

Double Beam Wheel Gantry Crane

Product Introduction

The double beam wheel gantry crane is a type of gantry crane with a horizontal bridge structure consisting of two parallel main beams, which is supported by tires and travels on the ground without rails. The gantry structure is formed by connecting the main beam with rigid and flexible support legs, and the main beam is usually designed as a box shaped double beam to enhance stiffness; The power system is mostly driven by internal combustion engines (such as diesel engines), which use electric motors to achieve walking, lifting, and variable amplitude mechanism actions. It has good maneuverability and can flexibly turn and transfer work positions in yards and other places

Product Features

In terms of structural design, the equipment adopts a double main beam gantry structure, consisting of two parallel main beams and supporting legs to form a portal frame. The main beams are usually designed with variable cross-section optimization to use materials reasonably and improve load-bearing efficiency; Leg design includes rigid legs and flexible legs, which can effectively release internal stress and extend structural life; The overall structure is compact and lightweight, with some models adopting modular design for easy transportation and installation

In terms of operational performance, the tire type walking mechanism endows the equipment with high flexibility, and the legs equipped with tires can travel directly on the ground without the need for tracks, adapting to irregular terrain; The frequency conversion speed regulation system is applied to lifting and walking mechanisms, achieving smooth start and stop, low operating noise, and supporting precise positioning and anti sway functions; The configuration of electric drive and hydraulic braking further enhances operational stability and response speed.

Basic Parameter

Load Capacity	5t to 80t
Lifting Height	3 ~ 15 m or customized
Lifting Speed	0.5~8 M/Min or frequency control
Crane Turning Degree	straight travel, oblique travel
Protection grade	IP55
Insulation Grade	F/H Grade
Working Class	A3-A5
Working temperature	-20 ~ 45 °C
Power supply	Diesel/Cable
Lifting structure	Hoist / Trolley
Wheel	Four or Eight

