



GANTRY CRANES

Gantry Cranes



Gantry Crane is widely used outdoor on the big work yard to lift material. There is no need to install the steel stand column, therefore, Gantry Crane will not occupy too much ground space.

Generally, Gantry Crane can be divided into 5 kinds, namely Single Girder Gantry Crane, Double Girder Gantry Crane, Truss Type Gantry Crane, Box Type Gantry Crane, and Semi-Gantry Crane.

Double Girder Gantry Crane

SWL: 10T~500T

Span: 7.5M~60M

Lifting Height: 6M~50M

Hoisting Speed: 1~20m/min
single/double speed

Trolley Travelling Speed:

10~40m/min single/double speed

Crane Travelling Speed:

20~50m/min single/double speed

Working Duty: ISO M5/M6, FEM
2m/3m

Ambient Temperature: -40~50°C



Double girder Gantry Crane is mainly consisting of the gantry structure, lifting trolley and cross traveling mechanism, long traveling mechanism, cabin and electrical control system. The trolley can move horizontally on a pair of rails on the main girder. The girder can be box or trussed type in according to working environment situation.

Single Girder Gantry Crane

SWL: 1T~20T

Span: 7.5M~32M

Lifting Height: 6M~30M

Hoisting Speed: 3.5~8m/min
single/double speed

Cross Travelling Speed:
10~20m/min single/double speed

Long Travelling Speed:
20~30m/min single/double speed

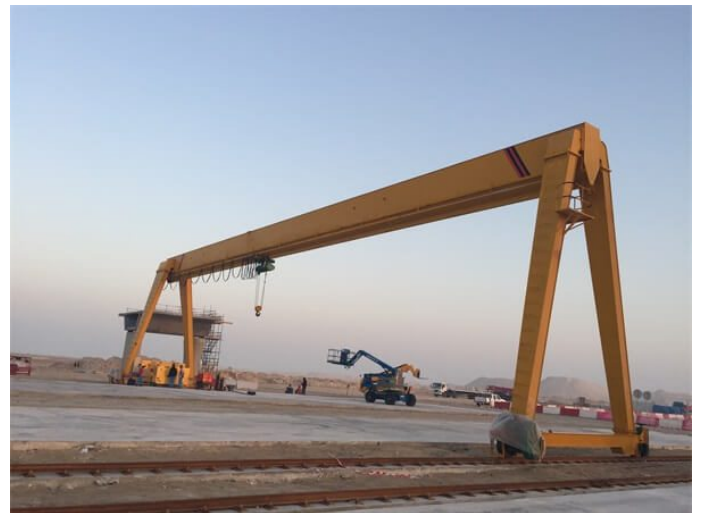
Working Duty: ISO M3/M5, FEM
1m/2m

Ambient Temperature: -40~50°C

Single Girder Gantry Crane is used together with CD MD Model electric hoists. It is a track travelling small and medium-sized crane.

The Single Girder Gantry Crane is composed with main girder, electric hoist, legs, ground girder, electrical device and long travelling device.

No.	Mechanical Protection devices	Electrical Protection devices
1	Overload Limiter	Main isolating switch
2	Limit Switch (Lifting and Traveling)	Short-circuit protection
3	Interlock protection device	Under-voltage protection
4	Buffer	Zero protection
5	Rail clear plate	Motor overload protection
6	Protective cover	Emergency stop system
7		Current overload protection system
8		Ground protection



Truss type Gantry Crane

Truss type Gantry Crane use of model CD, MD, HC and so on Electric Hoist, composed of metal structure, cart operating mechanism, electric device and trolley (electric hoist). truss type gantry crane small size and light duty, strong in wind resistance, simple structures, easy to install and maintenance. Applicable to outdoor operational sites of medium and small lifting load for general handling such as factory and mines, freight yards and warehouse.

Truss type Gantry Crane Lifting capacity is 2-20 ton, and the span is 10-30 M, working system is 25% and ambient temperature no more than 40°C.



Box Type Gantry Crane

Box Type Gantry Crane applied outside warehouse or railway sideways to do common lifting and unloading works. Box Type Gantry Crane composed of bridge, support legs, crane traveling organ, winch trolley, electric equipment, strong lifting winch, the frame adopts box-type welding mechanism.



Semi-Gantry Crane



Semi Gantry Crane compared with electric single-girder crane, save investment and space, compared with electric hoist gantry crane, save the production space, therefore when selecting ordinary electric single-girder crane or electric hoist gantry crane is not very ideal, semi gantry crane is a better solution.

1. Semi Gantry Crane structure: by the lifting mechanism and the trolley, single girder and leg, electric cabinet, operating system and safety protection system, etc.
2. Semi Gantry Crane drive: squirrel-cage motor + machine of decelerate of hard tooth flank, disc brakes, free maintenance.
3. Semi Gantry Crane operation mode: the cable to hold (IP65, life 500000 times), wireless remote control, driving operation.

Gantry Crane Advantage

Gantry Crane control method could be ground control, , cabin control or both, in the cab there are adjustable seat, insulating mat on the floor, toughened glass for the window, fire extinguisher, electric fan and auxiliary equipment such as air condition, acoustic alarm and interphone which can be furnished as required by users.

Our larger gantry cranes can be more cost-effective than bridge cranes in some heavy load applications. For example, when long distance travel (e.g., over 150 feet) would make bridge crane runways and foundations very expensive.

Our service

Our engineering department stands ready to help you or your qualified engineer address any and all challenging applications. If you have any questions regarding the installation, operation, or maintenance of your gantry crane.

Huada Heavy Industry is committed to continuous improvement in both our products and our service. We would love to work with you to find a solution that best fits your needs and budget, and look forward to the day when you join the ranks of our many satisfied customers.



Address: Xinxiang, Henan, China

Office Phone: 0086-373-5089978

Web: <http://www.huadacrane.com>

Skype, WhatsApp: +86 156 0382 1978

Email: solution@huadacrane.com