

## 2017 Product Catalog

*professional crane manufacturer*



**DGCRANE**  
Xinxiang Degong Machinery Co., Ltd

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ADD: Unit 1, Gongyuan Int'l Building, Jinsui Road, Xinxiang City, Henan Province



Xinxiang degong machinery co.,ltd began it's construction in Dec . 2010 with 158,809,900.00RMB registered capital, based in China. it's now a large-enterprise group in the fields of researching, developing and producing crane machines to contribute for machinery and equipment industry.

Company Building Information:  
Total building size:298,282.00m²  
Number of buildings: 36  
Office size:11,200.00m²

Nearest Port:	Qingdao Port, Tianjin Port			
Accepted Payment Terms:	<input checked="" type="checkbox"/> FOB	<input checked="" type="checkbox"/> CIF	<input checked="" type="checkbox"/> EXW	<input checked="" type="checkbox"/> CFR
Accepted Payment Type:	<input checked="" type="checkbox"/> L/C	<input checked="" type="checkbox"/> T/T	<input checked="" type="checkbox"/> Credit Card	
	<input checked="" type="checkbox"/> Cash	<input checked="" type="checkbox"/> West Union	<input type="checkbox"/> Money Gram	
	<input checked="" type="checkbox"/> Paypal	<input type="checkbox"/> Moneybooker		
Average lead time from product order confirmation to production delivery (products existing the factory):	30 days			

Employee Headcount				Employee Headcount				
Department Name	Full Time Employee(s)	Part-Time Employee (s)	Total	Department Name	Name	Title	Education	Year(s) in Current Company
GM	1	0	1	GM	Mr Side Jin	GM	Junior college graduate	2
Vice GM	1	0	1	Vice GM	Mr Yingxin Cai	Vice GM	Junior college graduate	9
Vice GM	1	0	1	Vice GM	Mr Wusheng Zhao	Vice GM	Junior college graduate	2
Vice GM	1	0	1	Vice GM	Ms Tianrong Qin	Vice GM	University graduate	9
HR Dept	4	0	4	HR Dept	Mr Yuanding Zhang	HR Dept	Junior college graduate	4
Technical Dept	28	0	28	Technical Dept	Mr Liang Hong	Technical Dept	University graduate	9
Quality Dept	32	0	32	Quality Dept	Ms Aihong Gao	Quality Dept	Junior college graduate	3
Mfg.Dept	861	0	861	Mfg.Dept	Mr Shujun Fan	Mfg.Dept	Technical school graduate	9
Purchase Dept	7	0	7	Purchase Dept	Mr Lishi Zhang	Purchase Dept	Junior college graduate	2
Sales Dept	12	0	12	Sales Dept	Mr Caimao Liu	Sales Dept	Senior high school graduate	2
After-sales Dept	3	0	3	After-sales Dep	Mr Guoren Fu	A after-sales Dept	Senior high school graduate	9
Equipment Dept	4	0	4	Equipment Dep	Mr Dasheng Jin	Equipment Dept	Senior high school graduate	2
Finance Dept	11	0	11	Finance Dept	Mr Zhao Zhang	Finance Dept	Junior college graduate	2
Total number:	966	0	966					



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1.we only focus on crane products

- LDA 1-20t electric single beam overhead crane (EOT crane)
- LH 5-32/5t double girder electric hoist overhead crane.
- QD 5-550/10-100t double girder overhead crane with hook.
- A or U type 5-75/20t double girder crane with hook.
- MH 3-16t electric hoist gantry crane
- QZ 5-20t overhead crane with grab bucket.
- BZ 0.25-10t jib crane.
- CD,MD,HC and BCD 0.25-80t electric hoist.
- All kinds of crane parts (motors/wheels/brakes/couplers/rails /hooks/reducers/drums/grabs etc)





## 2.Free technical consultancy



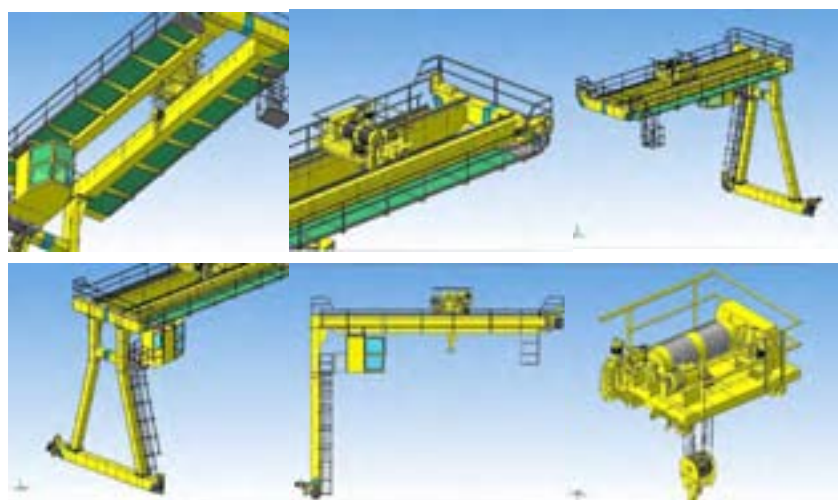
Well-experienced engineers offer professional assistance in determining the correct crane design, layouts, capacities, operating speeds, duty classification and control systems for optimum reliability and best value.

## 3. Professional Design ability & Advanced Design software

Customers define the design parameters and requirements, our engineering team provide the solutions. Fast and efficient computerised system for preparation of crane specifications, drawings and quotations. Computer aided design and drafting (CADD) ranging from 2D vector-based drafting system to 3D dynamic mathematic modeling and Finite Element Analysis.

Licensed software List:

- AutoCAD 2000
- AutoCAD Mechanical 2004
- AutoCAD 2006
- ZW CAD 2009
- Solid Works 2009



## 4. Exported to 43 countries, more than 280 customers benefit from our service and products



### DGCrane exported its crane products to

- |                             |                |
|-----------------------------|----------------|
| • Saudi Arabia,             | • Bangladesh,  |
| • Qatar,                    | • Singapore,   |
| • The United Arab Emirates, | • Indonesia,   |
| • Iraq,                     | • Vietnam,     |
| • Russia,                   | • America,     |
| • Romania,                  | • Peru,        |
| • Germany,                  | • Brazil,      |
| • Pakistan,                 | • Philippines, |
| • Thailand,                 | • India,       |
| • Malaysia,                 | • Australia,   |
| • Libya,                    | • Ethiopia,    |
| • Turkmenistan,             | • South Africa |
| • Saudi Arabia,             |                |

## 5. one-stop service

**Design** ➡ **Manufacture** ➡ **Shipment**  
**Installation** ➡ **Commissioning** ➡ **after sales service**



## EOT Cranes /Electric Overhead Traveling Crane

An overhead crane runs on an elevated runway system along the length of a factory and provides three axis of hook motion (X, Y, and Z). The hoist and the trolley moves the load up and down, as well as right and left, and the bridge of the crane moves the load forward and backward. Both single and double girder overhead traveling crane designs allow very precise hook positioning and gentle load placement. Double girder cranes typically provide better hook height, but single girder cranes offer other advantages depending on your application.



### **Single Girder Overhead Traveling Cranes**

Safe Working Load: up to 20 t  
Span: up to 36 m  
Lifting Height: upon to 30m



### **Double Girder Overhead Traveling Cranes**

Safe Working Load: up to 550 t  
Span: up to 36 m  
Lifting Height: upon to 30m



### **Underhung Single Girder Overhead Cranes**

Safe Working Load: up to 10 t  
Span: up to 25 m  
Lifting Height: upon to 30m  
Efficient material handling solutions in tight spaces with difficult design conditions

## Goliath/Gantry Cranes

Gantry cranes have become a widely accepted alternative to overhead cranes. This type of crane is similar to the overhead crane except that it runs on a runway at the floor level. The bridge is supported by a pair of rigid steel legs which are carried by a pair of end trucks along the floor level runway.

- often costs less than a overhead crane
- built to heavy duty specifications, which meet the demands of high duty cycles and multiple shift operation, as well as providing decades of reliable service for all applications
- available in spans to 60 feet and capacities to 550 tons
- can be used either indoors or outside



### **Single Girder Goliath Cranes**

Safe Working Load: up to 25t  
Span: up to 36 m  
Lifting Height: upon to 30m  
With/Without Cantilevers  
Indoors/Outdoors application



### **Double Girder Goliath Cranes**

Safe Working Load: up to 550 t  
Span: up to 60m  
Lifting Height: upon to 30m  
Easy to install accessories like service platforms or crab units with walkways  
Indoor/outdoor applications  
High cross and high travel speeds possible  
With/Without Cantilevers



### **Light Mobile Gantry Cranes**

Safe Working Load: up to 5t  
Span: up to 6 m  
Lifting Height: upon to 9 m  
Models with adjustable spans and heights available  
Lightweight aluminium models available

## JIB Cranes

jib cranes are extremely versatile units which can easily be adapted to the customers specific requirements. For example, jib cranes can be mounted on floors, walls or existing supports. Electric wire rope or chain hoists are available as options, as are electric hoist travel and electric slewing gear.

Characteristics: can be installed in any position, slewing range up to 360°, depending on model



### **Stand Column Jib Crane**

Safe Working Load: up to 10 t  
Arm length: up to 15 m  
Low headroom offers optimal highest hook position



### **Pillar Mounted Jib Crane**

Safe Working Load: up to 5 t  
Arm length: up to 10 m  
Smooth-slewing jib for easy manual operation  
Optimal highest hook position  
Optional electric hoist travel

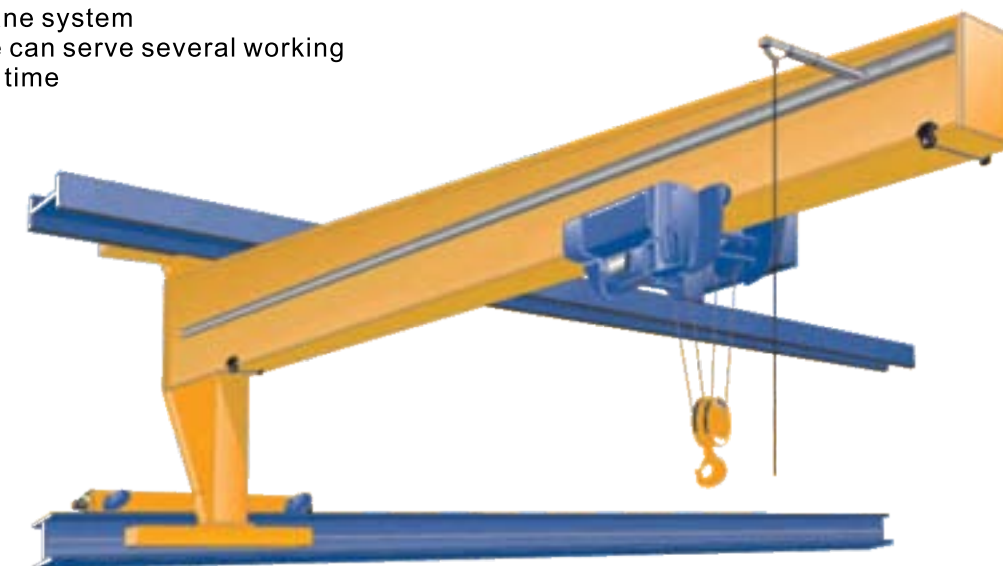


### **Wall Mounted Jib Crane**

Safe Working Load: up to 5 t  
Arm length: up to 7 m  
Smooth-slewing jib for easy manual operation  
Optimal highest hook position  
Optional electric trolley travel

## **Wall Travelling JIB Cranes**

Safe Working Load: up to 5 t  
Span: up to 10 m  
Designed for operation on a lower level beneath a large travelling crane system  
Wall travelling crane can serve several working stations at the same time



## Steel Wire Rope Hoists



### **Monorail Electric Wire Rope Hoist**

Safe Working Load: up to 20 t  
Lifting Height: up to 30m  
Trolley can be adjusted to suit various flange widths



### **Low-headroom Electric Hoist**

Safe Working Load: up to 20 t  
Lifting Height: up to 30m  
Low headroom design for maximum lifting height  
Trolley can be adjusted to suit various flange widths  
Efficient material handling solutions in tight spaces with low height space



## Special Purpose Cranes

DGCrane provides complete design, manufacture and installation of engineered cranes custom built for applications such as Steel Mills, Precast Concrete Plants, Rebar Factories, Turbine Halls and Tunnelling sites where more arduous conditions prevail and more robust and heavy duty cranes are necessary.



### **Rail Mounted Transfer Car**

Safe Working Load: up to 200 t  
The equipment trailer can run both on the 'S' and arc-shaped railways to carry many different kinds of stuff.  
Suitable to be used in bad environments, such as, high temperature and explosive conditions.



### **Steel Mill Cranes (Metallurgical casting crane)**

Steel rolling mills and melt shops demand cranes suitable for the most arduous of environments with high ambient temperatures, dusty atmosphere and presence of corrosive gases. Cranes handling molten metal must also be designed for maximum safety with additional brakes for emergency use and in some cases a second load train ie gearbox, motor, rope assembly etc. is required. For applications using magnets, lifting beams and tongs, the controls need to be protected against inadvertent operation.



### **Precast Cranes**

Nowadays pre-cast concrete factories employ high levels of automation to ensure their competitiveness. The cranes must be designed to achieve minimum operating cycle times, intensive use 24 hours per day with minimum downtime. Cranes must be suitable for handling the cast products which may vary widely in shape and size.  
the optimum crane specification and design. Fast hoisting speeds and higher duty ratings are preferred for this application. Cranes with two hoists which can be operated independently or in tandem are commonly used for handling longer pre-cast sections.



### **Galvanising Duty Cranes**

Galvanising Plants are the most unfriendly environment for machinery and, in particular, for cranes which travel over the process tanks where chemicals and heat are strongest. In addition to being designed for intensive use, cranes in galvanising plants need special protective coatings on structures and electro-mechanical components. Special cables suitable for acidic environments are necessary



### **Magnet Cranes**

Magnets are used extensively in steel factories, shipyards, scrap stores, rolling mills and rebar factories. Cranes fitted with magnets are subjected to higher stresses due to shock loading and instantaneous release of loads. Magnet cranes must also be designed to withstand side pulling of the loads.



### **Muck Handling Cranes**

Construction of deep tunnels for underground transport, drainage and sewerage recycling often demands cranes over access shafts, up to 120m deep, to remove excavated material and to lower concrete tunnel lining segments. In this case, Cranes need very fast hoist speeds to maintain the pace of excavation and tunnel construction, and motors which are rated for operating at high load for long continuous periods.



## Special Purpose Cranes



### **Aluminium Smelter Cranes**

High volume aluminium smelters producing in excess of 1,000,000 tonnes of aluminium per year require cranes in all process areas including potrooms, casthouses and kiln areas. Cranes are also used in many areas used for maintenance of the aluminium making plant such as crucibles, cathodes, pots and metal handling vehicles.

Each area of the Smelter has its own factors to be considered. High magnetic forces and electric currents in the Potrooms, high ambient temperatures in the Kiln areas and heavy duty operation handling molten metal in the Casthouses.



### **Turbine Handling Cranes**

Installation and maintenance of large turbines in Power Stations require very high precision in load handling to avoid damaging the expensive turbines and accurately positioning within the mountings.

Cranes for this application will use state of the art programmable drives and radio remote control systems to enable crane operator to accurately locate the turbines.

## Crane Accessories



**Cable Reeling Drums**



**grab buckets (mechanical or electro-hydraulic)**



**Lifting Magnets**



**Drive shaft**



**Cabin (air-conditioner accepted)**



**Crane lifting hooks (5t-550t)**



**Drums**



**Crane wheels**



Production Machinery



Production Machinery				
Machine Name	Brand & Model No.	Quantity	Number of year(s) Used	Condition
Horizontal lathe	CW6180B	40	5	Acceptable
Radial drilling machine	Z3050*16/1	6	9	Acceptable
Slotting machine	B5032	2	7	Acceptable
Shaping machine	B665	2	5	Acceptable
Welding machine	ZX5-630	240	5	Acceptable
Automatic submerged arc welding machine	WZ-II	15	7	Acceptable
Plasma cutting machine	LGK8-63	3	4	Acceptable
Leveller	12*2200	1	2	Acceptable
Open fixed platform pressing machine	ZH21*250	2	8	Acceptable
Floor type boring and milling machine	TP*6211*59	5	6	Acceptable
Milling machine	Xa6132	5	10	Acceptable
Shearing machine	QH11-6X2500	6	11	Acceptable

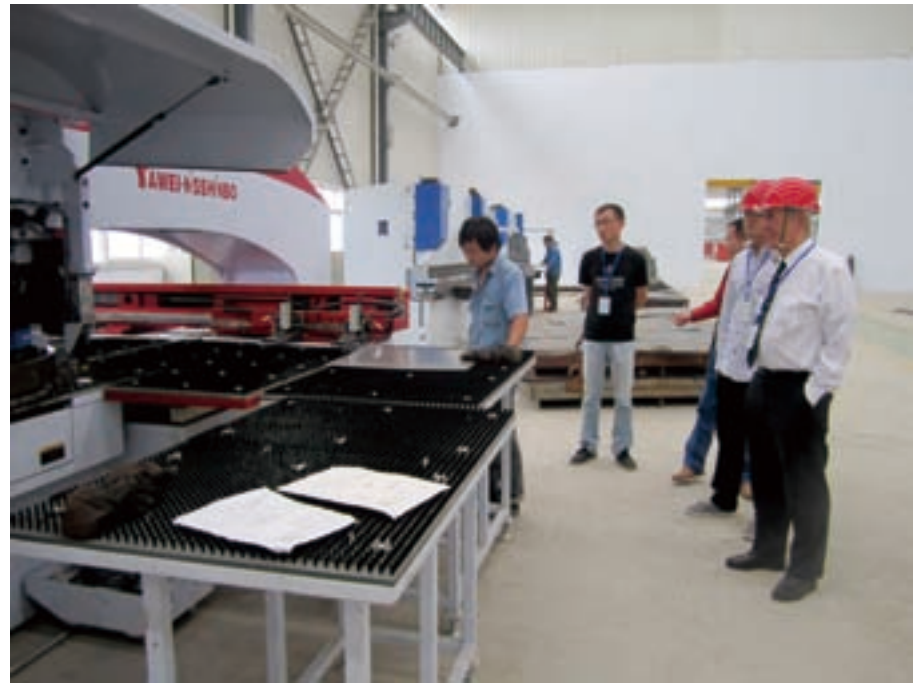
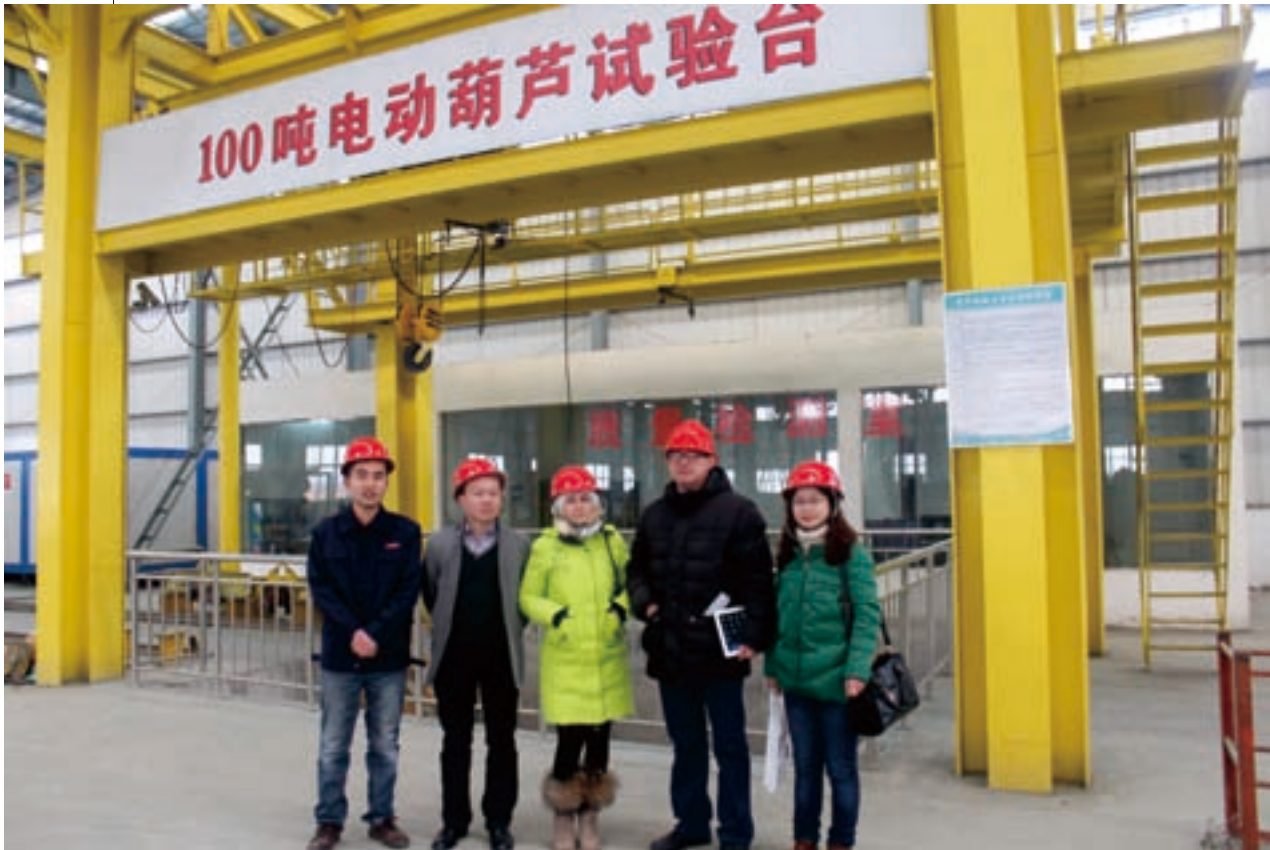
Manufacturing shop











Factory  
Visit



## Brazil

2sets LDP 5t Span=18m Height=5m low-headroom electric hoist  
exported to Brazil



## Uzbekistan

6 sets LD model 5t Span=19m Height=6m single girder overhead crane  
exported to Uzbekistan





## Malaysia

2sets LH model 35t Span=22.5m Height=9m double girder overhead crane exported to Malaysia



## United States (U.S.)

2sets LD model 5t Span 25m Height=6m single girder overhead crane exported to the United States (U.S.)





## Arabia

6sets BZ model 10t Arm=7m Height 6m stand column jib crane exported to Saudi Arabia



## Russia

1set LH model 12t Span=24m Height=9m double girder overhead crane exported to Russia





## Germany

11 sets Brake pulleys exported to Germany



## Australia

20 sets crane driving wheels exported to Australia





# Malaysia

4sets crane drums (JT-Φ988\*3868 ) exported to Malaysia



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## Indonesia

11sets 80t and 120t double girder casting overhead crane exporting to  
PI Gorda Prima Steel Works in Indonesia





## Kazakhstan

MG 150t/span 12m /height 15m double girder gantry crane installation and commissioning in KZ ( Kazakhstan )

