



portable gantry crane classify.

便携式龙门起重机的分类|德工机械



portable gantry crane

Portable gantry cranes, also known as small gantry cranes. In contrast, portable gantry cranes are designed to be lighter, easy to install and disassemble, and easy to move, with strong mobility. The following DGCRANE will comprehensively introduce the classification of portable gantry cranes from five aspects.



classification criteria

01. **Hand chain hoist vs. Electric hoist**
02. **Adjustable vs. Non-adjustable**
03. **Steel vs Aluminum**
04. **Electric crane travel vs Manual crane travel**
05. **Track vs. Trackless operation**



01.Hand chain hoist vs. Electric hoist

Portable gantry crane with hand chain hoist:

relatively cheap, not subject to the limitations of the location of the power supply can be moved to any place, but the efficiency is relatively low, the lifting tonnage is relatively small.



Portable gantry crane with electric hoist:

relatively high efficiency, lifting tonnage is relatively large, but the price is much more expensive than the hand chain hoist, subject to the limitations of the location of the power supply.



02.Adjustable vs. Non-adjustable

Adjustable:

the picture shows the height adjustable, which can be applied to the lifting operation of different height plant. There are also span adjustable portable gantry cranes but they are rarely used.



Non-adjustable:

Fixed lifting height and span at around three quarters of the price of the adjustable design.



Adjustable portable gantry cranes have three types of adjustments



Positioning pins:

When adjusting the height, remove the pin first, then use the lifting mechanism to lift the main beam of the portable gantry crane upwards to the fixed position and make the fixed casing correspond to the holes on the telescopic outriggers, and then insert the pin.



Rocker:

The height of the portable gantry crane is controlled by hand cranking the rocker, which is adjusted and then fixed with a pin.



Pressing device:

The height of the portable gantry crane is adjusted by means of a pressing device, which, when adjusted, is fixed with a pin.



03. Steel vs Aluminum

Steel:

high load-bearing capacity



Aluminium:

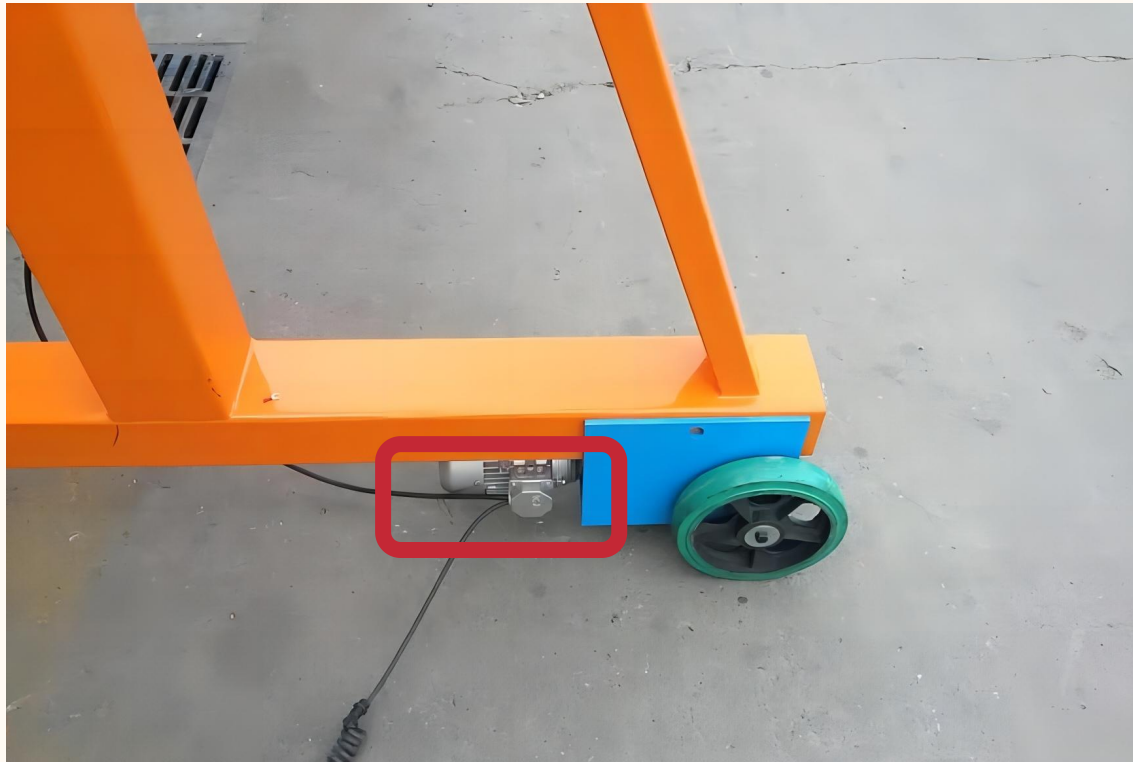
relatively weak load-bearing capacity, generally used for very small tonnage, cleanroom environment, relatively cheap.



04. Electric crane travel vs Manual crane travel

Electric crane travel :

equipped with a motor to electrically control the overall movement of the portable gantry crane.



Manual crane travel :

It is necessary to manually push the portable gantry crane to move the position.



05.Track vs. Trackless operation

Running on rails:

Only portable gantry cranes that are driven by electric power have a type of running along rails; manually driven portable gantry cranes do not have rails.



Trackless operation:

Even the electric-driven portable gantry cranes are more common with trackless operation.



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