮底部的距离
D: 端梁的长度(含缓冲器)
E: 端梁轮距
F: 地面到起重机运行轨道顶部的距离
G: 起重机运行轨道顶部到厂房顶部的最小距离(含国家规定的安全空间)
H: 起重机吊钩距电控箱一侧大轨道中心线的最小距离
I: 起重机吊钩距非电控箱一侧大轨道中心线的最小距离

- A: crane hook up to the highest point from the crane at the top of the distance
B: crane track top from the crane at the top of the distance
C: crane hook up to the highest point distance electric hoist trolley wheel distance from bottom
D: Length of beam end(With buffer)
E: End beam track
F: The ground to the crane track top distance
G: Crane track top to top distance in workshop
H: Crane hook from the electronic control box side of big track center line of minimum distance
I: Crane hook from a control box side of big track center line of minimum distance

双梁桥式起重机 Double-girder overhead travelling crane



悬挂伸缩梁起重机 cantilever telescopic beam crane



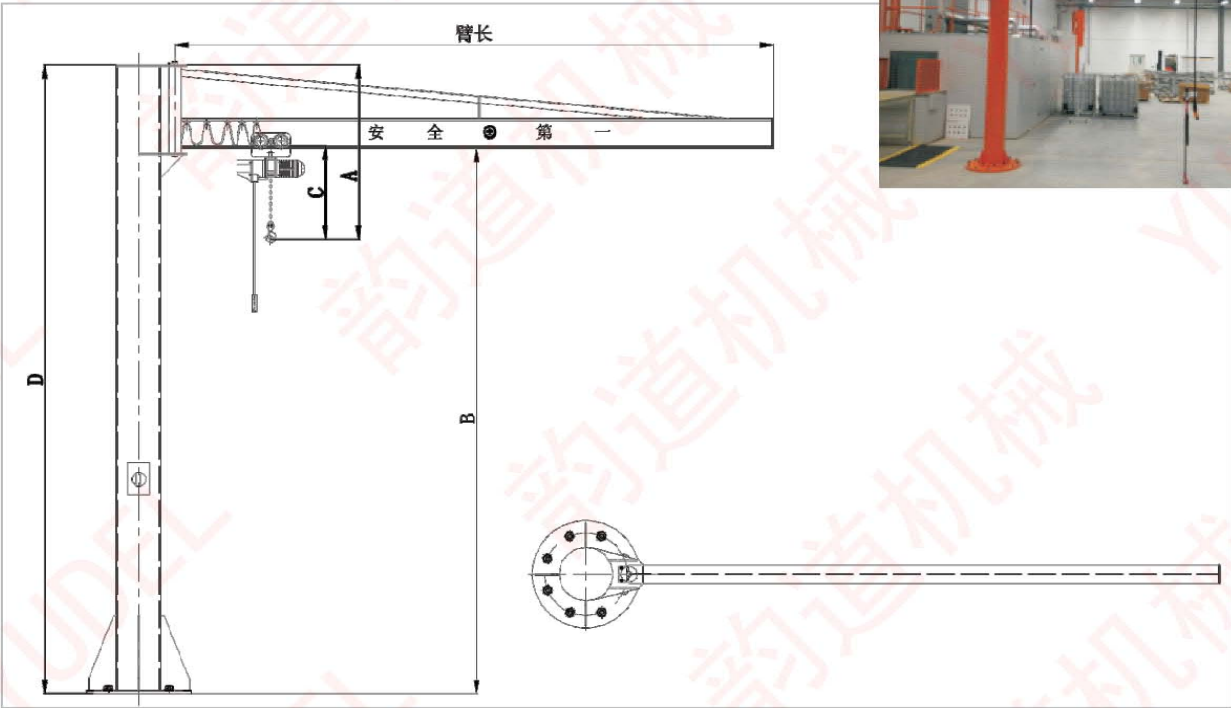
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5000	6	6	A5/2 m	0.3-3.3	680	950	379	2500	2200	8726	1054	620	590	28.1		5.5	1900
	9													30.4			2510
	12													32.2			3120
	15					1150		3030	2700	8526	1254	37.2		4960			
	18							1260	3060	8423	1357	40		5910			
	21							3460	3100	8421	1359	43.1		P22	6.2	7070	
10000	6	6	A5/2 m	1.4-2.9	790	1120	485	3090	2700	8672	1222	660	660	51.7	P22	10.5	2480
	9													55.1			3090
	12					1210				8588	1306			58.5			P43
	15					1320		3120	8477	1417	62.2			5500			
	18					1450		3150	8343	1551	67			7310			
	21					1570		3550	3100	8223	1671			73.5	11.7	9700	
15000	6	9	A5/2 m	1.9	1060	1240	630	3090	2700	8817	1338	660	720	74.7	P22	11.2	2690
	9					1320				8737	1418			79.6			3450
	12					1430		3120		8622	1533			84.5			P43
	15					1570		8483		1672	87.6			5800			
	18					3550		3100	8488	1667	93.3			7990			
	21								1690	8368	1787			98.3	9910		

技术参数表 Technical reference table

起重量SWL(kg)	跨度Span(m)	起升高度HoI(m)	起升速度Hoist Speed(m/min)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)				
125-1000 1500-2000	6	6	0.7-8.2 0.7-8.2	1390	150 160	910	1200	1000				
	9			1505		1000	1500	1250				
	12			1615		1110	2000	1250				
	15			1735		1200	2000	1750				
	18 21 6			1850 1960 2075		1410 1410 1410	2500 3000 1500	2250 2750 1250				
	9			2140		1410	2000	1750				
	12			2200		1610	2000	1750				
	15			2275		1610	2500	2250				
	18			2340		2000	3000	2750				
	21			2410		2000	3200	2950				
	2500-5000			6		9	0.3-3.3	2480	180	1640	2000	1750
				9				2480		1800	2000	1750
12			1920	2500	2250							
15			2000	3000	2750							
18			2350	3200	2930							
21			2520	3500	3120							

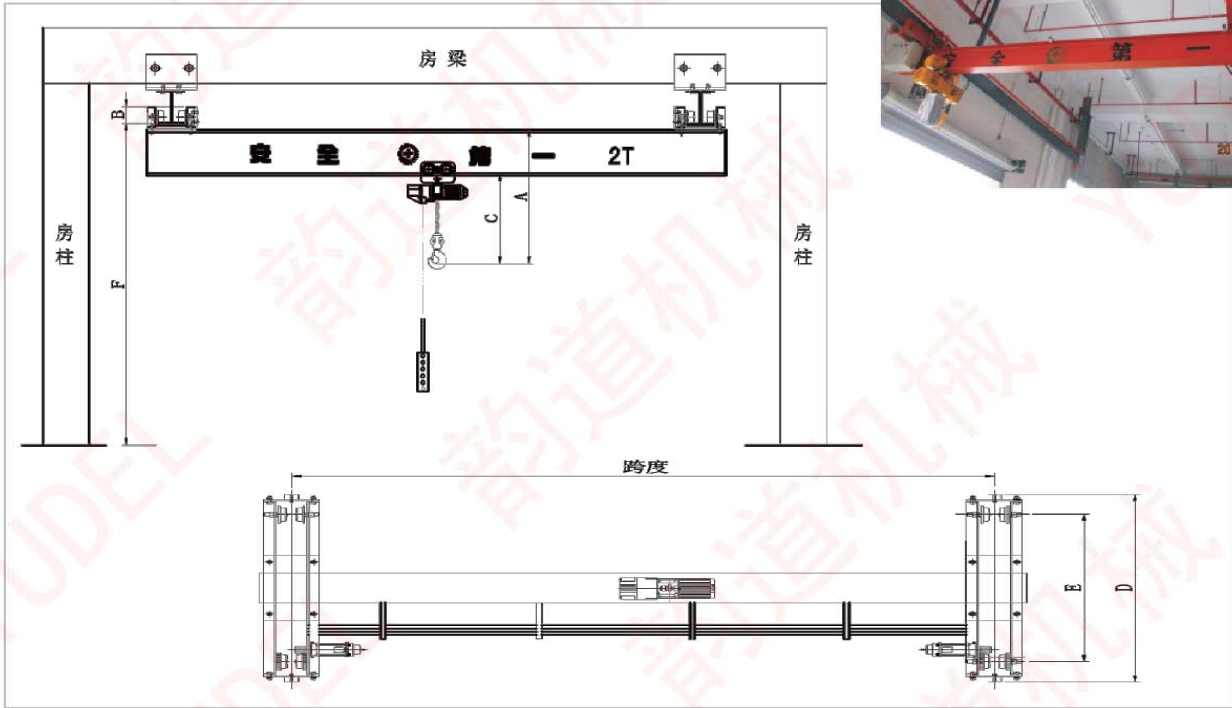
定柱式悬臂吊起重机 cantilever telescopic beam crane



技术参数表 Technical reference table

起重量SWL(kg)	跨度Span(m)	起升高度Hol(m)	起升速度Hoist Speed(m/min)	A(mm)	B(mm)	C(mm)	D(mm)
1000	2	6	0.7-8.2	1050	3260	470	4200
	3			1160			4300
	4			1300			4320
	5			1500			4500
	6			1800			4800
2000	2	6	0.7-8.2	1450	650	4350	4500
	3			1585			4680
	4			1680			4800
	5			1800			5000
	6			2000			5000
3000	2	9	0.3-3.3	1585	780	4350	4500
	3			1680			4680
	4			1800			4800
	5			2000			5000
	6			2300			5000

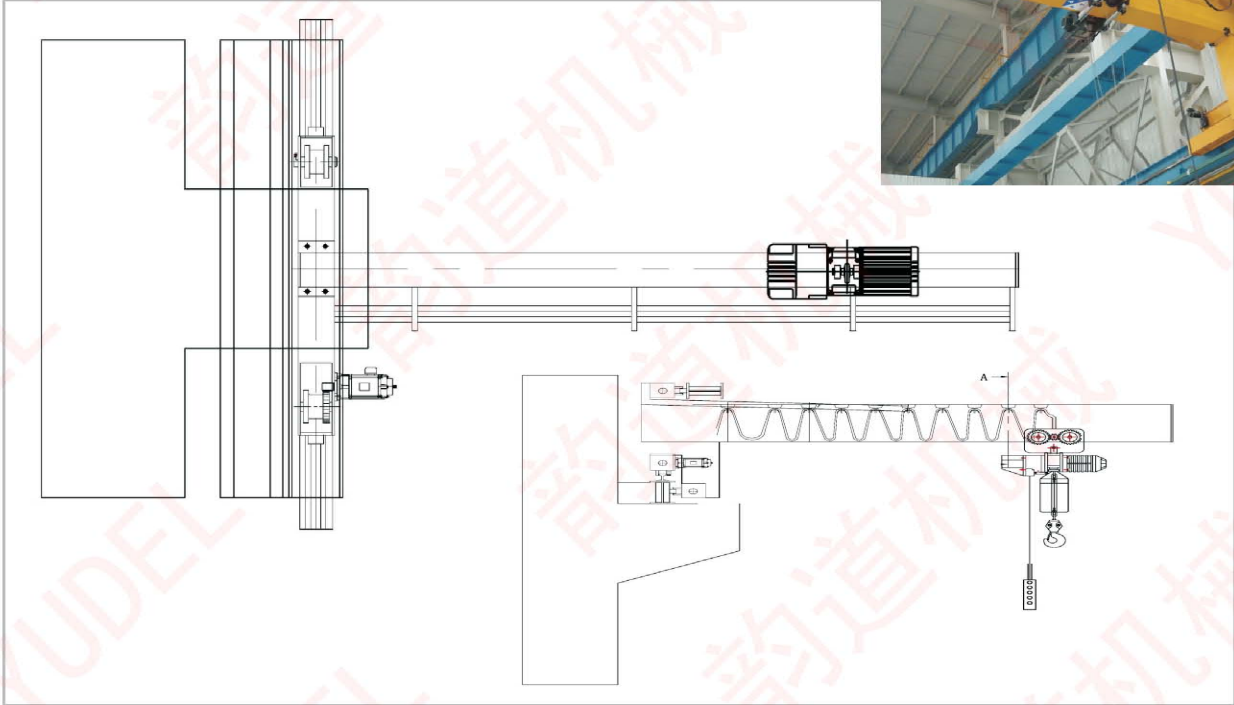
悬挂单梁起重机 cantilever single-girder crane



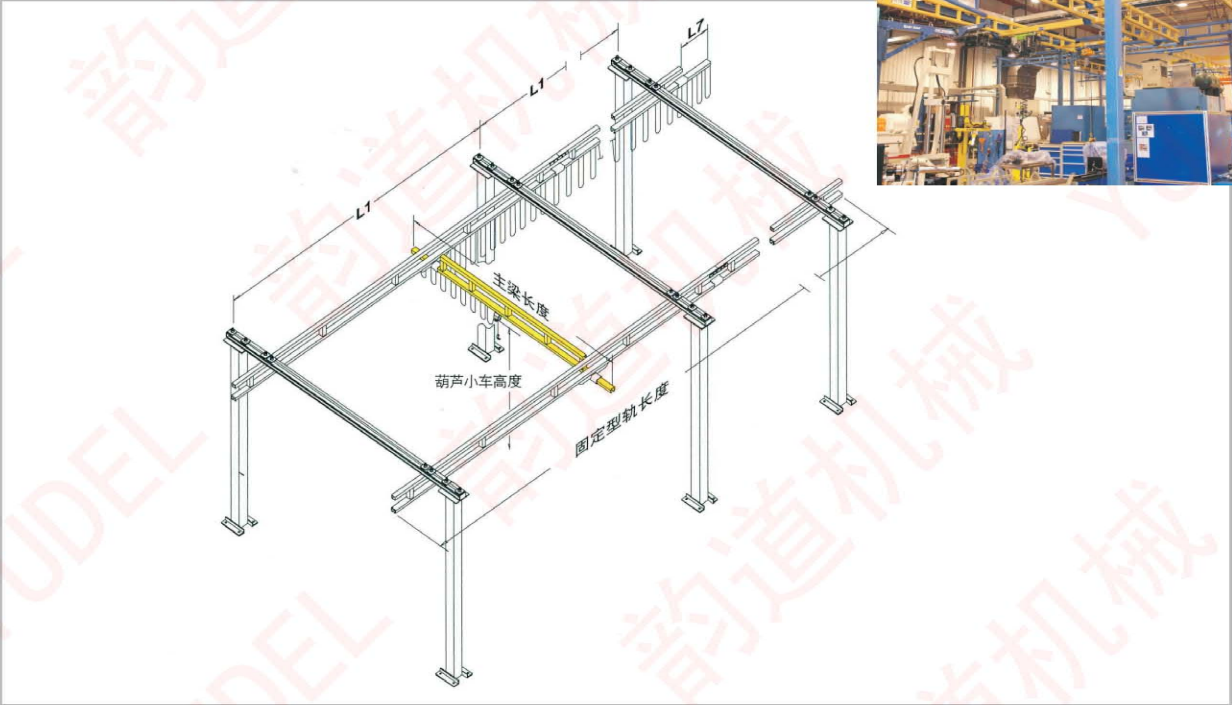
技术参数表 Technical reference table

起重量 SWL (kg)	跨度 Span (m)	起升高度 Hol(m)	工作级别 Duty	起升速度 Hoist Speed (m/min)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)	最大轮 压 Wheel LOAD (KN)	推荐大 车轨道 Run Way (m)	整车功率 Power (Kw)	整车自重 Weight (Kg)
2000	6	6	A5/2 m	0.7- 8.2	990	130	366	1710	1400	6858	232	220	190	14		2.7	1210
	9				990	130	366	1710	1400	6858	232	220	190	15.3		2.7	1560
	12				990	130	366	2010	1700	6858	232	220	190	16.3		2.7	1900
	15				1100	160	366	2530	2200	6938	263	220	190	18.2		2.7	2680
	18				1310	140	366	3310	2800	7172	240	220	190	19.4		2.7	3140
	21																
5000	6	6	A5/2 m	0.7- 8.2	1070	160	418	1730	1400	6858	263	350	340	29.1		5.8	1650
	9				1100	190	418	1750	1400	6858	286	350	340	31.1		5.8	2100
	12				1180	190	418	2050	1700	6860	286	350	340	32.7		5.8	2610
	15				1190	190	418	2550	2200	6940	286	350	340	35.1		5.8	3550
	18				1510	160	418	3340	2800	7201	262	350	340	37.4		5.8	4470
	21																
10000	6	9	A5/2 m	0.3- 3.3	1270	250	530	2430	1800	10020	352	850	770	51.3		10.5	2590
	9				1350	250	530	2430	1800	10102	352	570	490	56.9		10.5	3140
	12				1470	250	530	2430	1800	10220	352	570	490	60.2		10.5	4080
	15				1610	250	530	2920	2200	10354	352	570	490	62.3		10.5	4770
	18				1720	250	530	3460	2800	10472	352	570	490	66.2		10.9	6240
	21																

墙式起重机 Wall Crane



轻轨吊起重机 Portable Cantilever Crane



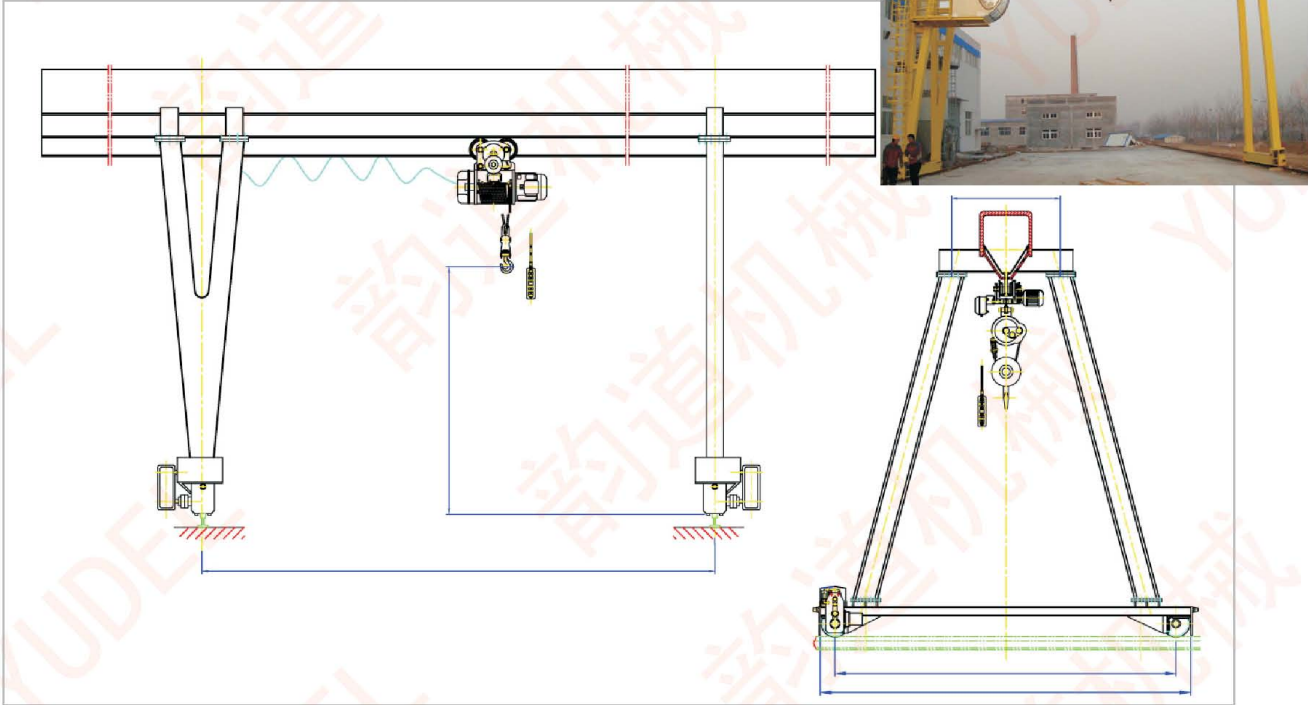
技术参数表 Technical reference table

起重量 Safe Working Load (kg)	旋臂长度 JIB Span (m)	起升高度 Light Height (m)	起升速度 Lifting Speed (m/min)	小车运行速度 Trolley Speed	大桥运行速度 Bridge Speed	控制方式 Control Mode
1000	3-15	3-9	双速 2-speed 5/0.83	手动小车或电动变频小车 速度0-20m/min Manual Push trolley or Motorized trolley 0-20m/min stepless contro	电动变频小车 速度0-20m/min Manual Push trolley or Motorized trolley 0-20m/min stepless control	有线地面手电门控制 或无线遥控 Pendant or Remote control
2000	3-12					
3200	3-10					
5000	3-7					
6300	3-5					
7500	3-5					

技术参数表 Technical reference table

起重量 Safe Working Load (kg)	跨度 Span(m)	起升高度 Light Height (m)	起升速度 Lifting Speed (m/min)	小车运行速度 Trolley Speed	大桥运行速度 Bridge Speed	控制方式 Control Mode
250	最大6m Max.6m	标准3m 最大120m Standard 3m Max 120m	双速 4/1 or 8/2	手动小车或电动变频小车 速度0-20m/min Manual Push trolley or Motorized trolley 0-20m/min stepless contro	手动小车或电动变频小车 速度0-20m/min Manual Push trolley or Motorized trolley 0-20m/min stepless control	有线地面手电门控制 或无线遥控 Pendant or Remote contro
500						
1000						
1250						
1600						
2000						

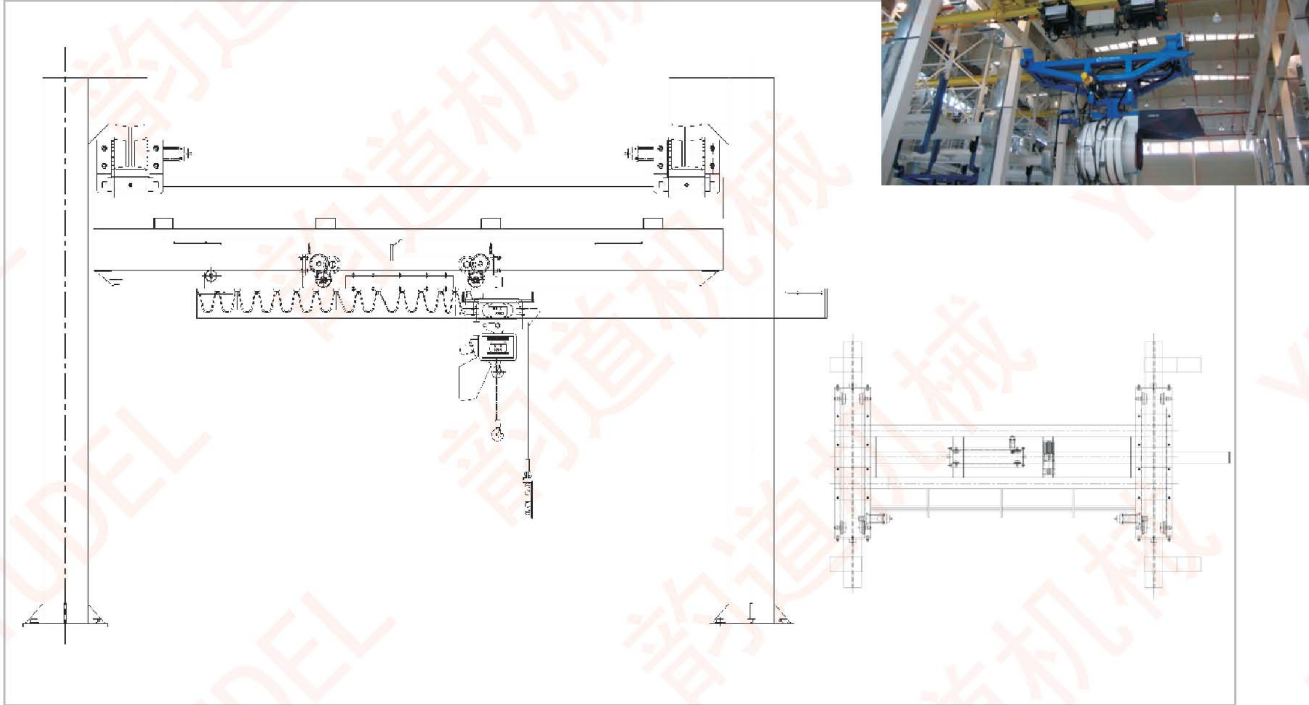
龙门起重机 Gantry Crane



技术参数表 Technical reference table

起重量 Safe Working Load (kg)	跨度 Span(m)	起升高度 Light Height (m)	起升速度 Lifting Speed (m/min)	小车运行速度 Trolley Speed	大桥运行速度 Bridge Speed	控制方式 Control Mode
5	max.25m 最大25m	6-12m	5/0.83双速 2-speed	速度0-20m/min	速度0-20m/min	有线地面手电门控制 或无线遥控或驾驶室 Pendant or Remote control or Cabin
10			5/0.83双速 2-speed			
16			5/0.83双速 2-speed			
25			4/0.67双速 2-speed			
32			4/0.67双速 2-speed			
40			4/0.67双速 2-speed			
50			3.2/0.5双速 2-speed			
63			2.5/0.4双速 2-speed			
75			2.5/0.4双速 2-speed			
80			2.5/0.4双速 2-speed			
100			0-2.1变频调速 Stepless			
125			0-1.9变频调速 Stepless			
160			0-1.3变频调速 Stepless			

智能型起重机 Smart Crane



技术参数表 Technical reference table

起重量 Safe Working Load (kg)	跨度 Span(m)	起升高度 Light Height (m)	起升速度 Lifting Speed (m/min)	小车运行速度 Trolley Speed	大桥运行速度 Bridge Speed	控制方式 Control Mode
1	max.30m 最大30m	max.30m 最大30m	0-8m/min 变频调速 stepless control	速度0-20m/min 0-20m/min stepless control	速度0-20m/min 0-20m/min stepless control	有线地面手电门控制 或无线遥控 Pendant or Remote contro
2+2						
3.2+3.2						
5+5						
8+8						
10+10						
15+15						
20+20			0-5m/min 变频调速 stepless control			

电动葫芦 Electric hoist



KITO系列 KITO series

ER2M电动葫芦 ER2M ELECTRIC HOIST

正因为KITO ER2系列是可靠度极高的产品，
所以我们能非常自信的做出业界史无前例的保证：

KITO ER2 series hoists have a high degree of reliability. That is why we are confident to make 3 years of product warranty period and 10 years of warrant for lifter with brake, which is unprecedented.

**产品质量保证3年
升降用刹车质量保证10年**



世界瞩目的ER型环链电动葫芦 The top one ER2 electric chain hoist

- ◆世界首次，双速型标配内置变频控制系统
The first two-speed type with a built-in variable frequency control system in the world
- ◆双速型变频调速可减少载荷摆动，实现更为平稳的升降操作
Two-speed type frequency control can reduce the rate of the hoist to swing to achieve more stable operation of the lifting
- ◆装备了为了确保安全而独自开发的摩擦离合器和上下限位下位开关
The equipments with friction clutch and limit switch developed by us
- ◆按钮控制器用了独特的人体学设计，起重链的耐用性得到了极大增强，维护保养及为 方便
The bottom controller with a unique ergonomic design increase the wear resistance more strong , and make the maintenance more convenient
- ◆设计时考虑了维护性，提高了抗疲劳和抗磨损的性能
In order to improve anti-fatigue and anti-wear function, We have taken the maintenance into consideration in the designing process .
- ◆独特的带有冷却风扇的马达，最优化设计的散热片及风扇罩
Unique optimal design of the heat sink and fan cover with the cooling fan motor
- ◆供电电缆标准长度为5.0m Standard length of cable 5.0m
- ◆扬程，按钮控制线，供电电缆的长度如在标准规格外，请与敝公司商量
If you need the specification of the length of the head,button control,power cables which is out of the standard specification,please contact with us.
- ◆载重链经过热处理，无法拼接使用，请注意
The chain can not stitch after heat treatment
- ◆帆布制链袋为标准链袋，钢制链袋为选配品
The canvas bag meet the standard , steel chain bag is another option
- ◆按钮控制箱标配配有紧急停止按钮
Button controller comes with an emergency stop button
- ◆按下紧急停止按钮可以方便的切断马达回路
Press the emergency stop button can be easily cut off the motor circuit
- ◆2台同时起吊的时候，请按照单侧葫芦的额定载荷能起升负载的要求来选定葫芦
Please select the hoist in accordance with the unilateral rated load of the hoist when you need 2 sets hoist to lift at the same time
- ◆3台同时起吊的时候，请实现与敝公司商量
If you need 3 sets to lift at the same time , please contact our company ,we can give you the best solution



KITO系列 KITO series

ER2M电动葫芦

ER2M ELECTRIC HOIST

重载的实力派125kg-20t (3相)

Kito er2 系列

Overloaded Strength 125kg-20t (3 phase) The Kito er2 series
世界最高水准M6等级

The world's highest level -M6

◆机械部分(齿轮轴承等)的使用寿命是M5等级的2倍

The service life of mechanical parts (gears, bearings, etc.) is the M5 Level 2 times

世界最高水准的时间额定60%Ed

The rated times is the highest level in the world

◆采用带独特冷却风扇的马达

With a unique cooling fan motor

◆齿轮箱采用油槽润滑方式

Gearbox with sump lubrication

◆风冷式马达又独特的散热片以及风扇罩

Air-cooled motor, unique heat sink and fan cover

◆适应高频度的用户以及扬程的要求

Meet the needs of high-frequency using and delivery head

铸铝一次成型本体

Cast aluminum molding body

◆超群的刚性本体可以对应严峻的使用环境和使用条件

The outstanding main body can adapt into complex environment and condition

◆结构简单, 零部件少

It owns simple structure and less components

◆防尘防晒防喷流型本体 (Ip55)

Dust-proof sunscreen jet-proof body (Ip55)

维护更简便

The maintenance is more flexible

◆上吊钩的固定轴该在机身外部, 便于协装卸

It is easy to disassemble and assemble because of the hook installed beside the main body

◆电气部件中设置在控制面板上, 便于点检和维护

Electrical components install on the controller plane, easy to check and maintain

◆控制面板段盖与本体连接带相连, 使用方便

The controlling plane is connect with the main body, it is more convenient to use

超强镀镍合金钢载重链

Super nickel-plated alloy steel load chain

◆采用专利技术制造, 具有很强的抗疲劳, 耐磨损及耐腐蚀性能
It adapts patented technology, the chain has strong resistance and corrosion resistance

◆载重链由高强度、高精度、坚固耐用的高品质特殊合金钢制成
The chain is made from high-strength, high-precision, durable high quality special alloy steel

CH计数器 CH counter

◆液晶屏可显示启动次数和运转时间, 根据设备的使用频率来维护保养

LCD screen can display the number of starts and running time, taking the maintenance by the frequency of use



标准配置摩擦离合器, 电子式超载保护

The standard friction clutch, electronic overload protection

◆摩擦离合器可以防止过载和大吨位吊起时对本体及载重链造成损失

Friction clutch to prevent the overload, large tonnage lifted the body and loadchain losses

◆电子式超载保护通过变频器

检测出过载后, 本体立即停止动作

Electronic overload protection is detected through the inverter, when it has checked out, the body immediately stop the action

上下限位开关 The limit switches

◆上下限位开关可以防止过卷时对本体及载重链造成损坏

Upper and lower limit switches to prevent roll damage on the body and load chain

◆上下限位开关结构简洁, 缩小了最小钩间距

The simple structure of the upper and lower limit switch, reducing the minimum hook spacing

具有失压保护功能的紧急停止按钮

Voltage protection function of the emergency stop button

◆按下紧急停止按钮, 可以立即切断马达回路

Press the stop button, it can immediately cut off the motor circuit



◆按钮控制器采用人体工学设计, 操作方便舒适

Button controller adopts ergonomic design, easy to operate and it is very comfortable

◆操作电压为DC24V, 更加安全
The operating voltage is DC24V, more safe

环保设计

Environmental design

◆不使用KITO规定的15种危害环境的物质

Forbidding to use the 15 Environmentally hazardous substances as KITO provision

◆包括6种欧盟有害物质限制指令 (RoHS) 中规定的有害物质
Including six hazardous substances which forbid using in the european union restriction of hazardous substances

◆降低额定电流, 节能省电

Reduce the rated current, save the energy

◆使用4级电机及吸引转子式制动器, 减少运行和制动时的噪音

Using four motors and rotor brake to reduce the noise

EQ电动葫芦



标准配置:

Standard allocation

双速变频器 Double-speed inverter

电子式超载保护 Electronic overload protection

摩擦离合器 Friction clutch

无负荷高速运行功能 None-load high-speed operation function

用技术为全球产业添彩

We luster the global industry by technology

顶级环链电动葫芦-Kito EQ 问世

The top chain hoist kiyo EQ advent



◆标准配置中采用电子式超载保护与摩擦离合器, 实现双重安全保障, 并且低碳环保

In the standard allocation, we used the electronic overload protection and friction clutch So that the hoist has double protection device. It is also low-carbon

◆造型独特的按压式开关, 操作简单, 轻便易用

The unique push switch, easy to operate, lightweight and easy to use

◆标准配置无负荷高速运行功能, 能提高作业效率

The standard none-load high-speed operation function can improve the efficiency

◆EQ 系列产品能够最大限度地发挥其核心

The EQ series products can maximize its core function

◆双速变频器的特性, 从控制到机械设计的各个细节, 均采用Kito的卓越技术

The characteristics of the double inverter is that we have applied outstanding technology to all the producing processes.

◆采用马达与本体一次成型结构, 在确保强大功能的同时, 实现本体最轻, 最小

The motor connection with the main body to ensure the powerful function, at the same time, We make the main body more light



KITO系列 KITO series

EQ电动葫芦

铸铝一次成型本体

Cast aluminum molding body
超群的刚性本体可以应对严峻的使用环境和条件

Superior rigid body can adapt in the complex environment and conditions

结构简单, 零部件少

Simple structure, and less components
防尘防喷流型主体
the dustproof jet-type body

独有的变频器专用设计

The unique Inverter design

采用变频器进行集中控制, 最大限度地减少使用电器元件, 实现元件更换量的最少化

Inverter is centralized control type, minimizing the use of electrical components, to achieve the minimization of the amount of component replacement

采用变频器确保平滑启动与停止, 实现机械部分的小型化

Using the Inverter to ensure a smooth start and stop, to achieve miniaturization of mechanical parts

采用变频器Dc电源的无变压器结构

Using inverter DC power supply transformer construction

标准配置摩擦离合器, 电子式超载保护

The standard friction clutch, electronic overload protection

摩擦离合器可以防止过载和大吨位吊起时对本体及载重链造成损失

When the hoist is overloading, The friction clutch will stop it, decreasing the lose because of goods falling

电子式超载保护通过变频器检测出超载后, 本体立即停止动作

Electronic overload protection is detected through the inverter, when it has checked out, the body immediately stop the action

上下限位开关

The limit switches

上下限位开关可以防止过卷时对本体及载重链造成损坏
Upper and lower limit switches to prevent roll damage on the body and load chain

上下限位开关结构简洁, 缩小了最小钩间距

The simple structure of the upper and lower limit switch, reducing the minimum hook spacing

追求细节的长寿命设计

Pursue long-life design of the detail

采用带独立冷却风扇的马达

The motor with fan motor

齿轮箱采用油槽润滑的方式

Gearbox with oil bath lubrication

冷却风扇有独特的散热片及风扇罩

Cooling fan with unique heat sink and fan cover

世界最高水准的短时间额定40/20%ED

The world's highest level of short-term rated 40/20% ED

设计简洁流畅, 工作等级达M6等级

Simple design, the work duty reach M6 level

适应严酷的环境和作业条件

It can adapt to the severe environment and condition

超强镍合金钢载重链

Super nickel-plated alloy steel load chain

采用专利技术制造, 具有很强的抗疲劳、耐磨损及耐腐蚀性能

It adapts patented technology, the chain have strong resistance and corrosion resistance

载重链由高强度、高精度、坚固耐用的高品质特殊合金钢制成

The chain is made from high-strength, high-precision, durable high quality special alloy steel

CH计数器 CH counter

液晶屏可显示启动次数和运转时间, 根据设备的使用频率来维护保养
LCD screen can display the number of starts and running time, taking the maintenance by the frequency of use

具有失压保护功能的紧急停止按钮

Voltage protection function of the emergency stop button

按下紧急停止按钮, 可以立即切断马达回路

Press the stop button, it can immediately cut off the motor circuit

按钮控制器采用人体工学设计, 操作方便舒适

Button controller adopts ergonomic design, easy to operate and it is very comfortable

操作电压为DC24V, 更加安全

The operating voltage is DC24V, more safe

紧急停止与失压保护功能集中于一个控制按钮, 按钮盒结构紧凑

Emergency stop and voltage protection functions focused on a control button with a compact design

环保设计 Environmental design

不使用KITO规定的15种危害环境的物质

Forbidding to use the 15 Environmentally hazardous substances as KITO provision

包括6种欧盟危害物质限制指令(RoHS)中规定的有害物质

Including six hazardous substances which forbid using in the European union restriction of hazardous substances

降低额定电流, 节能省电

Reduce the rated current, save the energy

使用4级电机及吸引转子式制动器, 减少运行和制动时的噪音

Using four motors and rotor brake to reduce the noise



KITO系列 KITO series

ED电动葫芦



规格: Specification

容量范围: 60kg-240kg

Capacity range: 60kg-240kg

供电源: 单相Ac230V/50Hz

Power supply: single-phase AC230V/50Hz

操作电压: 直接控制式

Operating voltage: directly controlled

低电压操作形式也可提供

Low-voltage operation forms are also available

操作方式: 按钮形式(单速和双速)

Operation: button form (single speed and two-speed)

上下往复(双速)

Reciprocating up and down (double speed)



◆适用于电源230V单相(也可用于220V-50HZ 以及240V-50)

The hoist can be used at 230V single-phase power supply (it can also be used 220V-50Hz and 240V-50)

◆高速升/降

High-speed up/down

◆设计小巧紧凑, 使用钩间距距离变至最小

Compact design, making the hook space distance to minimum

◆安全以及高性能

Safe and high performance

◆有过卷防护

Overwinding protection device

◆坚固轻巧, 100Kg型仅重11.5Kg

Sturdy and lightweight, weighing only 100kg type 11.5Kg

◆高强度载重链条为耐磨防锈的非电镀镍链

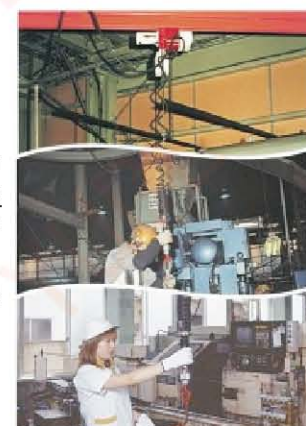
High-strength load chain wear rustproof electroless nickel plating

◆利用微型小车可扩大作业操作范围

Using the micro-trolley can expand the operating range

◆防护等级: Ip54 (葫芦机体), IP65 (操作按钮开关) Ip44(上下往复开关)

Protection class: Ip54 (HOIST), IP65 (Button switch), IP44 (Up and down reciprocating switch)



KITO系列 KITO series

HK钢丝绳电动葫芦



M5 等级 M5 class

机械部分的使用寿命是M3等级的4倍
The life of the mechanical part is 4 times the M3 level
M3等级:400小时 M5等级:1600小时 **4倍提升**
M3 Rating: 400 hours M5 class:
1600 hours 4 times
提供了长时间稳定操作,大幅度提高性价比
Provides stable operation for a long time,
greatly improve the cost-effective

超载限制器 Overload limiter

用报警铃和报警灯通知行业人员载荷状态
Though the alarm bell and alarm lights
inform the operator that overload situation
可以瞬间检测出超载并立刻停止起升操作
can instantly detect overload situation
and immediately stop the hoisting operation
是符合GB 规格的超载防止装置
It meet the specification of GB overload
limit device



让追求更加的你不再犹豫

To make you not hesitate to pursue "more"

想要使用更加高功能的葫芦

To use more higher function hoist

想要使用更加便宜的葫芦

To use more cheap hoist

想要使用更加平稳运作的葫芦

To use more stable hoist

想要使用更加适合搞使用频率的葫芦

To use more higher frequency working hoist

HK型钢丝绳电动葫芦

HK wire rope hoist

协助您追求更加, 使追求成为现实

We will help you to pursue "more"
and to make it come true

采用纤维缠绕式钢丝绳

Filament winding wire rope

通过采用柔软性,耐疲劳,耐磨性等性能均衡的纤维缠绕
式钢丝绳,()实现长寿命化

Softness, resistance to fatigue, wear resistance and
balanced performance fiber wound,filament rope

电动机过热保护器 Motor overheating protection

利用高感度的双金属式电动机过热保护器万一发生的起
升电动机烧坏,以此保护电动机

Utilizing the high sensitive bimetallic motor overheating
protection to prevent lifting motor from burning

双重上限位开关 任意设定上下停止位置(采用编码器)

Double limit switch

Set the upper and lower stop position (encoder)

可以任意设定停止位置

Stop position can be set as you want

可以常用的上下限停止功能

use upper and lower limit stop function

最适合葫芦设置位置低,吊钩经常在上限和下限附近使用,

或者经常在相同位置进行起升和下

降作业的环境安心作业,顺利作业,提高生产性,安全性

The hoist can set the right position, the hook is

often near the upper and lower limits, or often in

the same position for lifting and Descending,under

the operating environment, it can smooth operate

smoothly to improve the productivity and safety

KITO系列 KITO series

防爆型环链电动葫芦

Explosion-proof electric chain hoist

防止易爆工作场所的灾害

Prevent explosive workplace disasters

KITO牌RER2系列防爆环链电动葫芦

KITO RER2 series of explosion-proof electric chain hoist

符合国际标准的KITO防爆型葫芦

Explosion-proof KITO hoist is in line with international standards

采用的铝合金本体、实现本体的轻量化。

The adoption of aluminum-alloy body helps realize the lightweight of body
起升/横行速度都是双速,大幅提升反复运转额定、保证有效的作业。

Lifting / rampant speed are two-speed, which significantly increase the
repeated rated operation ensuring effective functions.

缩小最小钩间距、保证有效使用空间。

Narrow the minimum spacing to ensure the efficient use of space.



按钮控制器采用

Application of button controller

本质安全防爆构造

Intrinsically safe structure of explosion-proof

实现按钮控制器的小型化

Realizing the miniaturization of button controller

商用电压过变装置变成弱点供给按钮控制器,

Commercial Voltage transformer changed into weak current supplying button controller

按钮触点的开闭不引起爆炸气体火花的方式,内部不发生爆炸,比耐压防爆型更加安全。

The opening and closing of the button contact will never cause the way of explosive gas spark,
without any internal explosion, which is safer than withstanding explosion-proof type.

无尘室用葫芦

For cleanroom series

工业用/生物工程用无尘室起重设备,与建筑物一样可以持续使用。

The Industrial / biological engineering cleanroom lifting
equipments as well as building can be sustainably used.

特别是FPD关联产业,伴随着生产设备的大型化,相应起重设备
也逐渐大型化,搬运设备综合制造厂商KITO,支持各类产业,
可以提供各种类型大小容量的起升设备,有各种型号的起重机、
电动产品、手动产品供选择。

Especially the industries relating to FPD, with the upsizing of
production equipment, related lifting device is upsized. KITO, the
handling equipment comprehensive manufacturer, supports
various industries, which can help provide lifting equipment in
various types and sizes of capacity, with various types of cranes,
electric, manual products for selection.

采用专用设计、施工方案,符合各种洁净度要求的无尘室设计、施工规格,售后服务体制完善。

The adoption of special design and construction program is in line with the cleanroom design and construction specifications which are
required by various cleanliness. In addition, the after-sales service system is perfect.

无论电动还是手动产品,只要是无尘室产品请与KITO联系。

No matter the electric or manual products, as long as it is cleanroom product, please don't hesitate to contact with KITO.



产品质量保证3年
升降用刹车质量保证10年



KITO系列 KITO series

冶金型环链电动葫芦

最适合于熔化金属的起吊搬运作业!
Best suited for lifting handling operations of the molten metal!

KITO牌冶金专用环链电动葫芦

The KITO electric chain hoist for Metallurgy

在日本冶金产业占据了最高的市场份额

KITO had the highest market share in the Japanese metallurgical industry

凭借KITO集团的先进制造技术为基础

With KITO Group's advanced manufacturing technology

以追求安全、耐久、节能的目标设计并制造的产品

Pursue of safe, durable, energy-saving products, design and manufacture of products

是支持中国产业发展、值得信赖的产品。

Support for China's industrial development, being a trusted products.



载重链 Load chain

即使在200℃的环境温度下使用,也不会发生拉伸强度降低。
Even work at temperature of 200°C. It won't lower the tensile strength

按钮盒 Button box

紧急停止按钮,有标准配置的失压保护机能。

The emergency stop button has a standard voltage protection function

安装无线遥控操作装置即可实现远距离操作。

It can control the operation for long distance by a wireless controller

限位开关 Limit device

采用了重锤式上下限位开关以外,还配备有上、下限位开关的双重限位功能。

we have taken heavy hammer style limit switch, it can limit the distance of lifting and lowering double functions

摩擦离合器 Friction clutch

当负载超过额定载荷时,内置式摩擦离合器会动作,防止环链电动葫芦损坏。

When the load exceeds the rated load, Built-in friction clutch will protect the electric chain hoist

万一限位开关(重锤式、上下限)发生故障,内置式摩擦离合器动作,防止环链电动葫芦的损坏。

In the Case that limit switch (hammer, upper and lower limits) fails, Built-in friction clutch to prevent electric chain hoist Damaged.

刹车装置 Brake system

装备独特设计的吸引转子式刹车

Equipped with a unique designed rotor brake

电动机 Motor

电动机绝缘等级F级,使用铸铝成型外壳,附加外置式冷却风扇,可以高频率使用。

We can use the Motor insulation class F, cast aluminum shell molding, and cooling fan for high-frequency

使用寿命 Longevity

达到M6工作级别,使用寿命长。

It can get long longevity when it reach the M6 level

节省空间,容易变换构造

Saving space and flexible structure

最小钩间距小,整体体积小,可以设置在狭小空间

The minimum hook spacing is small, the overall small size, can be set in a small space

起升高度更改方便,如果设置到新的使用位置,结构更改方便(起升高度/轨道宽度等)。

Lifting height easy to change, if it sets to the new position, the structural changes easily (Lifting height / track width).



KITO系列 KITO series

CB电动葫芦

最强有力的手拉葫芦,世界最高水准

KITO chain hoist with infinite strength, reaching the highest international standards

◆抗外部冲击力强的齿轮箱及外罩

Strong resistance of Gear box and the out cover to external impact force

手拉葫芦的两侧,采用了最高加工技术,利用厚板材加工而成的齿轮箱,利用复杂形状压制而成的高强度外罩,其刚性强受到外部冲击时纹丝不动

The two sides of KITO chain hoists have adapted the highest process technology, the gear box is processed by heavy-gauge sheeting, the out cover is suppressed by high strength, when it gets the external shock, it won't have any craft



◆两重外罩隔离雨水、灰尘 Double out cover is water proof and dust proof

最重要的刹车部,有手拉链轮外罩和刹车部外壳双重保护,可防止雨水及泥灰的侵入,安装在手拉链轮外罩上的手链向导的端部,与主机相连,耐久性高,能够平滑的向导手拉链条。

The most important brake system applied with two protection system which are Zippered cover and brake shell. It can prevent the water and dust from outside. The brake system is installed in end of the hand chain guide, it connects with the motor. It is strong and durable.

◆安全可靠的刹车性能(机械制动器) Safe and reliable braking system (mechanical brake)

KITO独特的干式刹车机构,具有强大的制动力,操作停止后刹车立刻开始工作,支撑住吊起重物使之不下滑,在连续长期的使用中发挥出超群的耐久性,特别是在下架操作时,手拉力轻,操作平滑。

The rod brake system of KITO has powerful braking force. The brake system will start work immediately when the operation stops, supporting the goods not to glide. It makes extraordinary performance in the long term. It works smoothly when it descends.

◆双重棘爪弹簧使其耐用性增强 Double Pawl spring make the durance more strengthful

如果一边按棘爪弹簧折断或损坏,另外一个棘爪弹簧还可以继续工作,以确保其性能, KITO独特的双重棘爪弹簧构造,使产品的耐久性得到提高。

If one pawl spring break off or damage, the other one still can keep working, to make the hoist operate smoothly. Double pawl spring design makes KITO so special, improving the durability of the KITO hoist.

◆强度与操作性兼备的吊钩 High-intensity and operational lifting hook

经调制出力后的上下吊钩,具备足够的强度与韧性,万一超载,也只会慢慢的发生变形,不会折断,此外,加大了对吊钩腹部的设计,使之对吊具及吊钩的钩挂变的容易,钩部舌片可防止松弛时,吊具从吊钩中脱落。

The lifting hook owns high intensity and ductility after regulating the strength. It will transform slowly if it overload, but it won't break off. However, we have paid much attention on the design of the middle of the hook, so that it can prevent the tongue piece fall off from the hook.

◆高安全性能的金属套 High-safety metallic sheath

配备横行操作时,防止链条螺母、螺帽损坏的金属套

Latergrade system equip with metallic sheath which can prevent the bolt and nut break down

◆高精度高韧性齿轮 High-precision and high-ductility gear wheel

KITO及其常年积累的技术,生产出外形小而功能优良的高韧性齿轮

Long years technology, KITO company produce high quality gear wheel which make good performance



KITO系列 KITO series

CX电动葫芦

超小型，超轻量，结构简单，采用一体型铝制机体构造

重量只有2.4kg

便于携带，手拉力小，操作方便，吊钩内径增大，使用范围扩大，如此精巧，还能钩起250kg载荷，吊挂，上升，下降，超小型的环链葫芦

Small volume, light weight, simple structure, Applied all-in-one aluminum machine system, The weight is only 2.4kg, It is easy to carry, hold and operate, the larger The inner diameter is, the larger the usable range, It owns small and exquisite figure, can bear 250 kg capacity, Hanging up, down, ultra-small chain hoist

上下吊钩间距最小偶局为217mm，本体外壳螺栓不凸出表面，配有防止过载的过载保护装置，高强度的载重链条(强度1000N/mm²)，配有防止脱落的钩部舌片(上下吊钩通用)。

The minimum deadlock of the upper and lower hook is 217mm, The body shell wont protrude the surface, it has equipped the overload device, Load chain of the high strength (strength of 1000N/mm²), Equipped with a hook tongue to prevent the hoist falling (general use for top and bottom hook).



LB电动葫芦

轻量型吊钩 Lightweight hook

大容量Lb025-Lb090的吊钩材料，采用了合金结构，在不改变其大小的条件下使用轻量化得到实现，Kito的环链手扳葫芦以其优秀的研发能力和技术能力，及其高品质，高功能，等诸多特点并且荣获了日本机械学会优秀产品殊荣。

Large-capacity Lb025-Lb090 hook material, having adapted alloy structure, To achieve the light weight goal on the conditions that do not change their size, Kito chain hoist with its excellent research and development skills, technical skills, and its high-quality, high-function, won award of the Japan Society of Mechanical Engineers.



LX电动葫芦



超小型，超轻量，携带方便！

Ultra-compact Ultra-light Easy to carry

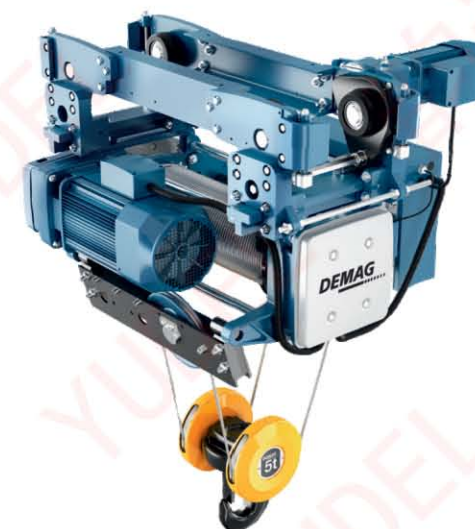
净重仅1.6Kg！手柄长150mm！最小钩间距205mm！高处作业轻松自如！

有额定载重为250kg和500kg两个品种，轻货物紧固，固定物体，校正位置等各种场合上大显身手。

NW: 1.6Kg, Handle Length: 150 mm, Min: 205 mm, Functioning flexibly at altitude, Rated Load: 250 kg\500kg, Operating on fastening Light cargos, fixing objects, adjusting positions and other occasions.



DEMAG electric hoist 德马格电动葫芦



单轨小车EUDR-Bas (标准净空单轨小车)
single-track trolley



单轨小车EKDR-Bas (低净空单轨小车)
single-track trolley



双轨小车EZDR-Bas
double-track trolley



固定式葫芦FDR-Bas
fixed hoist

销售系列：DC环链葫芦系列、DR钢丝绳葫芦系列

Sales series: DC chain hoist series\ DR steel-wire hoist series

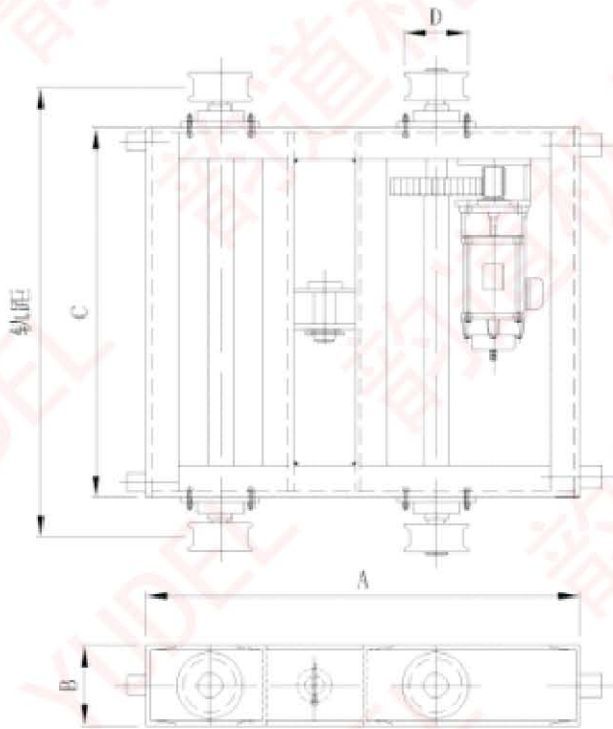
大车/台车系列

Electric trolley series and Electric crane series



电动台车(葫双小车)

Electric trolley(Hoist double-trolley)



电动台车(葫双小车)



悬挂电动大车(悬挂端梁)



电动大车(端梁)

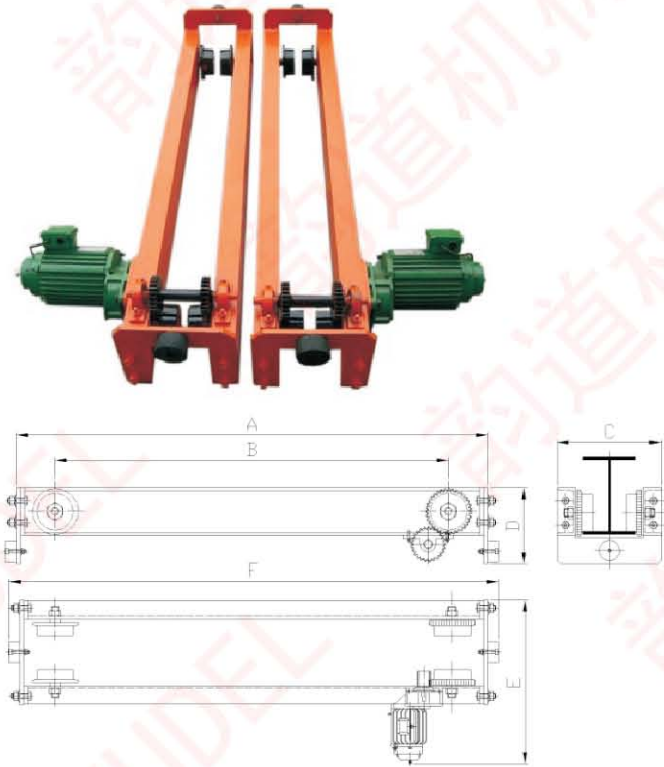


地轨台车

序号	起重量	轨距	功率 (KW)	轨道型号	序列号	轮径 (mm)	输出齿轮
NO.	(T)	mm	Power(kw)	Rail Type	Sequence number	Wheel diameter	Output gear
1	0.5~2	750~1200	0.25~0.4	12kg	YT02001	Φ 125	M3.5
2	3	800~1200	0.25~0.4	12kg	YT03001	Φ 145	M3.5
3	5	950~1400	0.4~0.75	15kg	YT05001	Φ 175	M3.5
4	7.5	1000~1500	0.4~0.75	22kg	YT07501	Φ 185	M4
5	10	1200~1500	0.75	22kg	YT10001	Φ 195	M4
6	15	1400~1800	1.1	22kg	YT15001	Φ 215	M4
7	20	1600~2000	1.1	24kg	YT20001	Φ 245	M5
8	32	1600~2200	1.5	30kg	YT32001	Φ 295	M5

悬挂电动大车(悬挂端梁)

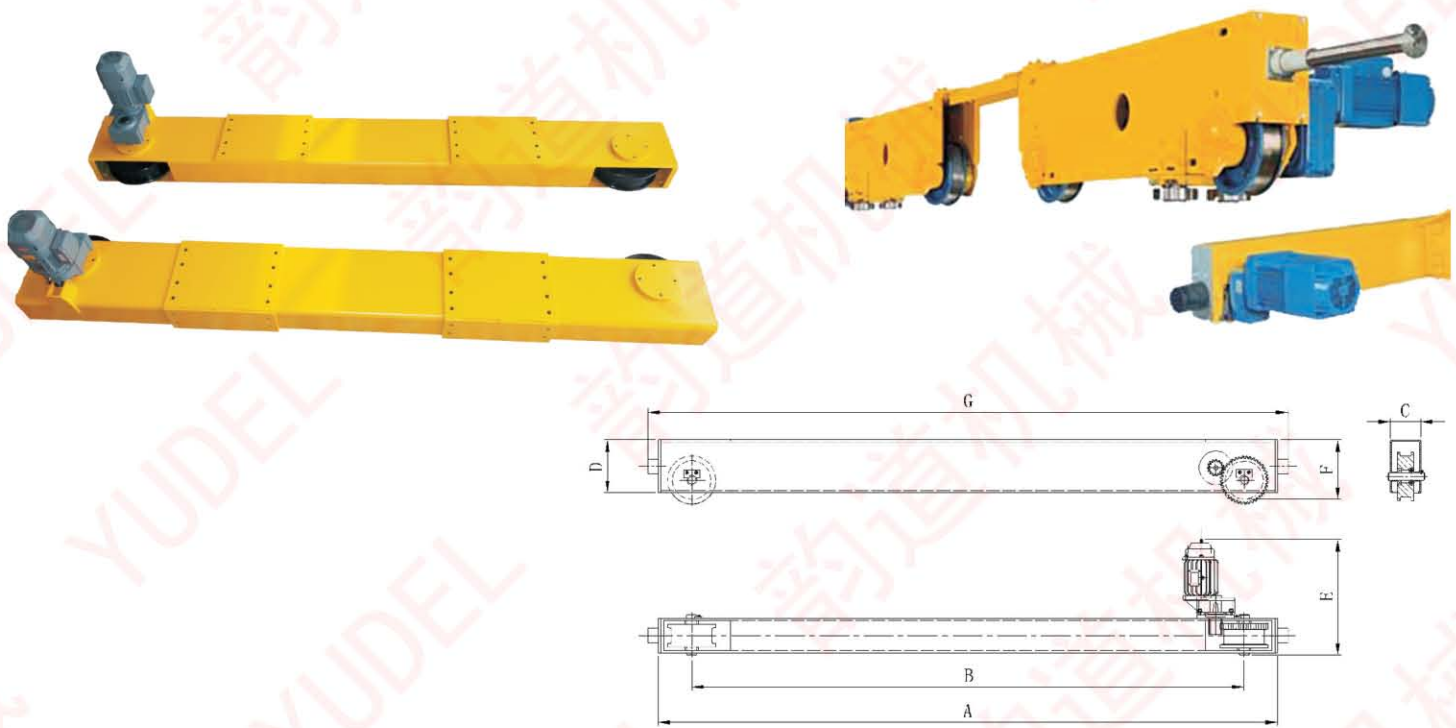
Suspension electric crane



序号	起重量	跨度	功率 (KW)	轨道型号	序列号	轮径 (mm)	输出 齿轮	尺寸 (mm) Size					
								A	B	C	D	E	G
1	0.5	4-8	0.25-0.4	12	YX01001	Φ145	M3.5	1500	1250	150	200	450	1610
		8-13			YX01002			2000	1750			450	2110
		12-16.5			YX01003			2500	2250			450	2610
		16-21			YX01004			3000	2750			455	3110
		4-8			YX02001			1500	1250			450	1610
2	0.9	8-13	0.25-0.4	12-15	YX02002	Φ145	M3.5	2000	1750	150	200 (250)	450	2110
		12-16.5			YX02003			2500	2250			450	2610
		16-21			YX02004			3000	2750			455	3110
		8-12			YX03001			2000	1700			450	2110
3	1	12-16.5	0.25-0.4	15	YX03002	Φ175	M3.5	2500	2200	150	200 (250)	450	2610
		16.5-20.5			YX03003			3000	2700			450	3110
		21-22.5			YX03004			3500	3200			515	3610
		8-12			YX05001			2000	1700			450	2110
4	2	12-16.5	0.25-0.4	15-18	YX05002	Φ195	M3.5	2500	2200	150 (200)	250 (300)	450	2610
		18.5-20.5			YX05003			3000	2700			450	3110
		21-22.5			YX05004			3500	3180			565	3610
		10.5-13.5			YX07501			2500	2180			515	2610
5	3	13.5-16.5	0.4	22	YX07502	Φ215	M4	3000	2680	150 (200)	300	515	3110
		16.5-20.5			YX07503			3500	3180			515	3610
		20.5-23			YX07504			4000	3650			630	4110
		10.5-13.5			YX10001			2500	2150			580	2610
6	5	13.5-16.5	0.4-0.7	24	YX10002	Φ245	M4	3000	2650	150 (200)	300	580	3110
		16.5-19.5			YX10003			3500	3150			580	3610
		19.5-23			YX10004			4000	3650			715	4110
		10.5-13.5			YX15001			3000	2600			715	3110
7	10	13.5-16.5	0.75-1.1	24-30	YX15002	Φ295	M4	3500	3100	200	350	715	3610
		16.5-19.5			YX15003			4000	3600			715	4110
		19.5-23			YX15004			4500	4100			735	4610

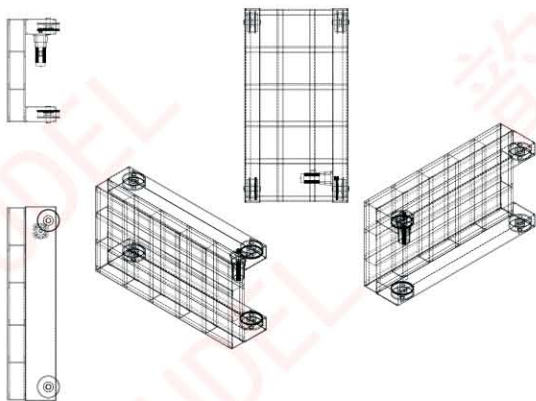
电动大车(端梁)

Electric crane(End beam)



序号	起重量	跨度	功率 (KW)	轨道 型号	序列号	轮径 (mm)	输出 齿轮	尺寸 (mm) Size					
								A	B	C	D	E	G
1	1	4-8	0.25~0.4	12	YD01001	Φ145	M3.5	1500	1250	150	200	450	1610
		9-13.5			YD01002			2000	1750			450	2110
		14-16.5			YD01003			2500	2250			450	2610
		17-22.5			YD01004			3000	2750			455	3110
		4-8			YD02001			1500	1250			450	1610
2	2	9-13.5	0.25~0.4	12-15	YD02002	Φ145	M3.5	2000	1750	150	200 (250)	450	2110
		14-16.5			YD02003			2500	2250			450	2610
		17-22.5			YD02004			3000	2750			455	3110
		8-12			YD03001			2000	1700			450	2110
3	3	12-16	0.4~0.75	15	YD03002	Φ175	M3.5	2500	2200	150	200 (250)	450	2610
		16.5-20.5			YD03003			3000	2700			450	3110
		21-22.5			YD03004			3500	3200			515	3610
		8-12			YD05001			2000	1700			450	2110
4	5	12-16	0.4~0.75	15-18	YD05002	Φ195	M3.5	2500	2200	150 (200)	250 (300)	450	2610
		16.5-20.5			YD05003			3000	2700			450	3110
		21-22.5			YD05004			3500	3180			565	3610
		10.5-13.5			YD07501			2500	2180			515	2610
5	7.5	14-17	0.75	22	YD07502	Φ215	M4	3000	2680	150 (200)	300	515	3110
		17.5-20.5			YD07503			3500	3180			515	3610
		21-23			YD07504			4000	3650			630	4110
		10.5-13.5			YD10001			2500	2150			580	2610
6	10	10.5-13.5	0.75	24	YD10001	Φ245	M4	2500	2150	150 (200)	300	580	2610

地轨台车
Trace Trolley



载重量 load	台面高度 Table	轨距 track	供电方式 power	操作方式 operating	电机功率 motor power	运行速度 speed	车轮直径 wheel	最大轮压 Maximun	兼用轨道 track
1T-2T	120	1500	集刷 brush collector	电动	0.25-0.4KW	16.0	145	3.5t	15/18
3T	140	1500		电动	0.4KW	20.0	175	4.0t	18
5T	160	1500		电动	0.4KW	20.0	195	6t	22/24
7.5T	180	1500		电动	0.75KW	20.0	215	7.4t	22/24
10T	200	1500		电动	0.75KW	22.0	245	7.4t	30/38
16T	250	1500		电动	1.1KW	22.0	295	10	38
20T	280	1500		电动	1.5KW	23.0	340	15	38
25T	300	1500		电动	2.2KW	20.0	390	20	38
32T	360	1500		电动	2.2KW	20.0	420	25	38/43
40T	400	1500		电动	3.75KW	20.0	450	28	38/43
45T	400	1500		电动	3.75KW	20.0	500	32	43

马达系列
Motor series



马达系列 Motor series

YUNDEL Motor 韵道马达

韵道马达特点: YUNDEL motor characteristics

电磁刹车 Electromagnetic brake

采用直流式刹车,制动力强,螺栓直接调整制动力,使用寿命长,安全性高。
DC brake, braking force, bolt directly adjusts the braking force, long service life, high safety

马达 Motor

高性能、高转矩、壳体易散热、耐高电压、电流小、体积小、输出功率强劲、可高频率使用。
High performance, high torque, the shell is easy to heat, high voltage, low current, small volume, strong output power, high frequency of use

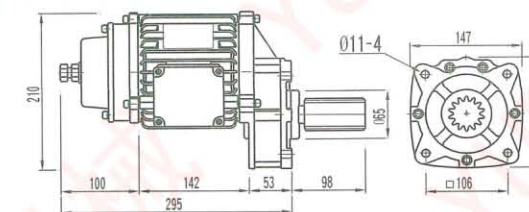
缓冲器 Buffer

使用飞轮缓冲启动,启动及刹车平稳顺畅。
The use of flywheel slow start, start and brake smoothly

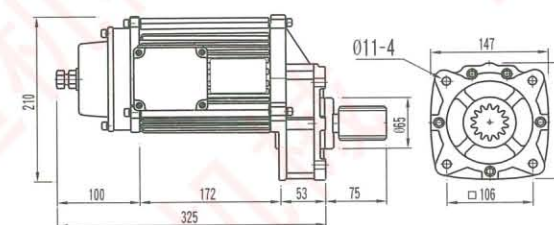
减速机 Speed reducer

壳体采用高张力材质铸铁(FC25)制造,采用高精度电脑CNC加工,齿轮采用合金钢材料,经真空渗碳热处理,心轴校正研磨,耐磨,耐冲击,安全系数高,使用寿命长。
The shell adopts the high tension cast iron (FC25) manufacturing, Using high-precision computer CNC processing, Gear made of steel materials, Vacuum carburizing heat treatment, the correction of grinding, wear, impact resistance, high safety factor, long service life.

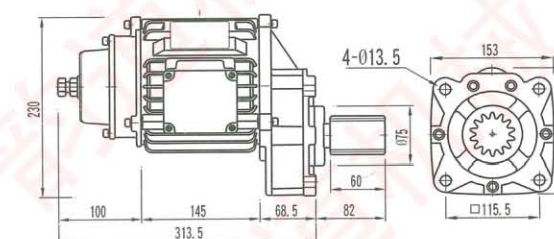
SL-050 缓冲型



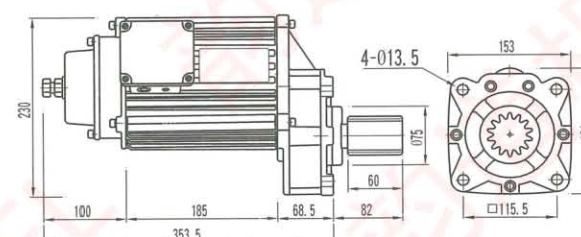
SL-100 缓冲型



SLD-100 缓冲型



SA-150 缓冲型



型号	马力 (KW)	电压	减速比	转速	
				50HZ	60HZ
SL-030A	0.4	220V-480V	10:1	133	176
SLK-030A	0.4		7.8:1	189	228
SL-050A	0.4		8.5:1	176	210
SL-050B	0.37			112	134
SLK-050A	0.4		6.5:1	223	276
SLK-050B	0.37			146	176
SL-100A	0.75		7.7:1	189	228
SL-100B	0.6			123	148
SLD-100AD	0.4/0.13		6.5:1	189/62	228/75
SLK-100A	0.75			227	267
SLK-100B	0.6		16:1	145	175
SA-150A	1.1			112	135
SA-150B	0.75		16:1	67	92
SAD-150AD	0.6/0.2			114/33	137/45
SA-200A	1.5		16:1	92	110

型号	马力 (KW)	电压	减速比	转速	
				50HZ	60HZ
SA-200B	1.1	220V-480V	16:1	61	73
SA-200B	1.1			61	73
SAD-200AD	0.75/0.25		16:1	92/30	110/36
SA-300A	2.2			92	110
SA-300B	1.5		16:1	61	73
SAD-300AD	1.5/0.5			92/31	110/37
SA-500A	3.75		18.5:1	80	95
SA-500B	2.2			56	65
SAD-500AD	2.2/0.75		18.5:1	80/26	95/31
SA-750A	5.5			80	95
SA-750B	3.75		18.5:1	53	63
SAD-750AD	3/1			80/26	95/31
SA-1000A	7.5		18.5:1	80	95
SA-1000B	5.5			53	63
SAD-1000AD	3.75/1.25			80/26	95/31

配件系列 Accessories series



线控遥控器 Remote control remote control



无线控遥控器 Wireless remote control device



线控遥控器



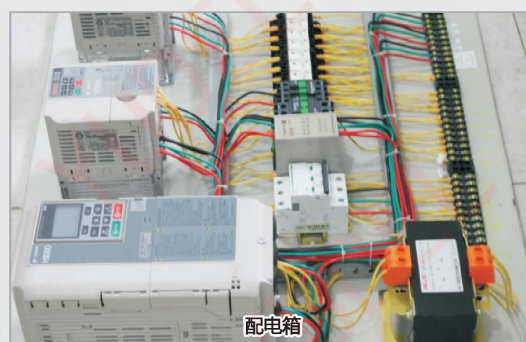
无线控遥控器



配电器材系列



大车轮



配电箱

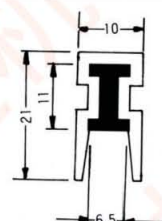
Power distribution equipment series 配电器材系列



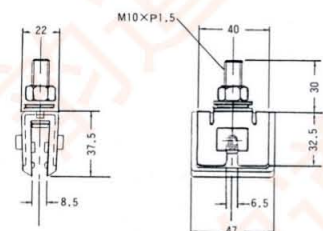
测试项目	材质	测试内容(R/M)		测试内容(V)		满载压降(V/M)	200V/100M压降率	温度℃	备注
W型电轨800A	铝	电阻系数	0.000100	耐压	6KVX30min	0.08	3.6%	23	
W型电轨500A	铝	电阻系数	0.000107	耐压	6KVX30min	0.054	2.5%	23	
W型电轨320A	铝+红铜	电阻系数	0.000184	耐压	6KVX30min	0.059	2.7%	23	
3P电轨90A	红铜	电阻系数	0.000630	耐压	6KVX30min	0.057	2.6%	23	
3P电轨90A	红铜+白铁	电阻系数	0.000512	耐压	6KVX30min	0.047	2.1%	23	
3P电轨75A	红铜	电阻系数	0.000882	耐压	6KVX30min	0.066	3.0%	23	

配电器材系列 Power distribution equipment series

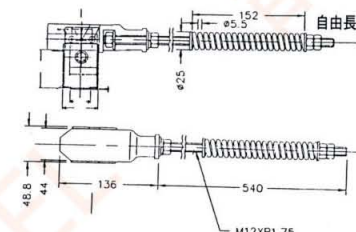
配电器材系列 Power distribution equipment series



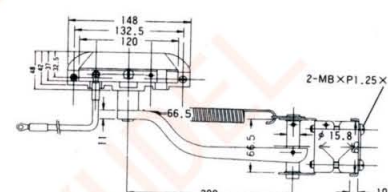
电轨
CH1001 单P200A



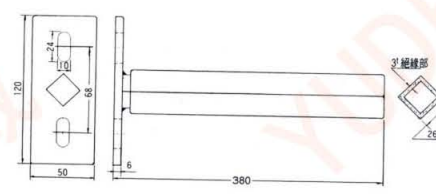
电轨夹
CH1030 单P



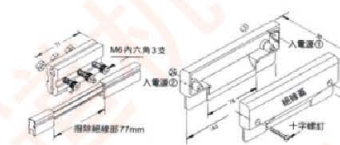
拉紧器
CH1020 单P



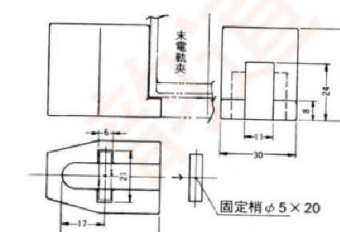
几点刷
CH1040 单P



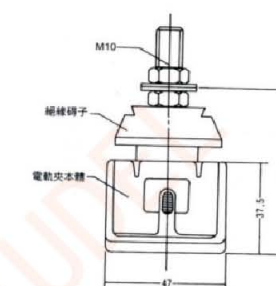
固定棒
CH1060



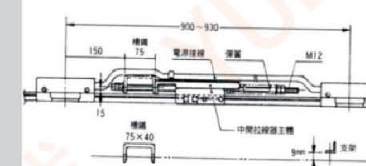
接线盒
CH1070 单P



末端挡头
需订做



防雨型电轨夹
需订做

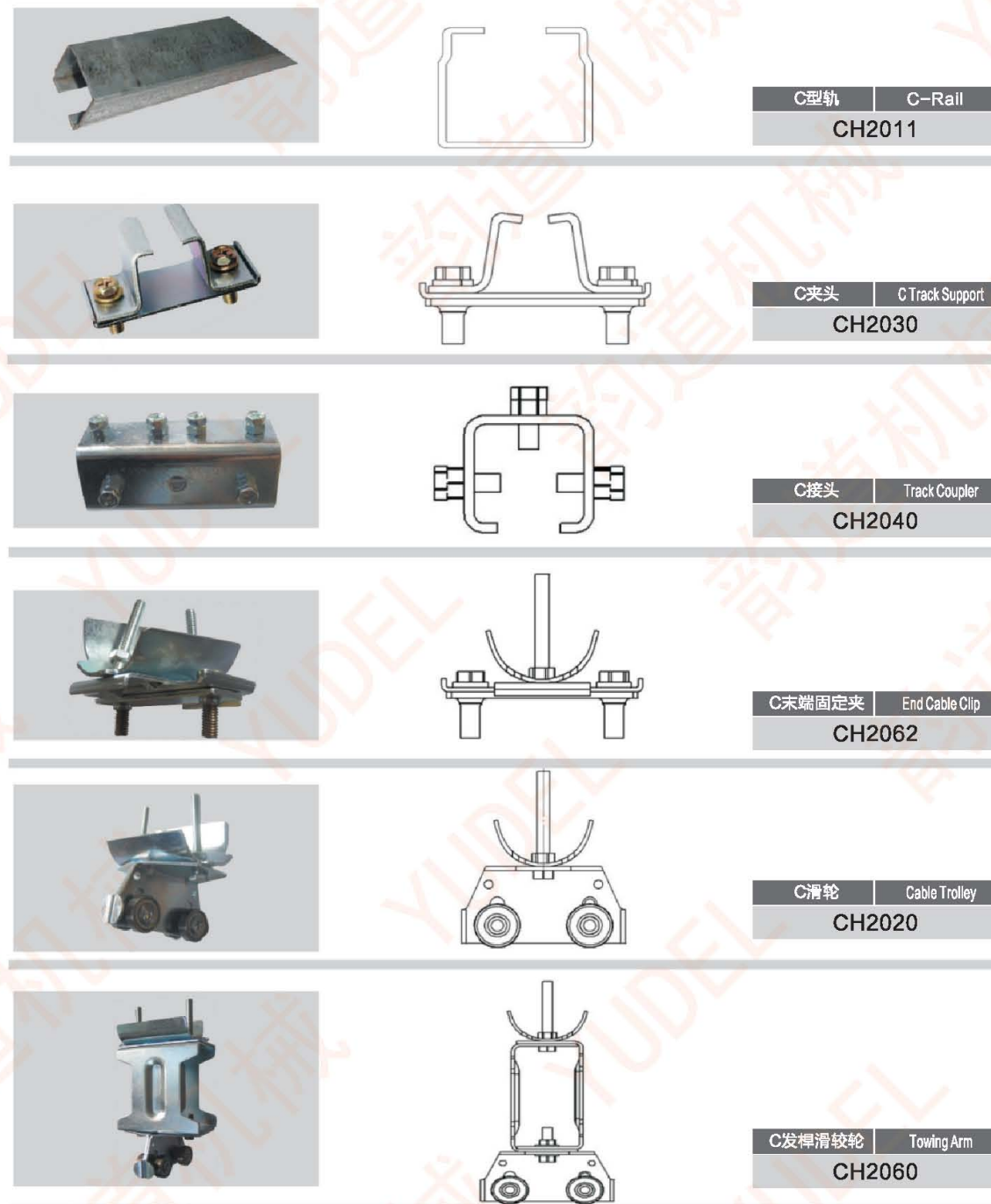


中间拉紧器
需订做

配电器材系列 Power distribution equipment series

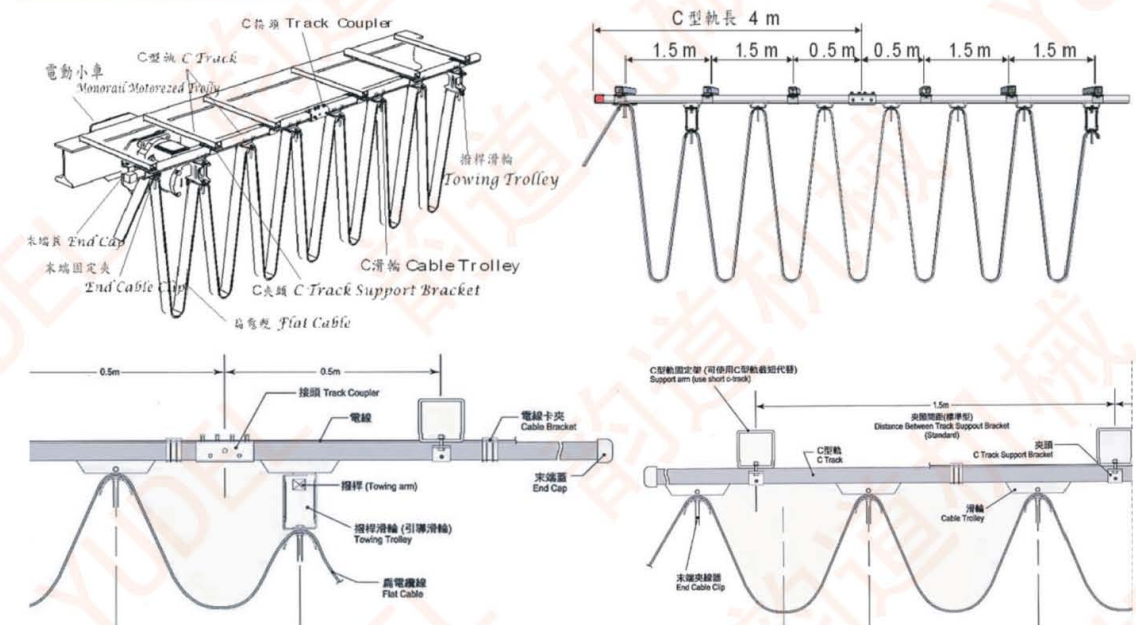
配电器材系列 Power distribution equipment series

C型轨零件图 C-Rail Cable

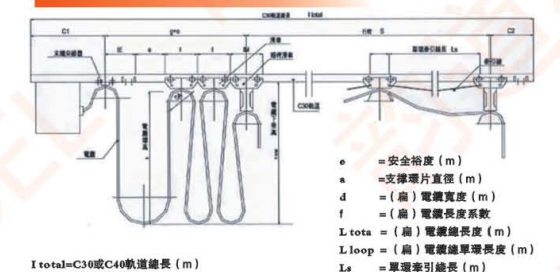


C型轨

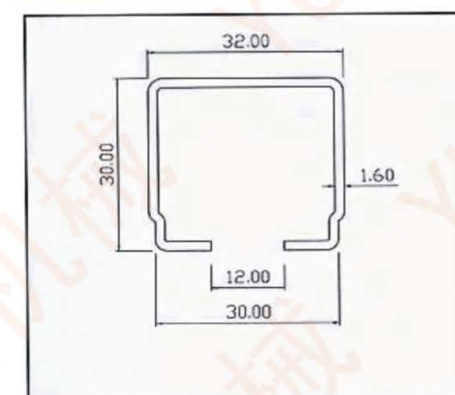
※安裝規則 Tnstallation Scheme



二、規則 scheme



一、結構數據 structure data



C30軌道断面圖
C30 track section drawing

編號	材質	長度 (mm)	長度公差 (mm)	厚度 (mm)	物理性質	單位重量 (kg/m)
CH2011	鍍鋅鋼板	3000	+40	1.6	Ix (cm4) Wy (cm3) C (mm)	1.24kg/m
					1.97 1.23 16.0	

$$I_{total} = \text{Total track(rail)length of C30 or C40}$$

$$s = \text{L stroke}$$

$$h = \text{Height of cable ring}$$

$$h_{total} = \text{Cable falling height}$$

$$n = \text{Number of the cable ring(loop)}$$

$$g = \text{Necessary length of the pulley and its accessories}$$

$$l = \text{pulley length}$$

$$n = \frac{s+g}{2h}$$

$$h = \frac{s+g}{2n}$$

$$f = 1.1 (\text{Sliding velocity } 50\text{m/min})$$

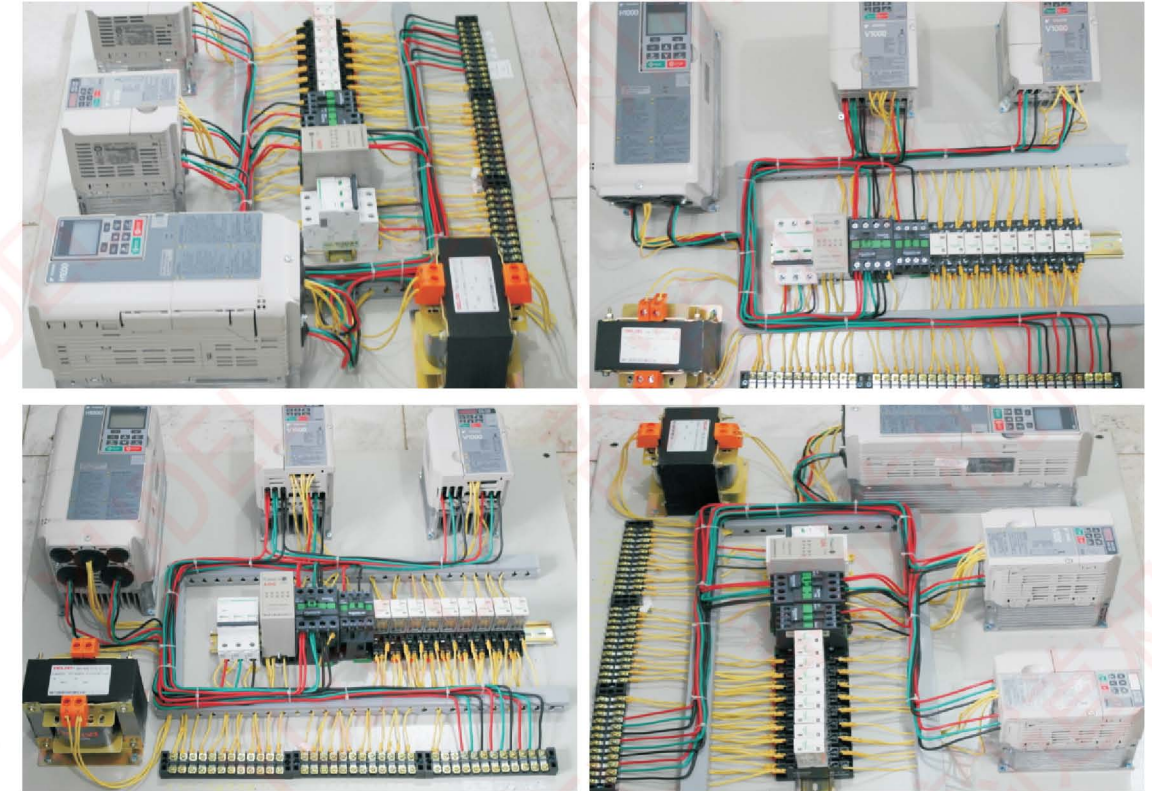
配电器材系列 Power distribution equipment series

Power distribution equipment series 配电器材系列

大车轮



配电箱



轴



起重机械的安全高风险特性

人类的生产活动和生活离不开对物质的需求,必然要进行大量的物料搬运,起重机械就是用来进行物料搬运作业的机械装备。

在现代生产中,起重机械不仅在物料运输领域起着重要作用,广泛用于输送、装卸、建筑工程和仓储等作业,而且直接参与生产工艺过程,例如,大型构件的锻造和热处理等工艺。起重机械的使用大大提高了劳动效率,同时减轻了劳动者的劳动强度。

近些年来,起重机械的功能又延伸、发展到各类游艺机中,那些与起重机工作原理相似的可升降、旋转的大型载人游艺机,以其运动多变、惊险刺激的特点成为吸引游客的亮点,丰富了人们的娱乐生活,提高了人们的生活质量。使用任何机械都伴随着安全风险,以快速、高效和大吨位为发展目标的起重机械必然也面临越来越大的安全风险。根据不完全统计,在事故多发的作业中,起重事故的起数多、后果严重、经济损失大,一直是安全监控的重点特种设备。

起重机械的高风险是由它的特殊运动形式和作业特点来决定。起重机械的作业特点是周期性的间歇作业,其工作原理是这样的:承载物料的取物装置借助庞大金属结构的支撑,通过多个工作机构的单独运动或组合运动把物料提升,并在空间一定范围内运移,然后按需要将物料安放到指定位置,空载回到原处,准备再次作业,从而完成一个物料搬运的工作循环。整个工作循环需要地面指挥人员、司索工和起重机司机三方面人员的紧密配合协调完成。从职业安全和健康角度来看,起重作业概括起来有如下特点:

1. 物料的高势能

起重搬运的载荷质量大,一般都上吨重,有的高达几百吨。起重搬运过程是将重物悬吊在空中的运动过程。由于载荷质量大、位置高,因而具有很高的势能。一旦发生意外,高势能就会迅速转化为高动能。

2. 运动的多维性

与其他固定式机械不同的是,起重机在作业过程中需要整体移动,并且起重搬运过程是借助多个机构的组合运动来实现。每个机构都存在大量结构复杂、形状不一、运动各异、速度多变的可动零部件,再加上吊载的三维空间的运移,这样形成了起重机械的危险源点多且分散的特点。

3. 作业的范围大

起重机庞大的金属结构横跨车间或作业场地,高居其他设备、设施和施工人群之上,起重机起吊物料,可实现带载情况下,起重机部分或整体在较大范围内移动运行,在作业区域增大的同时,也使危险的影响范围加大。

4. 作业的群体性

起重作业的过程是通过地面司索工捆绑吊物、挂钩、卸货,起重司机操纵起重机将物料吊起,按地面指挥要求,通过空间运行,将吊物放到指定位置的一系列环节组成。每一次吊运循环,都必须是多人的合作完成,无论哪个环节出问题,都可能发生意外。

5. 作业条件的复杂性

在室内的起重机,地面设备多,人员集中;在室外的起重机,会受气象条件和场地限制;在夜间作业,会受作业范围内的采光条件影响。另外,物料的种类繁多,包括成件、散料、液体、固液混合等物料,形态各异。此外,流动式起重机还涉及地形和周围环境等众多因素的影响。

总之,起重搬运这种特殊的作业形式和起重机械特殊的结构和运动形式本身就存在着诸多危险因素,安全问题尤其突出。随着人们安全意识的增强,对工作条件的安全期望越来越高,起重机械的安全将更加受到重视。

High-risk characteristics of lifting machinery

Production activities and human life can not be separated from demands for material which needs lots of material handling. Lifting machinery is a kind of mechanical equipments to carry materials.

In modern production, lifting machinery plays an important role not only in the field of material handling such as transportation, loading and unloading, construction and warehousing operations, but also directly involved in the production process. For example, a large component of the process of forging and heat treatment. The lifting machinery greatly improve labor efficiency, while reducing the labor intensity of workers.

In recent years, the function of lifting machinery extended to all kinds of amusement machines. These large scale manned amusement machines, which can realize the function of lifting and flexing that works similar with crane, enriched people's entertainment life and improved the quality of people's lives. Security risks accompany with the use of any machinery. The hoisting machinery is inevitably facing increasing security risks with the development objectives such as faster, efficient, and large tonnage. Lifting accident, a kind of accident-prone operations, occurred many times which caused serious consequences and the economic losses. It has been a focus on special equipment safety supervision according to incomplete statistics.

High risks of lifting machinery is determined by its special exercise and operating characteristics. The lifting machinery operating characterized by periodic intermittent operation, how it works is this: With the support of a large metal structure, extract device bearing materials to enhance the material through multiple institutions separate exercise or a combination of sports and move in the space within a certain range, and then press the desired materials to the specified position, no load back to the original place, ready to go again, thereby completing the work cycle of a material handling. The whole working cycle requires commanding officers on the ground to work in with the Secretary cable workers and crane drivers to accomplish. From the view of occupational safety and health, the lifting operation has lots of characteristics as follow:

1. High energy material

The lifting and handling has large quality, generally ton, some up to several hundred tons. Lifting handling process is suspended in the air movement. As the load quality, high position, and thus has a high potential, in the event of an accident, the high potential energy quickly converted into a high kinetic energy.

2. Movement of the multi-dimensional

It is different from other fixed machinery; crane needs to move as a whole in operation process, and the lifting process is by means of a plurality of combination of mechanism movement to achieve. Each institution is the existence of a large number of changeable movable parts, which has complex structure, various shape, diverse movement and different speed, with the hanging load three-dimensional migration, thus formed a lifting of the dangerous source and dispersion characteristics.

3. Large operation range

Crane's huge metal structure across the workshop or operation site, the highest in the other equipment, facilities and construction over the crowd, when the crane lifting materials, it can be realized in case of tape carrier, the crane part or whole mobile operating within a wide range, it can increase in the work area and the scope of the dangerous effects at the same time.

4. Operations of the group

Lifting operation process is composed of a series of segments: the ground rigging workers bundled hanging objects, linked, unloading, crane drivers to manipulate the crane the material lifted by ground command requirements, movement through space, put the material on the specified location. Each time the transport cycle must be cooperate to complete by many people, no matter which aspect of the problem may be lead to an accident.

5. The complexity of the operating conditions

Indoor cranes, so many ground equipment, personnel concentrated; outdoor cranes will be affected by weather conditions and space constraints; during night operations, the operating range of lighting conditions. In addition, many types of materials, including into pieces, bulk, liquid, and solid-liquid mix materials, different shapes and sizes. In addition, mobile cranes also relates to the terrain and the surrounding environment, and many other factors.

In conclusion, the special operation mode of lifting and handling and special structural form and motion of the lifting machinery itself many risk factors exists, especially security issues. With the enhancement of people's safety awareness, safe working conditions increasingly high expectations, lifting machinery safety will be even more important.

起重机保养

很多使用厂家都会忽略这个问题。起重机的使用保养和机械保养、汽车保养是一样的。

起重机定期不保养会造成的危害:

马达使用寿命大大缩减、易烧损, 严重会造成安全事故、人员伤亡。

电动葫芦造成安全事故的发生率, 严重会造成人员伤亡

大车、台车螺丝松动, 轴齿磨损, 会造成安全事故, 重会造成人员伤亡。

起重机为特种设备, 维修保养必须专业人士操作, 非专业人士的保养不恰当会大大增加安全事故的发生率!

韵道公司拥有完善的专业的售后维修保养服务。在制造安装完成后第一时间会和客户沟通签订维修保养服务合同,

在提高客户安全第一、工作效率第一的同时为客户带来实际的效益。让客户买的放心, 用的舒心的同时让客户感

受到五星级品质的起重机带来的品质享受!

韵道公司承诺:

不做假货 不做低端 不做仿冒

我们是一个有魂的企业, 做有魂的产品!

韵道公司所生产的起重机

质保两年!

韵道公司为客户服务的政策:

12小时内的响应速度,

48小时内的现场解决速度(江浙沪)

贴心周全的保养计划

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这就是韵道人全心全意为客户服务的诚心!

Crane maintenance

Many manufactures which use the crane always ignore the issue that the use of cranes and machinery maintenance is the same with the vehicle maintenance.

Crane unscheduled maintenance will cause some harm.

Motor's useful life reduced greatly and burn easily ,more worse ,the security incidents and casualty will happen.

If the electric hoist did not have a good maintenance , it will also cause casualties.

If the screws of the end beam and electric trolley loose , the shaft wear down , it will cause accident and casualty.

Crane is special equipment, the maintenance must be operated by professional people ,inappropriate maintenance will increase the rate of the incidents.

YUNDEL company has a professional after-sales maintenance services .we will sign a maintenance service contract after installing the crane ,we will bring the real benefits to our customers while improving crane operation system which can make operation more safe and efficient.

We set the safety and efficiency in the first place , at the same time , we bring the real benefit to our customers.

We promise that we provide five star quality crane to make your work more joyful.

YUNDEL company commitment:

No fakes

No low-end.

No counterfeit.

We have the soul of our enterprise,as are the soul of the product!

YUNDEL company produces the crane

Quality assurance two years

YUNDEL company for customers' service policy:

Within 12 hours of the response speed,

Within 48 hours of on-site solution speed (Jiangsu, Zhejiang and Shanghai)

Intimate and comprehensive maintenance plan

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This is YUNDEL company man, sincere dedication to customer service!



YUDEL
韵道机械

韵道的团队 YUNDEL STEEL TEAM

正如大自然中的老鹰和大雁一样，
韵道团队的宗旨就是使具有鹰一样能力的
员工能够像雁一样的一起合作。

最终形成一支在压力巨大、
时间紧迫情况下仍能快速决策
并坚决完成任务的鹰雁团队！

As the nature of the eagle and the wild goose,
YUNDEL team aim is to have the ability of
employees to be able to like an eagle like
wild geese together.

Finally in the formation of a huge time pressure,
pressing circumstances still rapid decision-making
and resolutely fulfill the task of Eagle goose team