

Welcome To Inquire

Professional manufacturer of special cranes in China
and electromechanical supporting supplier of special crane equipment.



Yangyu Mech The leader of cranes

- ✓ design ✓ manufacture ✓ marketing
- ✓ installation ✓ maintenance

Henan Yangyu Mech Co., LTD

Add : Weizhuang Industrial Zone, Changyuan , Henan

Email : sales@yangyumech.com

Website : www.yangyumech.com

Contact us : Telephone:(+86)157 3732 6866 Whatsapp: +86-157 3732 6866

.01

COMPANY STRENGTH

The company boasts a scientific management system, robust technical force, sophisticated production facilities and well-trained employees.



.02

MAIN PRODUCTS

Our company's main crane series, such as: electric hoist, electric trolley, single and double girder overhead cranes, gantry cranes, etc., are our star products!



.03

PRODUCT ACCESSORIES

In addition to our star main products, we also have product accessories, all in one place, to provide comprehensive peace of mind to meet your needs!



CATALOGS

■ ABOUT US

1. Company Introduction	03
-------------------------------	----

■ COMPANY PRODUCTS

1. New hoist	07
2. New trolley	09
3. hoist	11
4. trolley	13
5. Bridge Crane	
Single Girder Bridge Crane	15
Double Girder Bridge Crane	17
6. Gantry Crane	
Single Girder Gantry Crane.....	19
Double Girder Gantry Crane.....	21
7. Flower-frame Gantry Crane	23
8. Semi-gantry crane	25
9. Flexible light crane	27
10. Mobile Portable Crane	29
11. Jib Crane	31
12. Tire Gantry Crane	33
13. Road And Bridge Gantry Crane	35
14. Chain Hoist	37

■ PRODUCT ACCESSORIES

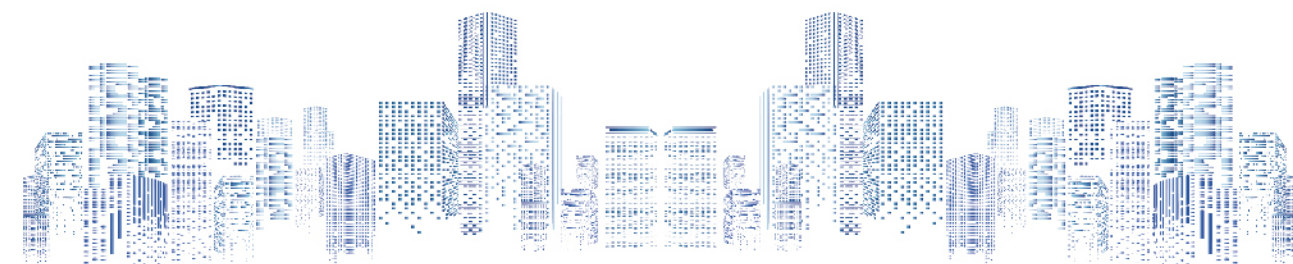
1. Welding Technology	39
2. Product Accessories	41

COMPANY INTRODUCTION

Henan Yangyu Mech Co., Ltd. is located in Changyuan, the well-known hometown of cranes. We are a professional manufacturer and service provider of supporting equipment that integrates R&D, design, marketing, installation and maintenance, and we are one of the most influential brands in the crane industry in China.



Our products have a global reputation, mainly including overhead cranes, gantry cranes, ship cranes, crane accessories, etc. The company has a professional R&D team of more than 50 members and has obtained over 80 scientific achievements at the national, provincial and municipal levels, laying a solid foundation for the production of high-quality products. Our professional team and outstanding technical strength make us your ideal partner and enable us to provide you with more comprehensive and high-quality services.



COMPANY PHILOSOPHY


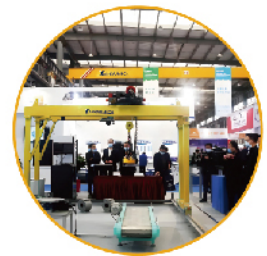


The company boasts a scientific management system, robust technical force, sophisticated production facilities and well-trained employees. The "Yangyu" brand lifting equipment, adhering to the principles of honest operation, superior quality and top-notch service, earns a high reputation among users! Sailing far and wide with a broad vision, the staff of Yangyu, upholding the spirit of "sailing far and wide", strive to become the industry leader, dedicate first-class products to customers and provide satisfactory services. We sincerely welcome friends from all walks of life to visit the company for inspection, guidance and cooperation!



Rigorous:
We have a first-class production technology team, the staff is more years of experience, product quality layers of control, innovation and excellent service quality as the core competitiveness, is committed to providing customers with the best quality products and services.

Reliable:
Entity factory, own research and development processing production, safe and reliable. Welcome all bosses to visit the factory, and we will also organize exhibitions around the country every year to show you the strength of our large factory.



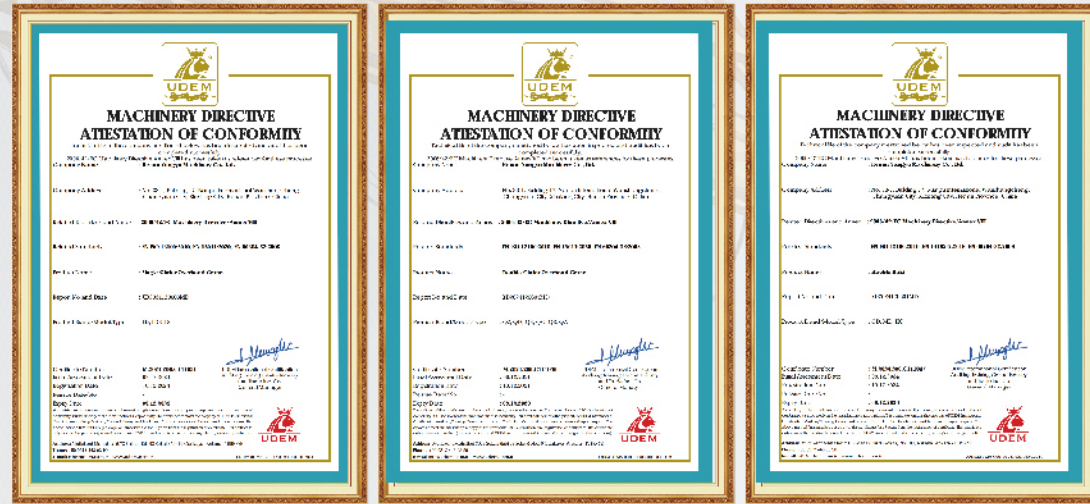
Capabilities:
We attach great importance to brand image and social responsibility, and always adhere to the core values of integrity, professionalism and innovation. Our enterprise has extensive businesses and partners worldwide and looks forward to achieving greater business value together with you!

Professional:
We have a professional business team, 24 hours a day online for your service, you only need to provide the products you need, our professionals will be the first time to provide you with the optimal program, to give you a different service experience.



Qualification Certificate

Our company has successively won a number of industry honors such as "National Quality Trustworthy Unit", "AAA-level Credit Enterprise", "National Excellent Service Provider", etc. These honors fully demonstrate our leading position and outstanding strength in the industry.

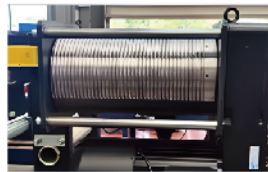


NEW HOIST



The new electric hoist adopts high-quality motor and reducer of the hoisting mechanism. The hoist motor, reducer, reel and limit switch feature an integrated and compact design, saving space for users. The lifting speed is faster and higher, and different pulley ratios can be selected.

The standard traveling mechanism of the trolley is controlled by the frequency converter, and the speed is 20m/min. When the trolley is traveling, the swinging amplitude of the lifted items is small, and the positioning is accurate, enabling it to reliably lift precise and valuable items.

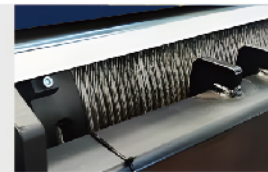


REEL

The reel is made of high-quality seamless pipes and processed by numeral control machine after the special finishing, the rope groove on reel works in coordination with the rope guide to efficiently prevent rope losing and tangling.

STEEL ROPE

Employ imported steel rope with high strength which has tensile strength of 2160 kN/mm², with good safety performance and a long service life.



MOTOR

The hoisting mechanism adopts a double-winding pole-changing squirrel-cage motor and a German-imported three-in-one reducer to achieve a speed ratio of 1:6. A thermal resistor is embedded in the winding group of the motor to prevent possible overheating of the motor.



Product Display



New Hoist Selection Chart



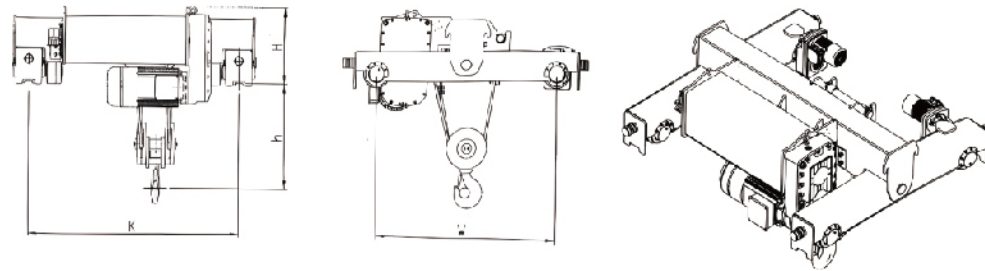
S.W.L (Kg)	FEM	ISO	Hoisting height(m)	Hoisting speed(m/min)	Travelling speed(m/min)	SizeH(mm)	Size C(mm)
1000	4M	M7	6/9/12/18	0.8/5.0	5~20	232	500
1250	3M	M6	6/9/12/18	0.8/5.0	5~20	232	500
1600	3M	M6	6/9/12/18	0.8/5.0	5~20	232	500
1600	2M	M5	6/9/12/18	1.6/10	5~20	232	500
2000	2M	M5	6/9/12/18	0.8/5.0	5~20	232	500
2000	3M	M6	6/9/12/18	1.3/8.0	5~20	232	500
2500	3M	M6	6/9/12/18	0.8/5.0	5~20	232	500
2500	3M	M6	6/9/12/18	1.0/6.3	5~20	232	500
2500	2M	M5	6/9/12/18	1.3/8.0	5~20	232	500
3200	2M	M5	6/9/12/18	0.8/5.0	5~20	232	500
3200	2M	M5	6/9/12/18	1.0/6.3	5~20	232	500
3200	1AM	M4	6/9/12/18	1.6/10	5~20	254	590
5000	2M	M5	6/9/12/18	0.8/5.0	5~20	254	590
5000	3M	M6	6/9/12/18	1/6.3	5~20	321	740
5000	2M	M5	6/9/12/18	1.6/10	5~20	321	740
6300	1AM	M4	6/9/12/18	0.8/5.0	5~20	254	590
6300	4M	M7	6/9/12/18	0.8/5.0	5~20	321	740
6300	2M	M5	6/9/12/18	1.3/8.0	5~20	321	740
8000	3M	M6	6/9/12/18	0.8/5.0	5~20	321	740
10000	1AM	M4	6/9/12/18	1.0/6.3	5~20	321	740
10000	2M	M5	6/9/12/18	0.8/5.0	5~20	321	740
10000	3M	M6	6/9/12/18	0.66/4.0	5~20	321	740
12500	1AM	M4	6/9/12/18	0.8/5.0	5~20	321	740
12500	2M	M5	6/9/12/18	0.6/4.0	5~20	321	740
12500	1AM	M4	6/9/12/18	1.0/6.3	5~20	321	740
12500	3M	M3	6/9/12/18	0.6/4.0	5~20	411	850
16000	2M	M5	6/9/12/18	0.6/4.0	5~20	411	850
20000	1AM	M4	6/9/12/18	0.6/4.0	5~20	411	850

*This sample data is only for selection reference, specific data please consult the technical department of Yangyu Machinery.

NEW TROLLEY



- ✓ Fixed parts, quality assurance: the combination of solid parts, fine and exquisite craftsmanship, quality assurance.
- ✓ High assembly accuracy and long service life: forged wheel sets, machined boring assembly, high assembly accuracy and long service life.
- ✓ Economical and durable: forged from high-quality manganese steel, it has high strength and abrasion resistance, is not easy to deform, and is not easy to break.
- ✓ Compact structure, small installation size, reliable fastening, easy maintenance.



K- Track distance from the trolley wheel tread to hook center when the hook moves to the up limit position
 h-The distance
 W-Trolley base distance
 H-The distance from trolley wheel tread to the highest point.

Product Advantage

NO.1

Excellent material, trustworthy

The entire product is made of superior materials, with stable quality.

NO.2

Manufacturer's supply

Factory direct shipments, without intermediate prices, to achieve true cost-effectiveness and benefit customers!

NO.3

Customized Complete specifications

We can customize all kinds of specifications according to customers' needs, and we will provide you with reference solutions.

New Trolley Selection Chart



S.W.L (Kg)	FEM	ISO	Hoisting height(m)	Hoisting speed(m/min)	Travelling speed(m/min)	SizeH(mm)	Size C(mm)
2000	4M	M6	6/9/12/18	0.8/5.0	5~20	463	350
3200	2M	M5	6/9/12/18	0.8/5.0	5~20	463	350
5000	2M	M5	6/9/12/18	0.8/5.0	5~20	463	350
6300	1AM	M4	6/9/12/18	0.8/5.0	5~20	463	350
8000	3M	M6	6/9/12/18	0.8/5.0	5~20	580	563
10000	1AM	M4	6/9/12/18	1.0/6.3	5~20	580	563
10000	2M	M5	6/9/12/18	0.8/5.0	5~20	580	563
10000	3M	M6	6/9/12/18	0.66/4.0	5~20	580	563
12500	1AM	M4	6/9/12/18	0.8/5.0	5~20	580	563
12500	1AM	M4	6/9/12/18	1.0/6.3	5~20	679	700
12500	2M	M5	6/9/12/18	0.6/4.0	5~20	679	700
16000	2M	M5	6/9/12/18	0.66/4.0	5~20	679	700
20000	1AM	M4	6/9/12/18	0.66/4.0	5~20	679	700
20000	2M	M5	6/9/12/18	0.53/3.4	5~20	679	700
20000	3M	M6	6/9/12/18	1.0/4.2	5~20	864	1000
25000	1AM	M4	6/9/12/18	0.53/3.4	5~20	864	1000
25000	3M	M6	6/9/12/18	0.8/3.3	5~20	864	1000
25000	2M	M5	6/9/12/18	1.0/4.2	5~20	864	1000
32000	2M	M5	6/9/12/18	0.8/3.3	5~20	864	1000
32000	2M	M5	6/9/12/18	0~4.9	5~20	1023	950
40000	1AM	M4	6/9/12/18	0~4.9	5~20	1023	950
50000	2M	M5	6/9/12/18	0~3.2	5~20	1023	950
50000	1AM	M4	6/9/12/18	0~4.1	5~20	1023	950
63000	1AM	M4	6/9/12/18	0~3.2	5~20	1023	950
63000	2M	M5	6/9/12/18	0~2.4	5~20	1023	1110
80000	1AM	M4	6/9/12/18	0~2.4	5~20	1023	1110

*This sample data is only for selection reference, specific data please consult the technical department of Yangyu Machinery.

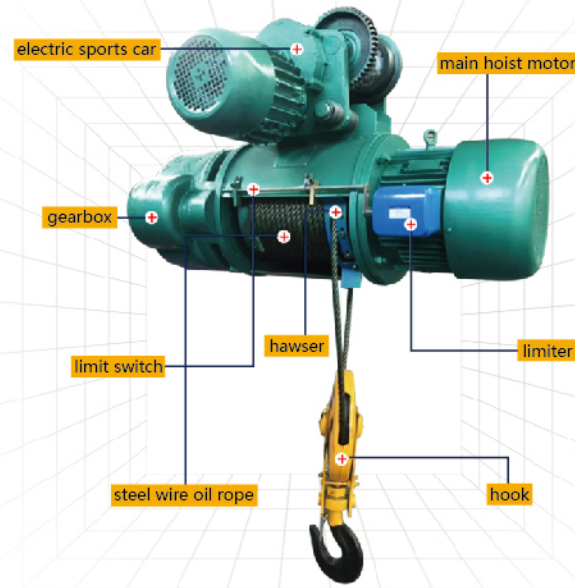
HOIST

The electric hoist is a kind of special lifting equipment that can be installed on single-girder, bridge, gantry and jib cranes.

The electric hoist has the characteristics of small volume, light dead weight, simple operation, firmness and wear resistance, and easy use, etc.

It is used in industrial and mining enterprises, factories, warehouses, docks and other places.

It is a necessary equipment to improve work efficiency and working conditions.



Product Display



Electric Hoist Details Show



01
Manganese steel hook
Hot forged; not easy to break. The lower hook can rotate 360°, with an anti-decoupling device to ensure operational safety.



02
Hoisting motor
Using a rectangular three-phase asynchronous motor with larger power, it has very strong durability.



03
Wire rope
Standard steel wire rope, with large load-bearing capacity, strong and durable.

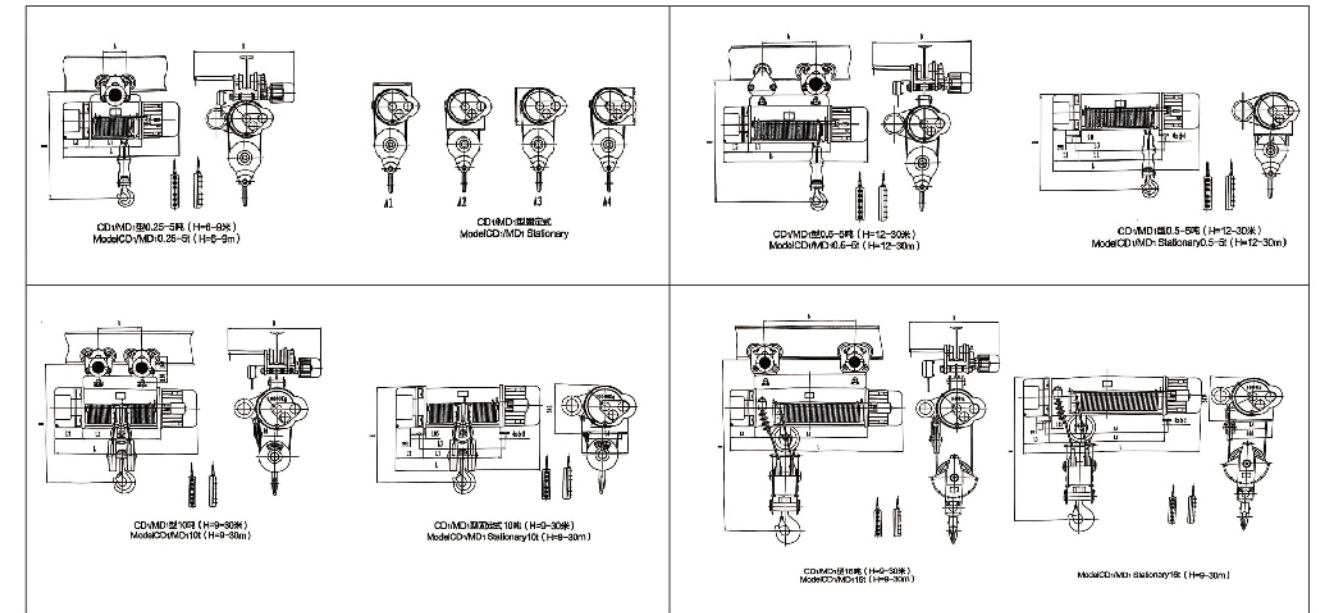


04
Control box and handle remote control
Excellent quality, with an anti-slip handle.



05
Limit device
Adopting the power-off principle, it effectively prevents the electric hoist from hitting the top and has strong durability.

Hoist Selection Chart



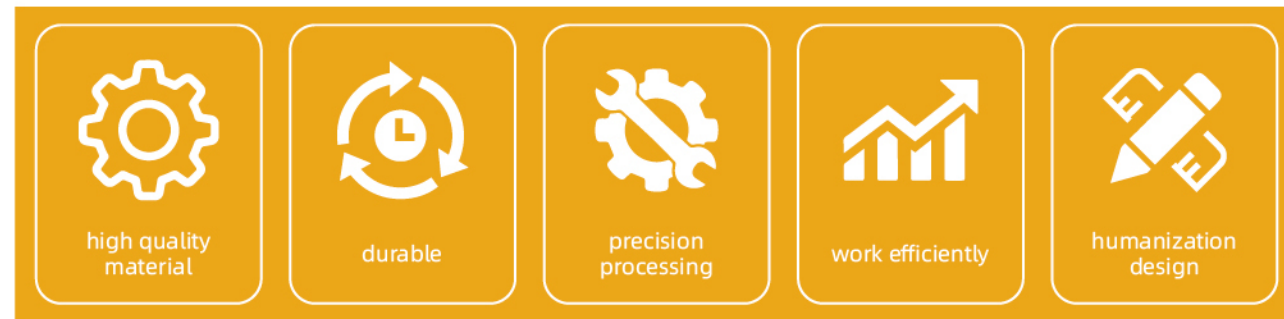
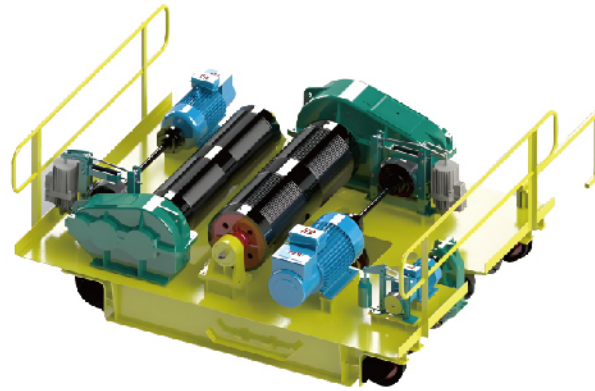
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*This sample data is only for selection reference, specific data please consult the technical department of Yangyu Machinery.

TROLLEY

Independent trolley structure

Adopting lightweight design, the lifting load acts directly on the running end beams on both sides of the trolley frame, clear force on the trolley, compact arrangement, high transmission efficiency, low noise, and the height and weight of the whole machine are reduced.



Product features:

compact mechanism, small volume, light weight, and large lifting capacity; Smooth operation, accurate and reliable transmission, and long service life;

When adopting the frequency conversion speed regulation mode, it can realize stepless speed regulation from zero to the maximum speed, and can provide 100% rated torque under low speed and locked-rotor conditions, with stable speed regulation; simple operation, large rope capacity, and convenient relocation;

Product applications:

construction, water conservancy projects, forestry, mines, docks.



Trolley Selection Chart

capacity (t)	working group	lifting height (m)	lifting speed (m/min)	rope reaving	running speed (m/min)	trolley gauge (mm)	trolley base distance (mm)	trolley height (mm)	hook upper limit (mm)	max wheel load	quantity (kg)	
3.2	M5	6	0.8/5.0	4/1	2-20	2-20	1500	800	450	11.9	510	
		9									525	
		12									540	
6.3	M5	6	0.8/5.0	4/1	2-20	2-20	1600	1000	450	20.9	632	
		9									652	
		12									672	
10	M5	6	0.8/5.0	4/1	2-20	2-20	1500	1000	441	30	871	
		9									896	
		12									921	
12.5	M5	6	0.66/4.0	4/1	2-20	2-20	1500	1000	441	40.5	890	
		9									915	
		12									940	
16	M5	6	0.66/4.0	4/1	2-20	2-20	1800	1200	518	59.4	1314	
		9									59.7	1348
		12									60	1381
20	M5	6	0.5/3.4	4/1	2-20	2-20	1800	1200	582	59.5	1718	
		9									1766	
		12									1814	
32	M5	6	0.8/3.3	6/1	2-20	2-20	2300	2200	740	95	2826	
		9									2920	
		12					104			3091		
		18								3199		
40	M5	6	0.82-4.9	8/1	2-20	2-20	2300	1770	731	124	9474	
		9									3563	
		12										
50	M5	6	0.53-3.2	12/2	2-20	2-20	2300	2000	821	97.1	4430	
		9					2800				97.8	4650
		12					3300				98.7	4970
63	M5	6	0.4-2.4	16/2	2-20	2-20	2200	2000	1050	112.1	5450	
		9					2800				112.5	5700
		12					3400				112.9	5950
80	M5	6	0.4-2.4	16/2	2-20	2-20	2300	2000	1110	140.3	5920	
		9					3000				140.7	6170
		12					3700				141.1	6420

*Base working system is M5, M4, M6, M7 can be customised according to present needs.

BRIDGE CRANE

“Single Girder Bridge Crane”

The bridge of single girder overhead travels longitudinally along the track laid on the overhead on both sides, which can make full use of the space under the bridge for lifting materials without being hindered by the ground equipment.

It is the most widely used and most numerous type of lifting machinery.

Specificities

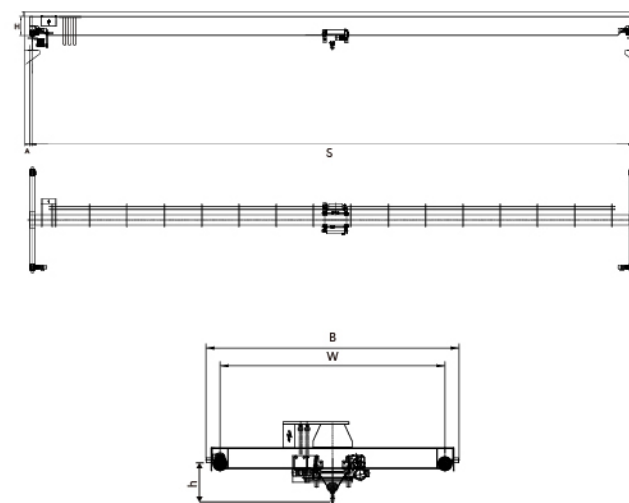
1. Simple and stable structure
2. High efficiency and space saving
3. Flexible and convenient operation
4. Easy to install and maintain
5. High safety

Wide range of application, Including factories, warehouses, docks, workshops, etc. It can be used for loading and unloading goods, production line operations, handling and many other industrial applications.



Blueprint

- S—crane span
- H—the distance from the top of the crane running track to the highest point of the crane
- h—distance from the top of the crane running rail when the crane hook is raised to its highest point
- A—distance from the center of the rail to the outside of the end beam of the big car
- W—wheelbase of the end beam of the trolley
- B—length of the end beam of the trolley (including buffer)



Single Girder Bridge Crane Selection Chart

capacity (t)	span (m)	lifting height (m)	working group	lifting speed (m/min)	weight		track	power rate (kW)	max wheel load (kW)	H	h	A	W	B		
					trolley (kg)	entire machine (kg)										
1	9.5	6 9 12 18	A5 (2m)	08/5	376	958	P24	4.58	8.76	710	260	183	1500	1928		
	11					1599			9.51							
	12.5					1723			10.45							
	16					2220			11.58							
	19.5					2835			13.06							
	22.5					3532			14.62							
	24					3774			16.1							
2	9.5	6 9 12 15 18	A5 (2m)	08/5	376	1625	P24	4.58	13.5	755	260	183	1500	1928		
	11					1784			14.46							
	12.5					1970			15.54							
	16					2371			17.47							
	19.5					3175			18.93							
	22.5					3726			20.39							
	24					4016			22.38							
3	9.5	6 9 12 15 18	A5 (2m)	08/5	376	1802	P24	4.58	18.96	755	260	183	1500	1928		
	11					2168			20.11							
	12.5					2350			21.85							
	16					2872			23.51							
	19.5					3854		25.45	4.94						675	492
	22.5					4549		27.06							755	512
	24					4855		30.6							755	541
5	9.5	6 9 12 15 18	A5 (2m)	08/5	531	2318	P24	7.84	28.2	666	505	183	1500	2674		
	11					2566			29.76							
	12.5					2816			31.8							
	16					3673			33.84						776	665
	19.5					4364		35.62	776							
	22.5					6392		39.78	896						665	
	24					5754		42.62	946							
10	9.5	6 9 12 15 18	A5 (2m)	08/5	928	3260	P38	12.66	51.85	762	762	183	1700	2238		
	11					3596			54.44							
	12.5					3896			57.7							
	16					4889			60.83						878	876
	19.5					5913			64						948	976
	22.5					7527			67.26						980	1006
	24					7975			71.36						1020	1006
16	9.5	6 9 12 15 18	A5 (2m)	0.66/4	1420	4284	P43	19.48	83.1	820	862	183	1700	2238		
	11					4846			86.1							
	12.5					5336			88.5							
	16					6305			93						980	990
	19.5					8111		98.4	1040						1080	
	22.5					9416		102.3	1110						1100	
	24					10065		104.2	1175						1100	
20	9.5	6 9 12 15 18	A5 (2m)	0.66/4	1420	4944	P43	19.48	101.1	870	862	183	1800	2338		
	11					5441			105.3							
	12.5					5906			107.1							
	16					6756			111.6						1025	990
	19.5					8307		117.1	1135						1080	
	22.5					8500		118	1260						1100	
	20					8500		20.28	118						1260	1100

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BRIDGE CRANE

“Double Girder Bridge Crane”

1、High stability

A double girder overhead crane consists of two main girders and a trolley that moves along the main girders. This design allows for very high stability and smooth operation even under heavy loads and high intensity winds.



2、Large tonnage

The tonnage range of double girder overhead cranes is very wide, from a few tons to hundreds of tons to meet different needs. At the same time, it can be customized to meet special needs, such as increasing the lifting height, lightweight, power, etc..



3、Remote operation

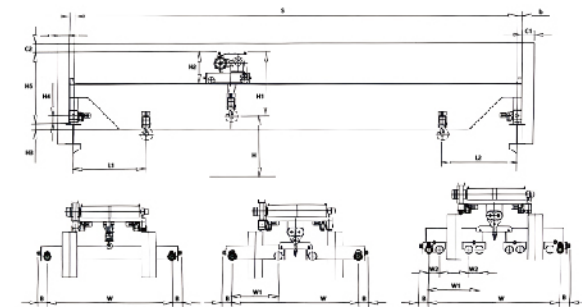
The driver of the crane can control the various operations of the crane from a distance, which is a great improvement in safety and efficiency. In addition, it can also operate lifts and other equipment by means of computerized maintenance, etc., thus realizing higher automation.



4、Multi-purpose

It can be used indoors and outdoors for a wide range of transportation and lifting tasks in places such as workshops, docks, warehouses and construction sites, making it highly adaptable. In addition, its small footprint can greatly save the site, thus saving cost and space.

Dimensions and parameters



H—Lifting height	V1—Lifting speed
V2—Trolley running speed	V3—Large trolley running speed
L1—Crane left limit	L2—Crane right limit
C1—Minimum limit at both ends of the crane	
C2—Minimum limit at the top of the crane	S—Crane span
H1—Distance from the center of the hook to the top of the crane trolley	
H2—Height of crane trolley	
H3—Distance from the bottom of the crane to the track surface of the trolley	
H4—Distance from the crane buffer to the track surface of the trolley	

H5—Distance from the top of the crane to the track surface of the trolley	W—Distance between the outermost two wheels of the crane
W1—Distance between the outermost two wheels of one corner of the crane	W2—Distance between the two wheels of the crane dolly
B—Distance between the outermost wheels of the crane from the end of the buffer	b—Distance between the crane's outermost end and the trolley rail
G—Weight of the whole crane trolley	K—Maximum wheel pressure of the crane
	P—Total power of the crane

Double Girder Bridge Crane Selection Chart

	H	(m)	22	S	H1	H2	H3	H4	H5	W	W1	W2	B	b	G vehicle weight(t)	K wheel pressure angle(kN)	track model	P total power (kw)
5t A5 FEM 2m	V1	m/min	10.5	10.5	1500	700	-150	250	1490	3150			260	135	4.7	43	38kg/m	8.24
	V2		20	13.5			-150								5.4	44		
	V3		32	16.5			-50								6.9	48		
	L1	(mm)	560	19.5			50								8.9	53		
	L2		>80	22.5			150								10.6	57		
	C1		>80	25.5			250								12.1	61		
	C2		>300	28.5			350								14.1	66		
			31.5	500	17.6	74												

	H	(m)	13	S	H1	H2	H3	H4	H5	W	W1	W2	B	b	G vehicle weight(t)	K wheel pressure angle(kN)	track model	P total power (kw)
20t A5 FEM 2m	V1	m/min	3.8	10.5	1890	750	-150	350	1750	3150			325	170	8	130	38kg/m	20.1
	V2		20	13.5			-50								9.5	134		
	V3		32	16.5			80								11.4	138		
	L1	(mm)	900	19.5			180								13.3	143		
	L2		1100	22.5			230								16.9	152		
	C1		>80	25.5			230								20.1	160		
	C2		>300	28.5			480								24.6	171		
			31.5	480	28.3	180												

	H	(m)	13	S	H1	H2	H3	H4	H5	W	W1	W2	B	b	G vehicle weight(t)	K wheel pressure angle(kN)	track model	P total power (kw)
25t A5 FEM 2m	V1	m/min	3.9	10.5	1900	750	-200	450	1850	4000			370	220	9.4	158	38kg/m	24.4
	V2		20	13.5			-50								10	160		
	V3		32	16.5			200								13.8	169		
	L1	(mm)	950	19.5			350								16.1	175		
	L2		1150	22.5			500								19	183		
	C1		>80	25.5			600								22	190		
	C2		>300	28.5			600								26.5	201		
			31.5	600	32.2	215												

	H	(m)	13	S	H1	H2	H3	H4	H5	W	W1	W2	B	b	G vehicle weight(t)	K wheel pressure angle(kN)	track model	P total power (kw)
32t A5 FEM 2m	V1	m/min	3.8	10.5	2100	950	-200	500	2150	4000			495	230	10.4	201	QU70	28.2
	V2		20	13.5			-50								11.5	204		
	V3		32	16.5			200								15.1	212		
	L1	(mm)	950	19.5			350								17.4	219		
	L2		1150	22.5			500								20.4	226		
	C1		>80	25.5			600								23.6	234		
	C2		>300	28.5			600								28.3	246		
			31.5	600	34.5	261												

	H	(m)	15	S	H1	H2	H3	H4	H5	W	W1	W2	B	b	G vehicle weight(t)	K wheel pressure angle(kN)	track model	P total power (kw)
80t A5 FEM 2m	V1	m/min	3.3	13.5	2850	1150	300	450	2330	5800	2200		495	230	18.5	255	QU80	73
	V2		20	16.5			300								34	264		
	V3		32	19.5			550								38	270		
	L1	(mm)	1000	22.5			550								42.5	275		
	L2		1150	25.5			550								50.5	285		
	C1		>80	28.5			550								60	297		
	C2		>300	31.5			550								69	308		

*This sample data is only for selection reference, specific data please consult the technical department of YangyuMachinery.

GANTRY CRANE



technological lead



safe and reliable



easy maintenance



compact design

“Single Girder Gantry Crane”

Single girder gantry crane are a cost-effective alternative wherever the installation of bridge cranes is impractical due to a need for a raised runway structure.

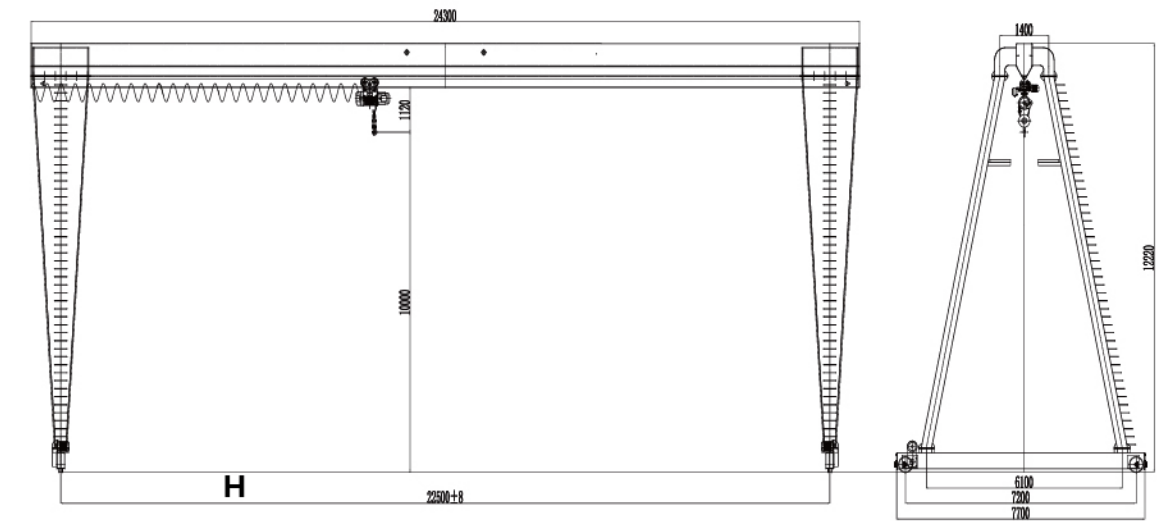
The features of single girder gantry crane mainly include: simple structure, easy operation, strong applicability, economical and practical, efficient handling, space optimization, and enhanced flexibility, Personalized customization, simple operation, safe and reliable.



These features make single girder gantry cranes in machinery manufacturing workshop, metallurgical workshop, petroleum, petrochemical, ports, railroads, civil aviation, Power station, paper, building materials, electronics and other industries are widely used.



Single Girder Gantry Crane Selection Chart



rated load (kg)	working level		lifting height	lifting speed	traversing speed	traveling speed
	FEM	ISO	M	M/Min	M/Min	M/Min
3000	1AM-4M	M3-M6	6/9/12/15/18	0.8/5	2~20	3~30
5000	1AM-4M	M3-M6	6/9/12/15/18	0.8/5	2~20	3~30
6300	1AM-4M	M3-M6	6/9/12/15/18	0.8/5	2~20	3~30
8000	1AM-4M	M3-M6	6/9/12/15/18	0.8/5	2~20	3~30
10000	1AM-4M	M3-M6	6/9/12/15/18	0.8/5	2~20	3~30
12500	1AM-3M	M3-M5	6/9/12/15/18	0.8/5	2~20	3~30
16000	1AM-3M	M3-M5	6/9/12/15/18	0.66/4	2~20	3~30
20000	1AM-3M	M3-M5	6/9/12/15/18	0.66/4	2~20	3~30
25000	1AM-3M	M3-M5	6/9/12/15/18	0.8/3.2	2~20	3~30
32000	1AM-3M	M3-M5	6/9/12/15/18	0.8/3.2	2~20	3~30

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“Double Girder Gantry Crane”

Double Girder Gantry Crane is a kind of lifting machinery with large load-bearing capacity and stability, which is suitable for industrial and mining enterprises, logistics places and other places where heavy loads need to be handled.

Specificities

1. large load-bearing capacity, able to withstand large loads, suitable for places where large and heavy objects need to be transported.
2. Stable structure, can ensure the safety and stability of the transportation objects.
3. simple operation, easy to use, can save labor, material resources and time costs.
4. strong adaptability, can be applied to all kinds of places, such as industrial and mining enterprises, logistics places and so on.

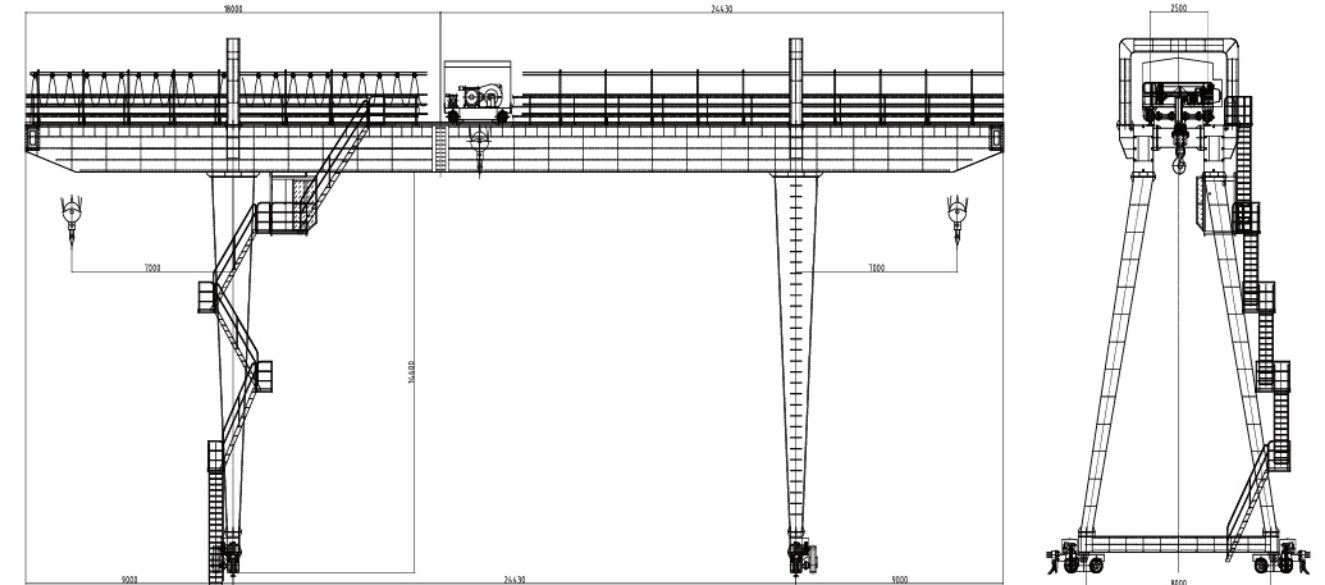


Product Advantages

1. large load-bearing capacity, suitable for industrial and mining enterprises, logistics sites and other places where heavy lifting is required to meet a variety of lifting needs.
2. cost savings, in the process of handling heavy objects, double girder gantry cranes in most cases only need a manipulator, can save labor costs.
3. Improve efficiency, double girder gantry cranes have good maneuverability, can quickly move goods, improve logistics efficiency.



Double Girder Gantry Crane Selection Chart



Capacity(t)	1, 2, 3, 5, 10	16,20/customizable				
span(m)	7.5-31.5/customizable					
Crane travel mechanism	Travel speed(m/min)	20	30	45	60	75
	Reducer ratio	58.78	38.38	26.36	19.37	15.88
	Motor Model	ZDY21-4			ZDY21-4	
	Motor Power(Kw)	2*0.8			2*1.5	
	MotorRotation(m/min)	1380				
Crane life and hoist travel	E1ectric hoist mode1	CD1 MD1				
	Lift speed(m/min)	8,0.8/8				
	Lift height(m)	6,9,12,18,24,30				
	Travel speed(m/min)	20(30)				
	Motor	taper squirrel cage type				
work duty	A3-A5					
power supply	380V/220V/415V/50hz/60hz					
wheel diameter	270mm 300 /400/500/600					
width of rail	37-70mmn					

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FLOWER-FRAME GANTRY CRANE

The flower-frame gantry crane can be ingeniously combined with the rail to expand the spacing of the lifting points and be hung on the roof or upper structure of the building. It is suitable for handling materials with many interfering objects on the factory floor, and the lifting point has sufficient strength to meet the suspension requirements.



Structural features

The main structure of the trellis-type gantry crane consists of two support legs (columns), a beam (crossbeam) spanning the two support legs, and a lifting trolley that can be moved on the crossbeam. This form of construction makes it possible to carry out material handling over a wide area.



Technical features

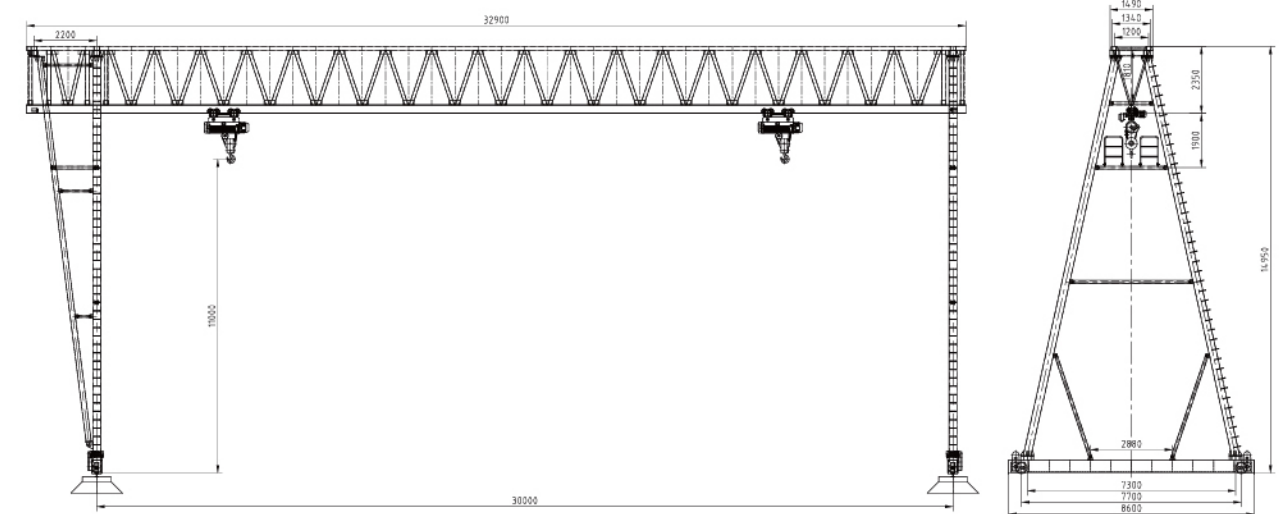
Modern trellis-type gantry cranes usually use remote control or automated control systems to improve the safety and efficiency of operation. Many trellis gantry cranes are designed with rails on which they can be moved, increasing their working range and flexibility.



Safety and Reliability

The structure of the gantry crane is designed with safety in mind, and the application of modern control systems further reduces operational risks. High reliability of the design and manufacture to ensure the long-term stable operation of the equipment.

Flower-frame Gantry Crane Selection Chart



Loading capacity	0.5-32t
lifting height	3-50 m or customized
Travling speed	0.3- 10 m/min
lifting mechanism	Wire rope hoist or electric chain hoist
Working class	A3-A8
Working temperature	20~40°C
Power supply	Ac-3Phase-220/230/380/400/415/440V-50/60HZ
Control voltage	DC-36V
Motor protector class	IP54/IP55

*This sample data is only for selection reference, specific data please consult the technical department of Yangyu Machinery.

Scope of application:

mainly used for outdoor cargo yards, open warehouses, mining yards, construction projects, yard cargo, port yards, bulk cargo loading and unloading operations.





SEMI-GANTRY CRANE

Semi-gantry cranes are cranes in which one end of the bridge beam is directly supported on the rail and the other end is supported on the rail by outriggers.

Workshops, automobile repair factories, mines, civil construction sites and the need for lifting occasions.

Commonly used in building construction both for material transportation and construction personnel up and down to achieve lifting mechanization. Can reduce manpower, reduce production and operating costs, improve work efficiency.

Particulars Showcase

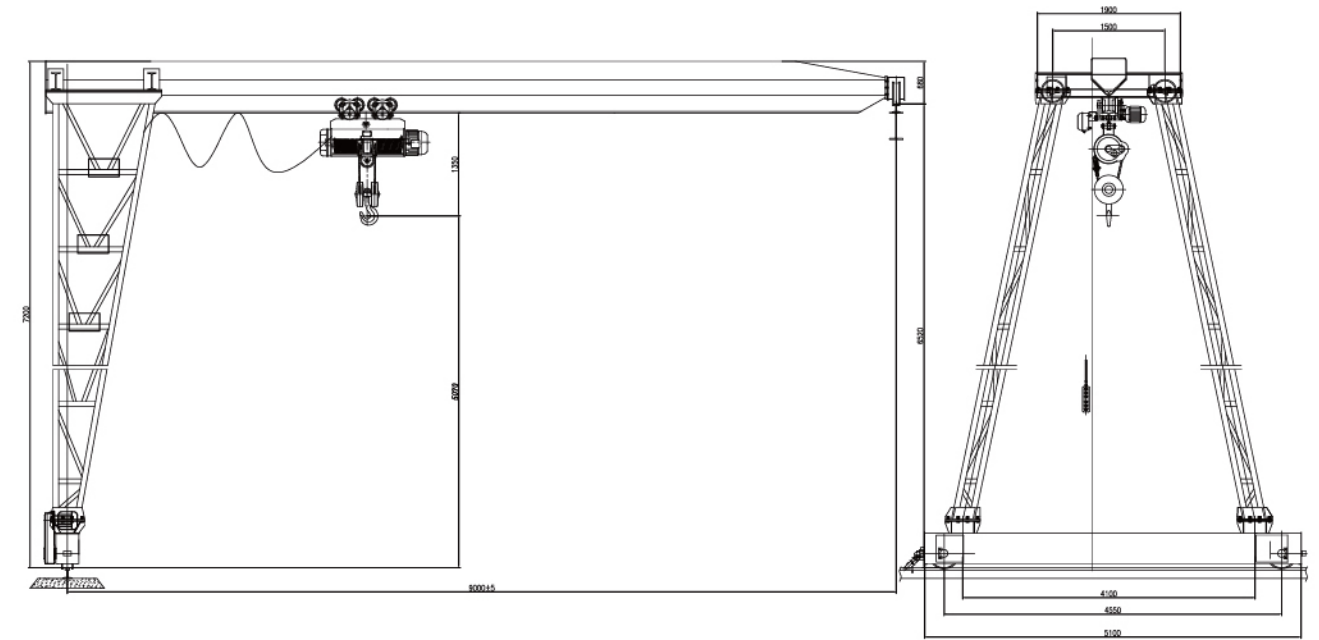


Product Features

- 1 Large lifting capacity: capable of handling very heavy goods, lifting capacity can reach hundreds or even thousands of tons.
- 2 Large span: according to the need, it can be designed into a large span, suitable for material handling in a wide field.
- 3 High efficiency: the trolley can move quickly on the beam, which greatly improves the handling efficiency.
- 4 Wide range of application: Whether indoor or outdoor, harbor or factory, it can be adapted to different working environments.
- 5 Good safety: the structural design of the gantry crane takes into account the safety factor, and the application of modern control system further reduces the operation risk. High reliability, easy maintenance.



Semi-gantry Crane Selection Chart

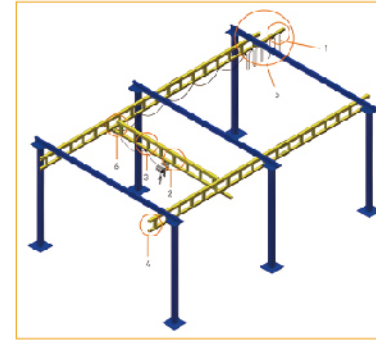


Mechanism		Item	Unit	Result
Item				
Lifting capacity			ton	2-10
Lifting height			m	6 9
Span			m	10-20
Working environment temperature			°C	-20~40
Travelling mechanism	Travelling speed	Ground	m/min	20
		Controlling Room		20 30 40
Lifting mechanism	lifting speed		m/min	8 0.8/8 7 0.7/7
	travelling speed			m/min
working system			A5	
power source			three-phase 380V 50HZ	

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FLEXIBLE LIGHT CRANE

A cost-effective solution for rated loads of up to 2000 kg and spans of up to 10 meters, the Light Duty Crane System offers an ergonomic and cost-effective solution to conventional suspension lifting systems, especially for applications with height and space constraints. Rugged design capabilities and high manufacturing standards ensure long service life and low maintenance.



Product Characteristics

1. Maximum load 2000kg
2. Span up to 10 meters
3. Modular design is expandable
4. Cost-effective
5. Easy to install with various support frames
6. Various installation methods
7. Connectivity with future or existing suspension conveyo systems
8. Telescopic boom crane
9. Manual or electric operation
10. Self-supporting floor or ceiling suspended crane systems
11. Product components can be gold or silver plated



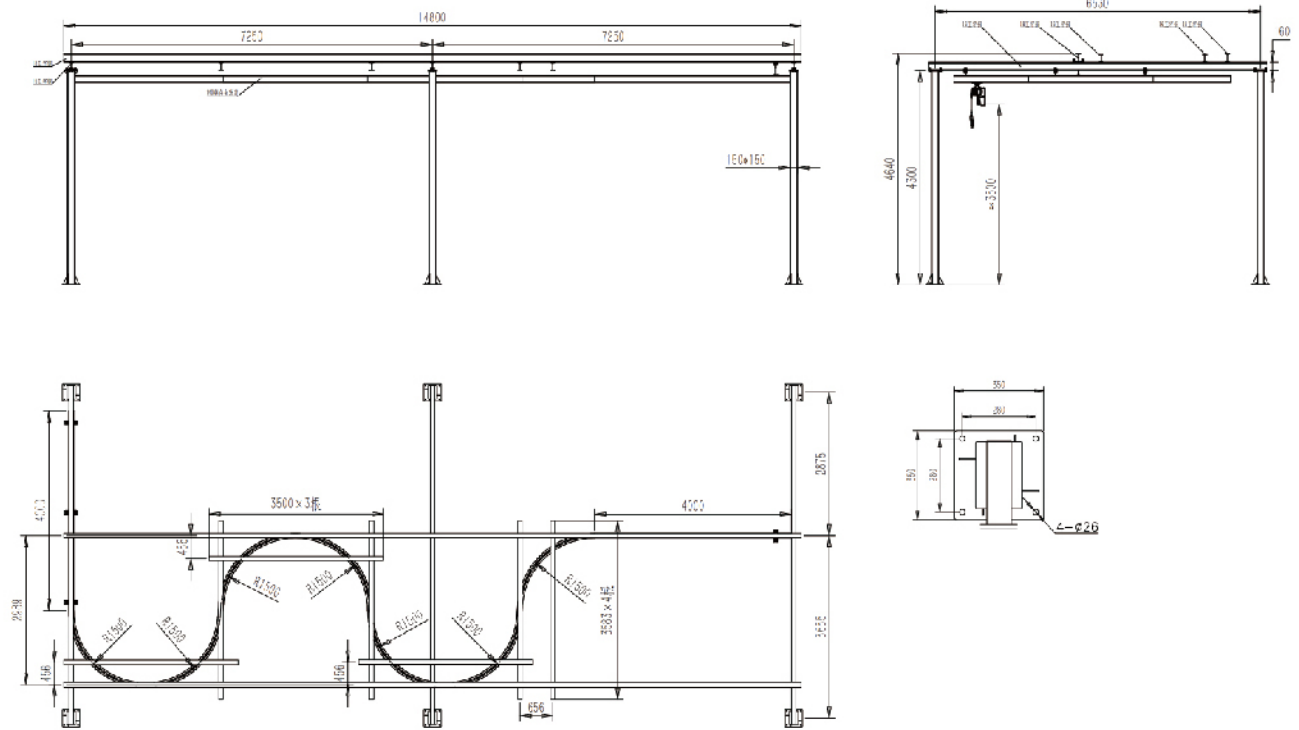
Two sizes and styles



kbk flexible crane

kbk steel crane

Flexible Light Crane Selection Chart



lifting capacity (kg) / size(mm)	125	250	500	1000
L	9000	8000	7000	4000
LK	8500	7500	6500	3500
L2	95	95	95	220
L3	645	585	525	470
B	190	190	190	460
H	808	898	948	1071
h	335	335	335	349

*This sample data is only for selection reference, specific data please consult the technical department of Yangyu Machinery.

MOBILE PORTABLE GANTRY CRANE



The main features of portable gantry cranes are their light weight, easy mobility and simple operation.

Due to its simple structure, quick dismantling and installation characteristics, small footprint and versatility, it is widely used in factories, mines, workshops, Field, warehouse small equipment installation, cargo and workpiece loading and unloading, as well as wharf, building low and not suitable for erection of traveling crane and other places.

Product Matching



Product Features



Brand new steel, the body is made of high quality steel plate, sturdy and durable.



Lifting device High and low adjustable, the overall increase in steel thickening, lifting a wider range of.

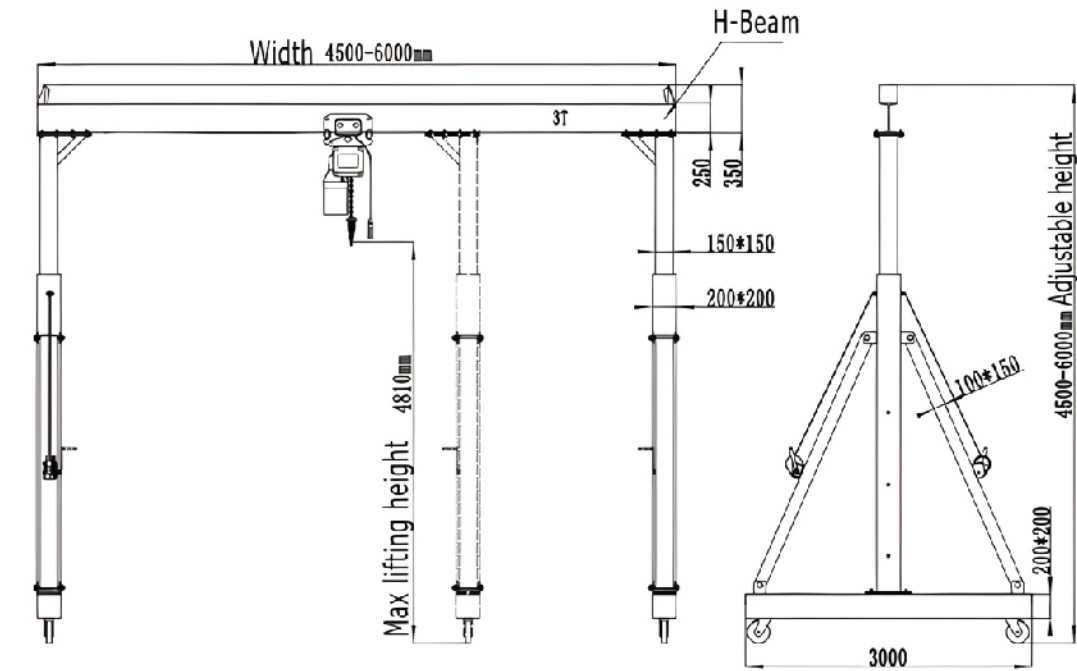


Flat and uniform welding points, precise interface overlap, durable and load-bearing strong.



Universal casters, 360°swivel, with brake, easy to move, lifting heavy objects more safely.

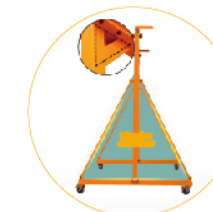
Mobile Portable Gantry Crane Selection Chart



Type	Capacity	Equipment width(mm)			Equipment height (mm)	Height of use (mm)		Adjustable range(mm)	Configuration and Dimensions
		W	W1	W2		H	H1		
FT2-0.5	0.5T	4000	3800	1500	2600-4000	1900-3300	1400	Hand-push universal casters with brakes, optional electric operation; according to the actual needs of the height and width of the body size and height adjustable range	
FT2-01	4T	4000	3760	1500	2600-4000	1800-3200	1400		
FT2-02	2T	4000	3700	1500	2600-4000	1650.3050	1400		
FT2-03	3T	4000	3700	1500	2600-4000	1500-2900	1400		
FT2-05	5T	4000	3640	1500	2600-4000	1300-2700	1400		



High-strength screws Strong connection, effectively fix the steel plate, stable and durable, safer to use.



Precisely calculated triangular proportions are made to adjust with changes in height to maximize stability.

JIB CRANE

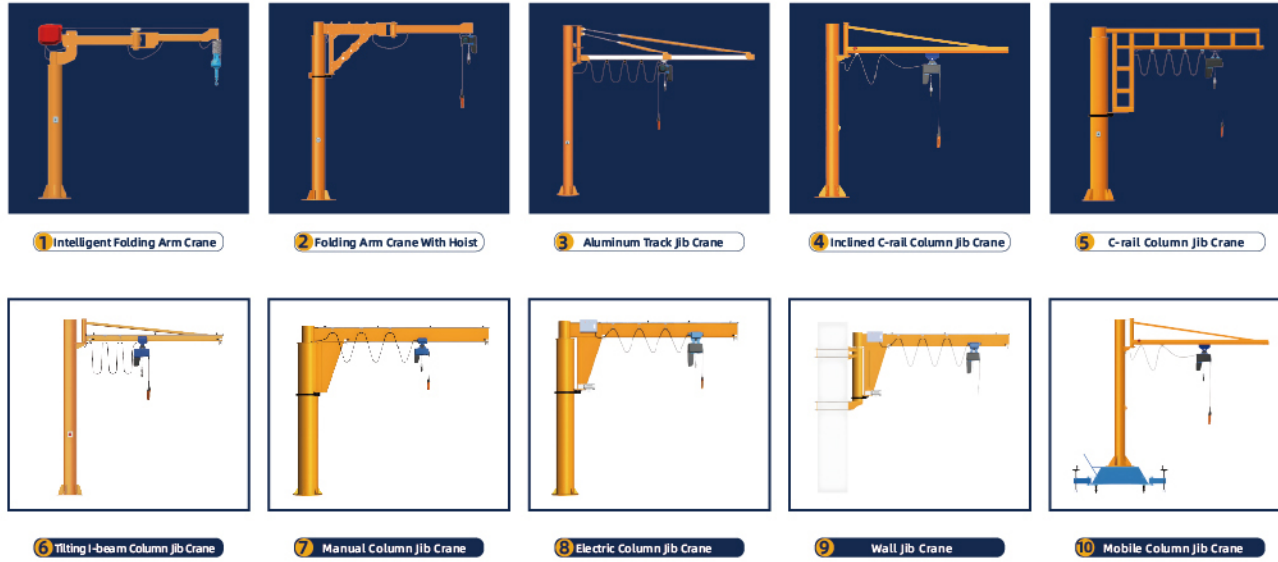
The characteristics of jib cranes mainly include small working intensity, novel and reasonable structure, convenient operation, flexible slewing, large working space, flexible mobility, wide adaptability and so on.

Rapid Shipment

Many Years Of Experience

Many Kinds Of Specification

Jib Crane Series

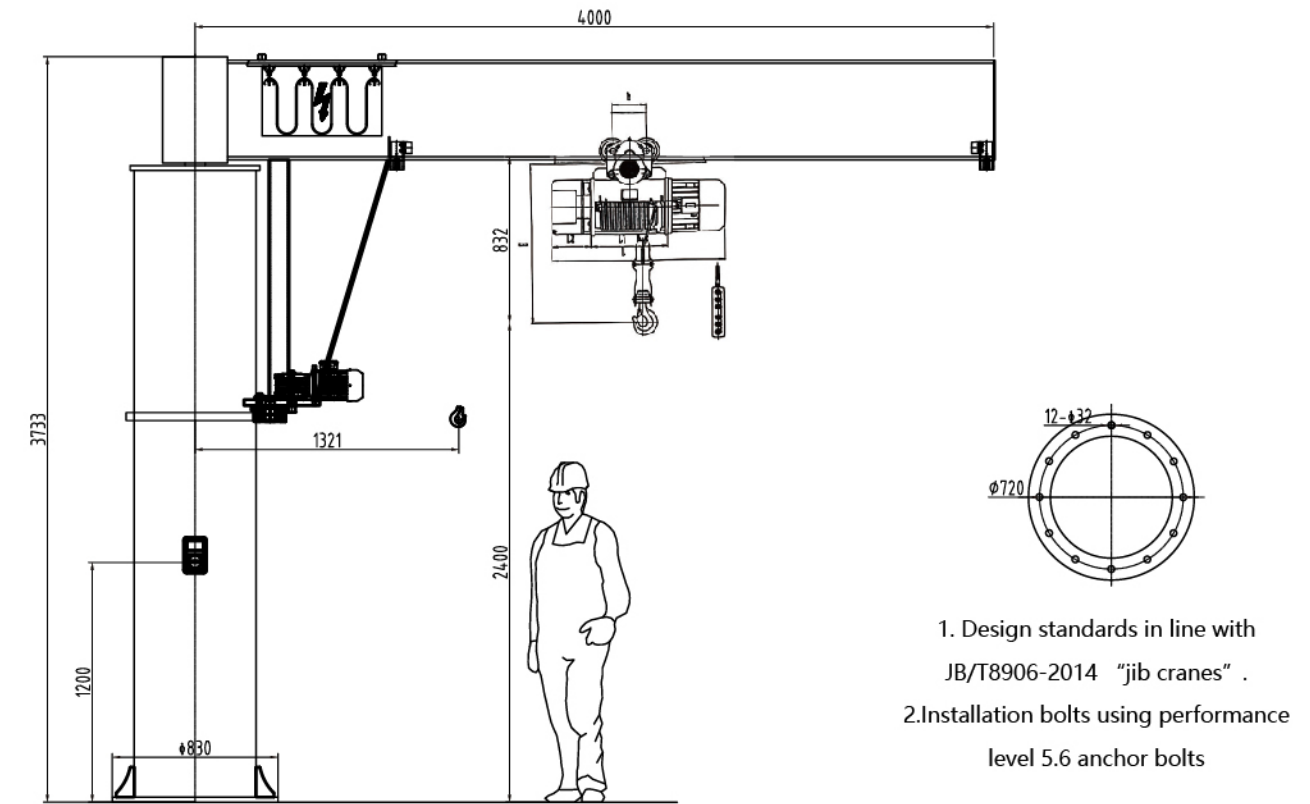


In addition, the jib crane is also suitable for short distance, frequent use, intensive lifting operations, with high efficiency, energy saving, land saving. Easy to operate and maintain and other characteristics.

This crane has the advantages of novel structure, reasonable, simple, easy to operate, flexible slewing, large working space, etc., and is Energy-saving and efficient material lifting equipment, widely used in factories, mines, workshops, production lines, assembly lines and machine tools up and down the work and warehouses, docks and other occasions of heavy lifting.



Jib Crane Selection Chart



Lifting capacity	T	0.25	0.5	1	2	3	5
Lifting height	mm	3000	3000	3000	3000	4000	4000
Maximum turning radius	mm	3000	3000	3000	3000	4000	4000
Minimum turning radius	mm	1100	1250	1300	1300	1200	1100
Slewing angle	°C	360/180	360/180	360/180	360/180	360/180	360/180
Lifting speed	m / min						
	normal speed	4; 10; 8	5; 10; 8	5; 8	4; 8	8	8
	slow speed	1; 2.5; 0.8	1; 2.5; 2.5	1; 2.5; 2; 0.8	1; 0.8	0.8	0.8
Running speed	Normal speed	14; 20	14; 20	14; 20	14; 20	20	20
Slewing speed	RPM/min	0.7	0.7	0.7	0.7	0.6	0.6
Self-weight	KG	950	1100	1800	2100	3500	4500

*The exact size of the product is subject to the physical object, the above picture parameters are for reference only.

TIRE GANTRY CRANE



The tire traveling gantry crane is a type of gantry crane that uses tires to replace steel wheels for traveling on the basis of the box-shaped gantry crane. It has the advantages of high speed, high working efficiency and no need to pave the subgrade.



1 Easy To Move

It can be easily moved and steered within the construction site, which improves operational efficiency.

2 Strong Adaptability

Because the tire crane does not need a fixed foundation or a fixed site, it can be applied to all types of terrain and construction environment.



3 Strong Flexibility

Tire cranes are flexible to turn, and the equipment jib distance is shortened as much as possible, which effectively improves the operating range.



4 High Safety

The compact structure of the tire crane is equipped with a number of safety systems to ensure the safety and stability of the operation.



Tire Gantry Crane Selection Chart

Capacity	t	30	35	40.5	40.5	50
Span	s(m)	18~35	18~35	18~35	18~35	18~35
Lifting height	m	12.3~21	12.3~21	12.3~21	12.3~21	12.3~21
Lifting speed	m/min	12.5	9.5	10	10	9.2
Trolley speed	m/min	56	48	48	48	45
Crane speed	m/min	50	44.3	44.3	44.3	42
Container		20'40'	20'40'45	20'40'45	20'40'45	20'40' 45'
Work duty		A6~A8	A6~A8	A6~A8	A6~A8	A6~A8
Track type		QU80	QU80 QU100	QU80 QU100	QU80 QU100	QU100 QU120

*The exact size of the product is subject to the physical object, the above picture parameters are for reference only.

ROAD AND BRIDGE GANTRY CRANE

Product Features

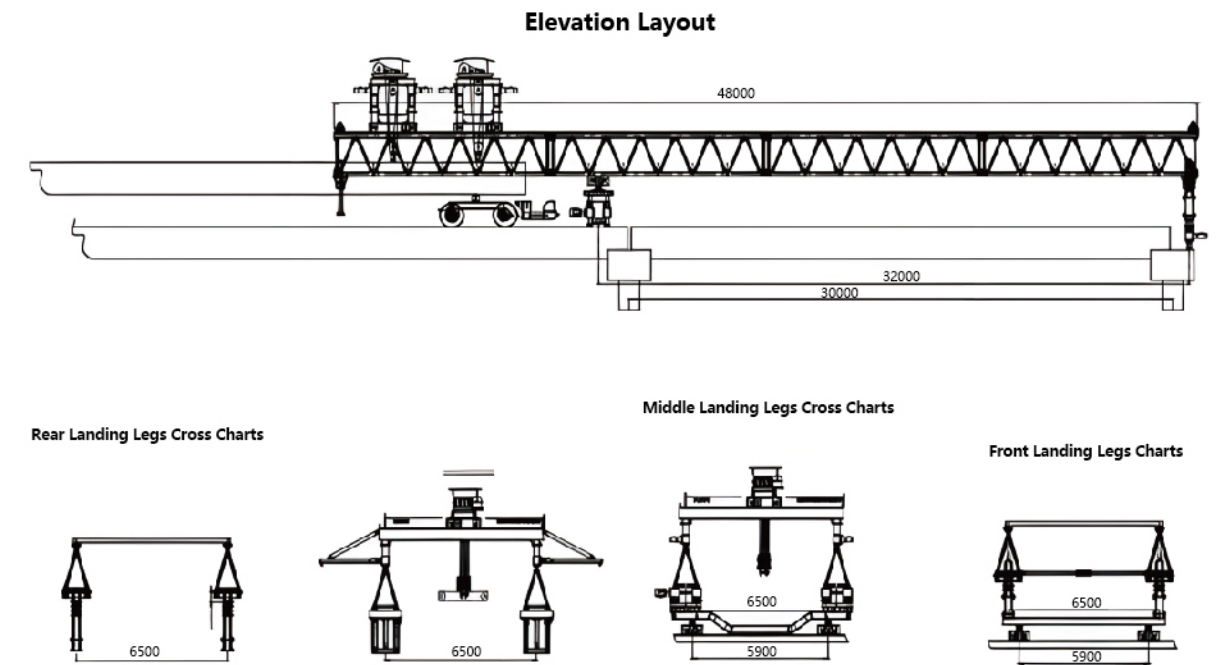
1. The span can be adjusted arbitrarily.
2. The height can be adjusted arbitrarily.
3. Adopt high-end configuration to ensure extremely low failure rate.
4. Resistant to corrosion and more reasonable in force-bearing.
5. Strong load-bearing capacity. In lifting operations, due to its stable and firm structure, it has relatively strong load-bearing capacity and can play a very good load-bearing role.
6. Flexible in operation. With an electric control system, it can complete a variety of lifting operations, and the operation is flexible and convenient.
7. Strong wind resistance. The structural design is reasonable and has good wind resistance. It can still carry out lifting operations normally in strong wind weather.



The main girder structure is a truss structure, which has the advantages of advanced structure, reasonable mechanical properties, light weight, large stiffness, simple operation, convenient use, safe and reliable, and convenient disassembly. Simple operation, convenient operation, safe and reliable.



Road And Bridge Gantry Crane Selection Chart



Lifting capacity (t)	200	160	120	100	80
applicable span (m)	≤ 55	≤ 50	≤ 40	≤ 35	≤ 30
applicable skew bridge angle	0-450	0-450	0-450	0-450	0-450
trolley lifting speed (m/min)	0.8	0.8	0.8	1.27	0.8
rolley longitudinal moving speed (m/min)	4.25	4.25	4.25	4.25	4.25
cart longitudinal moving speed (m/min)	4.25	4.25	4.25	4.25	4.25
cart transverse moving speed (m/min)t	2.45	2.45	2.45	2.45	2.45
ransportation capacity(t)	100x2	80x2	60x2	50x2	50x2
speed of bridge transport vehicle (m/min)	8.5	8.5	8.5	8.5	8.5
return speed (m/min)	17	17	17	17	17

*The exact size of the product is subject to the physical object, the above picture parameters are for reference only.

Product Applications

Highway and railway bridge engineering, shipbuilding engineering, construction and water conservancy projects, precast concrete component yards, docks, and freight yards.



CHAIN HOIST

Yangyumech series chain hoist shell is light and solid, with good heat dissipation performance, and can be used under relatively bad working conditions. The motor is low noise, safe and reliable. Reverse phase protection device ensures safe use. The chain is made of imported FEC80 super heat treated alloy steel chain. The hook is hot forged with high strength and is not easy to break. With kbc flexible crane, it is very suitable for use on various assembly lines.

Product Features

Pure copper motor: conductive rapid, lower heat, continuous work without burning machine.



Aluminum housing is waterproof, rustproof and corrosion-resistant; combined with a powerful internal fan, the heat dissipation transfer is faster and more robust.



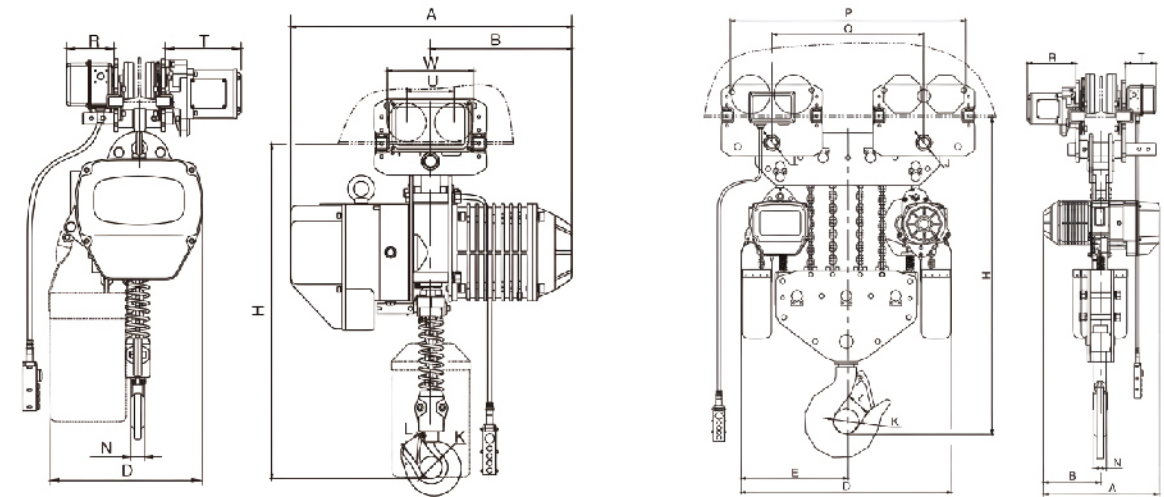
Manganese steel alloy chain, medium frequency quenching heat treatment process: strong and durable, strong toughness, wear-resistant.



Limit switch, safety protection, to prevent overtopping: limit device for lifting up and down, automatic stop when it reaches the limit, preventing from overtopping, safer to use.



Chain Hoist Selection Chart



type	capacity (ton)	lifting height (m)	lifting speed (m/min)	Lifting motor									
				power (kw)									
FW00501	0.5	3/9	6.8	0.75	1440	3	380	50					
FW0102	1	3/9	3.4	0.75	1440	3	380	50					
FW0101	1	3/9	6.6	1.5	1440	3	380	50					
FW01501	1.5	3/9	8.8	3	1440	3	380	50					
FW0201	2	3/9	6.6	3	1440	3	380	50					
FW0202	2	3/9	3.3	1.5	1440	3	380	50					
FW02501	2.5	3/9	5.4	3	1440	3	380	50					
FW0301	3	3/9	5.4	3	1440	3	380	50					
FW0302	3	3/9	4.4	3	1440	3	380	50					
FW0303	3	3/9	2.2	1.5	1440	3	380	50					
FW0502	5	3/9	2.7	3	1440	3	380	50					
type	capacity (ton)	Unit(mm)											
		H	A	B	D	E							
FW00501	0.5	540	455	240	285	165	φ34	28	φ34	25	19	19	φ6.3
FW0102	1	575	455	240	285	165	φ34	28	φ34	25	19	19	φ6.3
FW0101	1	650	520	260	300	176	φ42	32	φ42	32	24	24	φ7.1
FW01501	1.5	800	615	295	430	265	φ49	40	φ49	40	30	30	φ10
FW0201	2	800	615	295	430	265	φ49	40	φ49	40	30	30	φ10
FW0202	2	835	520	260	300	236	φ49	40	φ49	40	30	30	φ7.1
FW02501	2.5	845	615	295	430	265	φ59	48	φ59	48	35	35	φ11.2
FW0301	3	845	615	295	430	265	φ59	48	φ59	48	35	35	φ11.2
FW0302	3	950	615	295	430	320	φ59	48	φ59	48	35	35	φ10
FW0303	3	950	520	260	350	205	φ59	48	φ59	48	35	35	φ7.1
FW0502	5	1030	615	295	430	325	φ60	48	φ60	48	43	43	φ11.2

*The exact size of the product is subject to the physical object, the above picture parameters are for reference only.

Product Classification



Hook type

Normal operating type

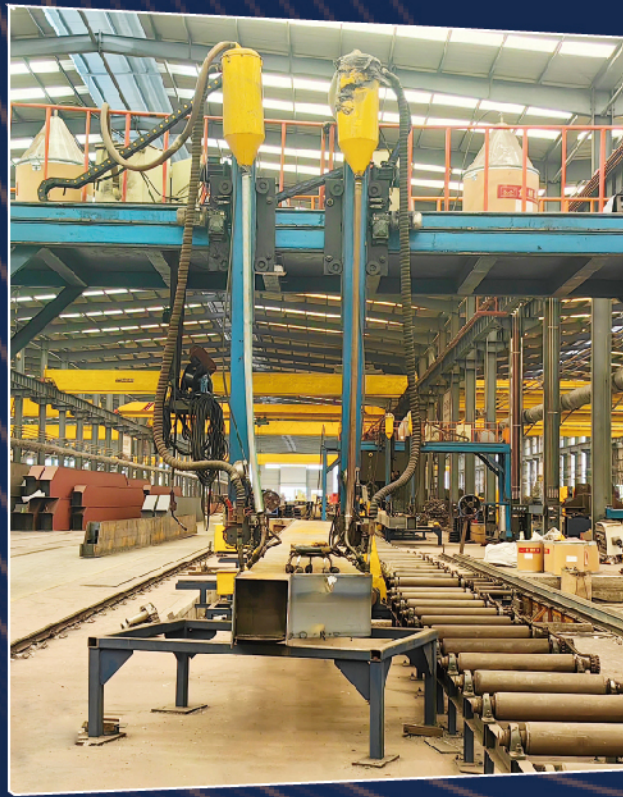
Ultra low fixed type

Ultra low operating type

Double hook type use for assembly line

Clean running type

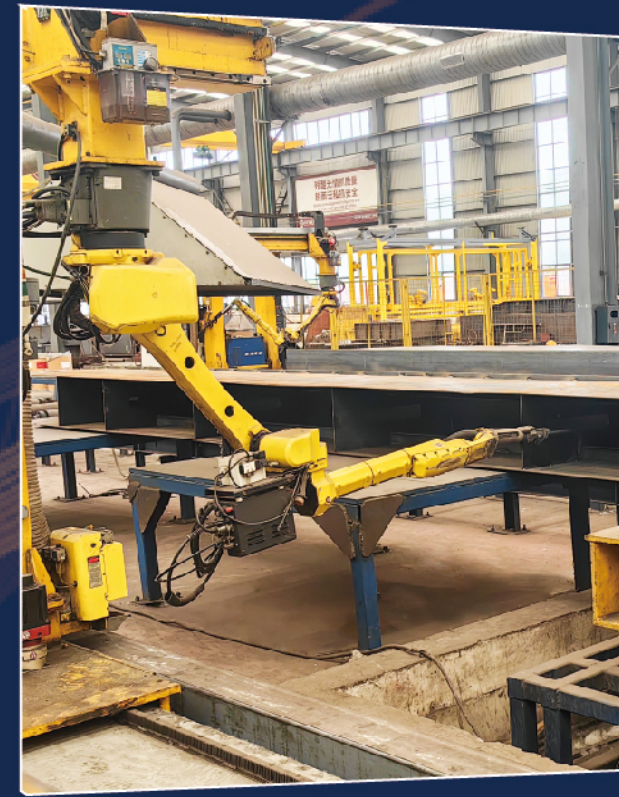
WELDING TECHNOLOGY



Main Girder Welding Equipment



Main Girder Welding Process



Main Girder Welding Equipment



Main Girder Internal Welding Process

1. Basic Requirements

A crane is a commonly used equipment in industrial production, and its welding quality has an important impact on the safety and service life of the equipment. In the manufacturing and maintenance process of the crane, it is necessary to weld strictly in accordance with relevant standards and specifications, and conduct corresponding quality inspection and maintenance.

2. Welding Materials And Equipment

In the welding of the crane, the main welding materials used include steel, welding wire, welding electrode, etc. At the same time, corresponding welding equipment such as arc welders and gas shielded welders is also required.

3. Characteristics of welding process

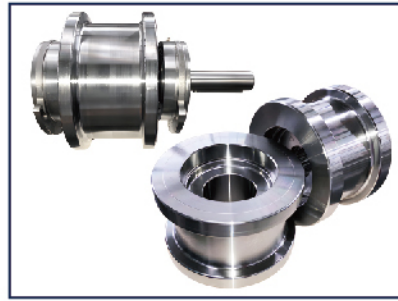
- ① Strong connection: Welding is a process of heating the workpiece to melt it and forming an oxide layer after cooling to connect the workpieces together. The connection is stable and can withstand high forces and pressures.
 - ② Adapt to the connection of various materials: Whether it is the same material or different materials, as long as a certain fusion zone can be formed after heating, it can be welded.
 - ③ Flexible process and strong adaptability: Welding can be carried out manually, semi-automatically or fully automatically, and is suitable for various application scenarios.
- When welding, there are very high requirements for the shape, size, environment, and safety of the workpiece.

Big Brand, Trustworthy

PRODUCT ACCESSORIES



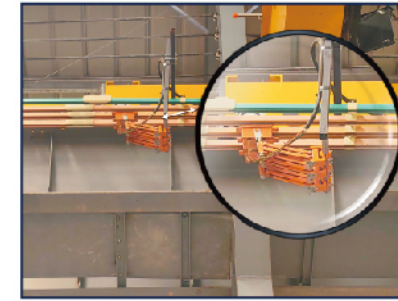
Remote Control



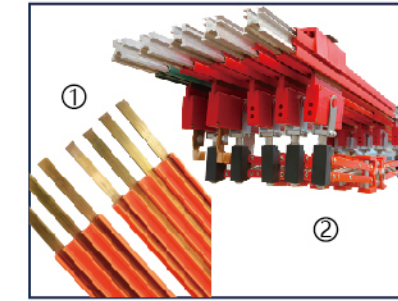
Driving Wheel



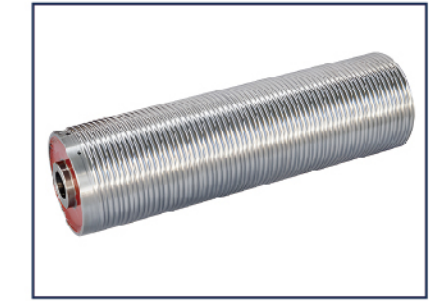
Hook



Power Supply System



Generatrix



Wire Reel



Grab Bucket



Lifting Equipment



Flat Car



A Capstan



Cable Reel



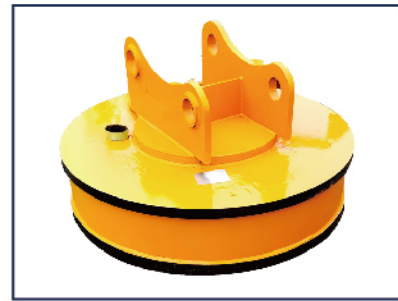
Heavy Duty Hand Winch



Limiter



End Beam



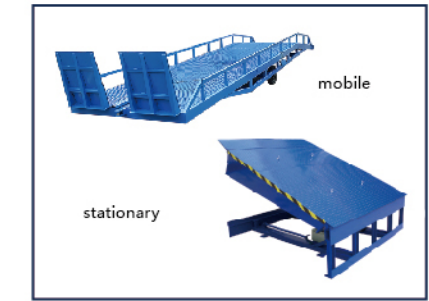
Electromagnetic Suction Cup



Crane Cab



Fixed Guide Rail Freight Elevator



Boarding Bridge



Lifting Platform



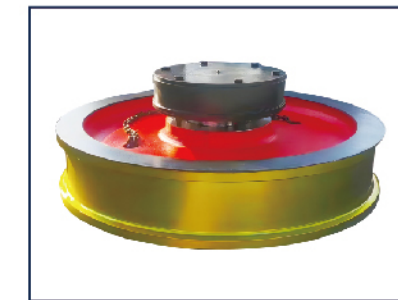
Motor Reducer



Hydraulic Rail Clamp



Multi-function Lifting Capacity Limiter



Travel Wheel



Infrared (Ray)