

20 Ton Gantry Crane

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20 Ton Gantry Crane: Heavy-Duty Lifting Solution for Industrial Needs



WEIHUA 20 Tons Gantry Crane

A 20 tons gantry crane is a robust, versatile lifting equipment designed to handle heavy loads up to 20 metric tons, ideal for industrial sites, ports, warehouses, and construction projects. Engineered for reliability and efficiency, this [gantry crane](#) delivers consistent performance in demanding working environments, making it a core asset for businesses requiring safe and precise heavy lifting.

Key Features of 20 Ton Gantry Crane

- **Superior Load Capacity:** Built to safely lift and transport 20-ton loads, with a sturdy steel frame and high-strength lifting mechanism that ensures stability under full load.
- **Flexible Operation Modes:** Equipped with manual, semi-automatic, or fully automatic control systems, supporting remote operation for enhanced safety and operational convenience.

- **Durable & Weather-Resistant:** Constructed with corrosion-resistant materials and sealed components, suitable for both indoor and outdoor use, including harsh industrial or coastal environments.
- **Precision Lifting & Positioning:** Advanced hydraulic or electric drive systems enable smooth lifting, lowering, and horizontal movement, ensuring accurate load placement with minimal vibration.
- **Energy-Efficient Design:** Optimized motor and transmission systems reduce power consumption, lowering operational costs while maintaining high performance.

20 Ton Gantry Crane Technical Specifications

Parameter	Details
Rated Load	20 tons (20,000 kg)
Span Range	8m – 30m (customizable)
Lifting Height	6m – 20m (adjustable per requirement)
Working Class	A5 – A7 (suitable for heavy-duty cyclic operations)
Lifting Speed	0.5m/min – 10m/min (variable speed options)
Travel Speed	10m/min – 30m/min (crane travel & trolley travel)
Power Supply	380V/400V, 50Hz/60Hz (three-phase AC, customizable)
Control System	Pendant control, remote control (wireless optional)

Types of 20 Ton Gantry Crane

There are three common types of 20 ton gantry cranes, each with unique characteristics for different scenarios:

- **Semi-Gantry Crane:** Features a single supporting leg on one side and runs along a building column or wall on the other. Ideal for workplaces where space is limited, such as workshops adjacent to production lines.
- **Single Girder Gantry Crane:** Has a single main beam, compact structure, and light dead weight. Suitable for general lifting tasks in warehouses, small ports, and construction sites with moderate working intensity.
- **Double Girder Gantry Crane:** Equipped with two parallel main beams, offering higher stability and load-bearing capacity. Perfect for heavy-duty operations like port cargo handling, large machinery manufacturing, and mining sites.

Applications of 20 Ton Gantry Crane

The 20t gantry crane is widely used across multiple industries due to its adaptability:

- **Manufacturing Plants:** Lifting heavy machinery, steel components, and finished products in automotive, aerospace, and machinery production lines.
- **Ports & Terminals:** Loading and unloading containers, bulk cargo, and equipment from ships or trucks.
- **Construction Sites:** Hoisting steel beams, precast concrete, and construction machinery for bridge, building, or infrastructure projects.
- **Warehouses & Logistics Centers:** Moving heavy pallets, industrial materials, and oversized goods within storage facilities.
- **Mining & Metallurgy:** Handling ore, metal ingots, and smelting equipment in mining sites and steel mills.

Safety & Compliance

Safety is a top priority in our 20 ton gantry crane design:

- Equipped with overload protection, emergency stop buttons, and anti-collision devices to prevent accidents.
- Limit switches for lifting height and travel distance, ensuring operations stay within safe parameters.
- Complies with international standards including ISO, CE, and OSHA, meeting strict safety and quality requirements.
- Regular maintenance reminders and durable components reduce downtime and enhance long-term safety.

Customization & After-Sales Support

We offer tailored solutions to match your specific needs:

- Customizable span, lifting height, and control modes to fit unique workspace layouts.
- Optional accessories: anti-sway systems, load weighing devices, and weather protection covers.
- Comprehensive after-sales service: installation guidance, technical training, and 24/7 maintenance support.
- Long-lasting spare parts supply to ensure continuous operation of your 20 ton gantry crane.

Why Choose Our 20 Ton Gantry Crane?

Our 20 tons gantry crane stands out for its robust build, energy efficiency, and user-centric design. It combines heavy-duty performance with easy operation, helping you boost productivity while reducing operational risks. Whether you need a stationary or mobile gantry crane, we deliver reliable equipment that aligns with your industrial lifting demands.

Contact us today to get a customized quote for your 20 ton gantry crane and discover how it can elevate your heavy-lifting operations!

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