

MHO Model Single Girder Gantry Crane



Yuantai Crane Machinery

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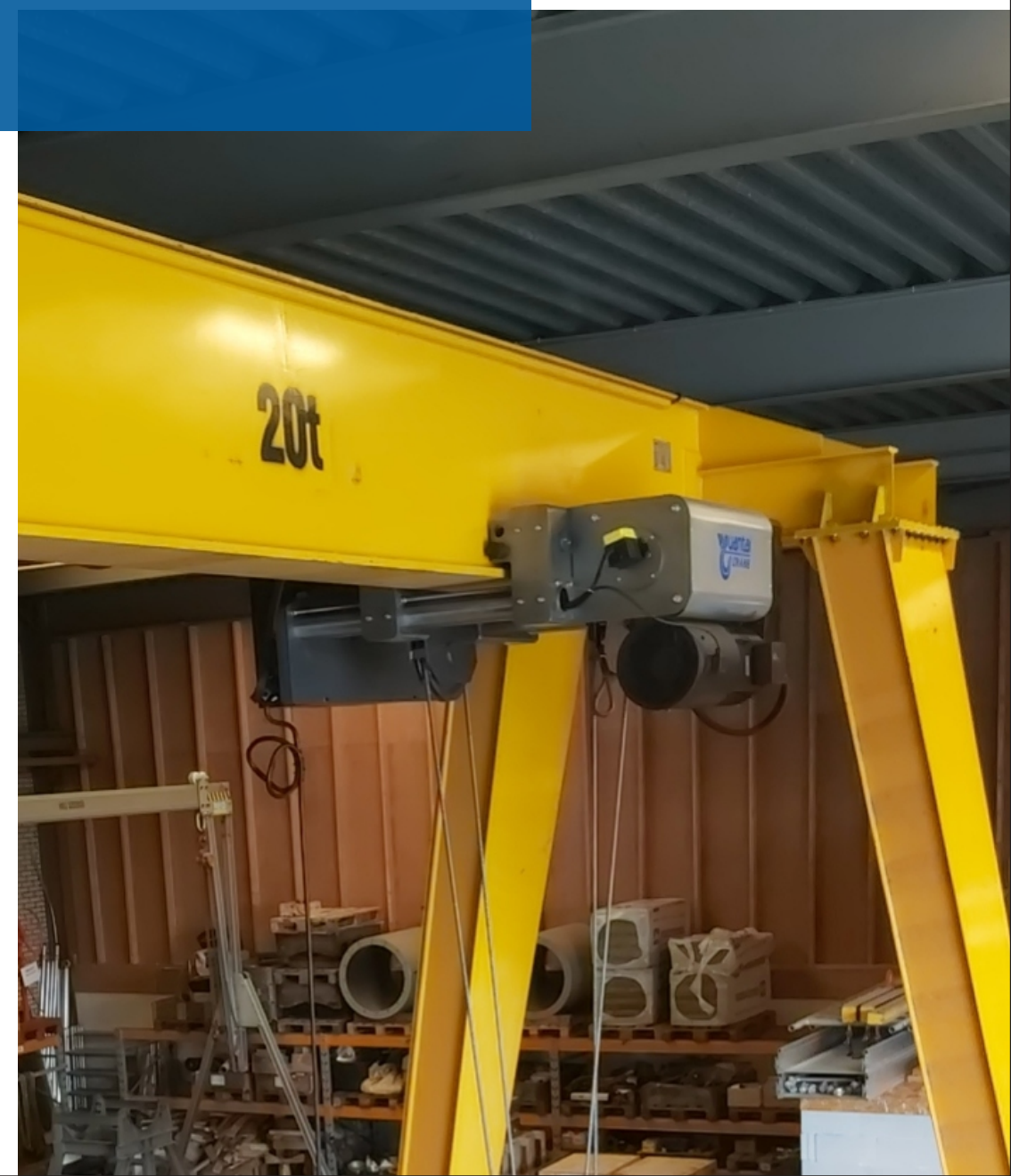
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Youtube: <https://www.youtube.com/@YuantaiCrane>



Overview

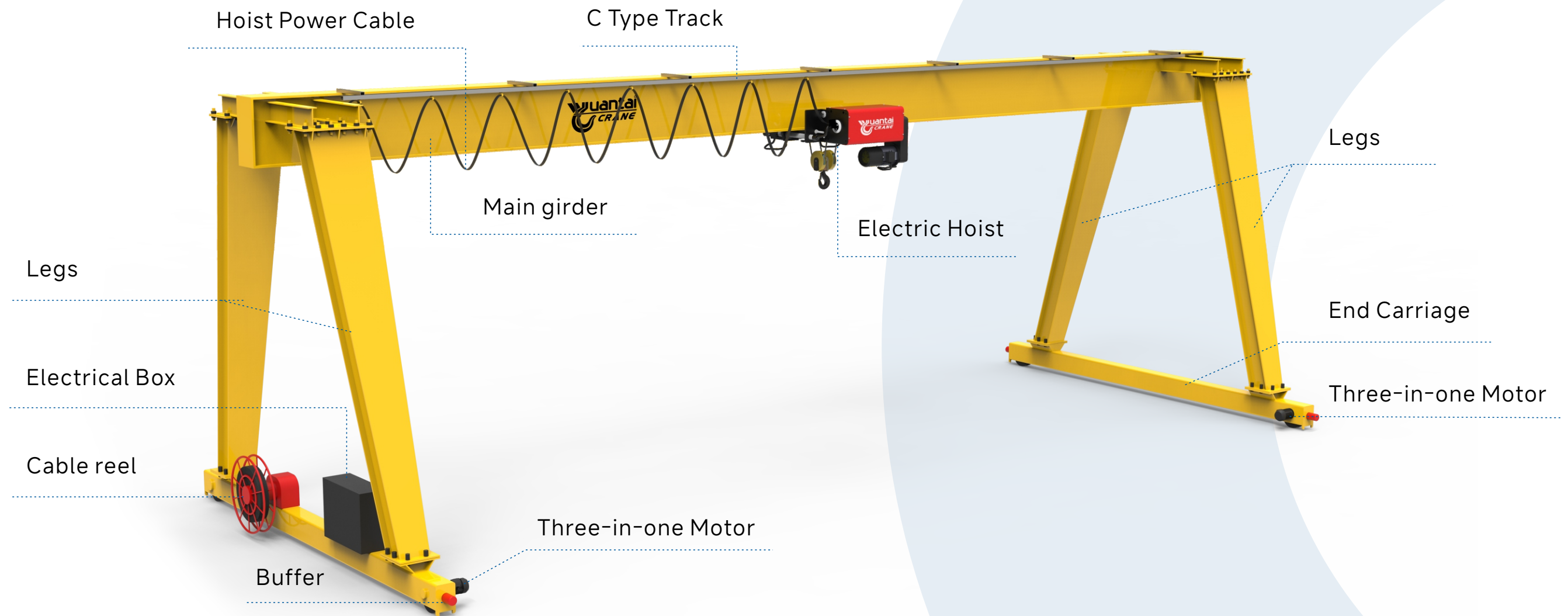
MHO model European-spec single-girder gantry crane is developed by Yuantai Crane with the new NR/NRS model European-spec electric hoist as the lifting mechanism. It has the advantages of superior performance, safety and reliability, energy saving and high efficiency, low noise and environmental protection. It is suitable for lifting and handling objects in places such as workshops, warehouses and power stations where bridge cranes cannot be installed.

After upgrading from traditional type gantry crane, it increases space utilization efficiency both horizontally and vertically out of compact structure of the crane frame and lifting hoist. All moving mechanisms are two speed control for accurate positioning and smoother movement. The lifting hoist enables less overall load pressure on main girder, and the smooth crane movement enables less damage to the rail, therefore, it's safer lifting and will help to reduce downtime cost.

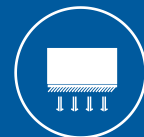
- ◎ Design is based on FEM / DIN standards.
- ◎ Compact structure, small limit size.
- ◎ Frequency conversion speed regulation, stable operation.
- ◎ Perfect protection device, safe and reliable.
- ◎ Integrated transmission, energy saving and high efficiency.
- ◎ Silent drive, low noise and environmental protection.
- ◎ Overload limiter, height limiter, Stroke limiter, photoelectric limiter and other security measures are equipped according to different working conditions, crane black box with recorded analysis functions can be added based on the customer requirements.
- ◎ Customized crane can be produced.

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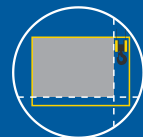
Components



Modularization
Design



Light Weight



Increase
Working Area



Low-energy



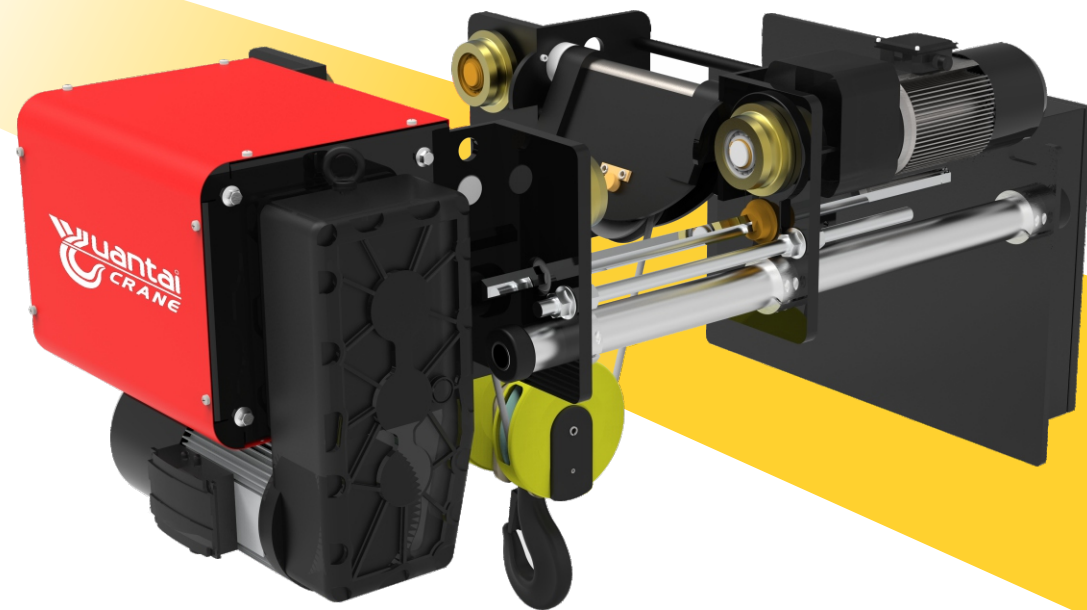
Maintenance
-free



Reduce Cost

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Supply Scope

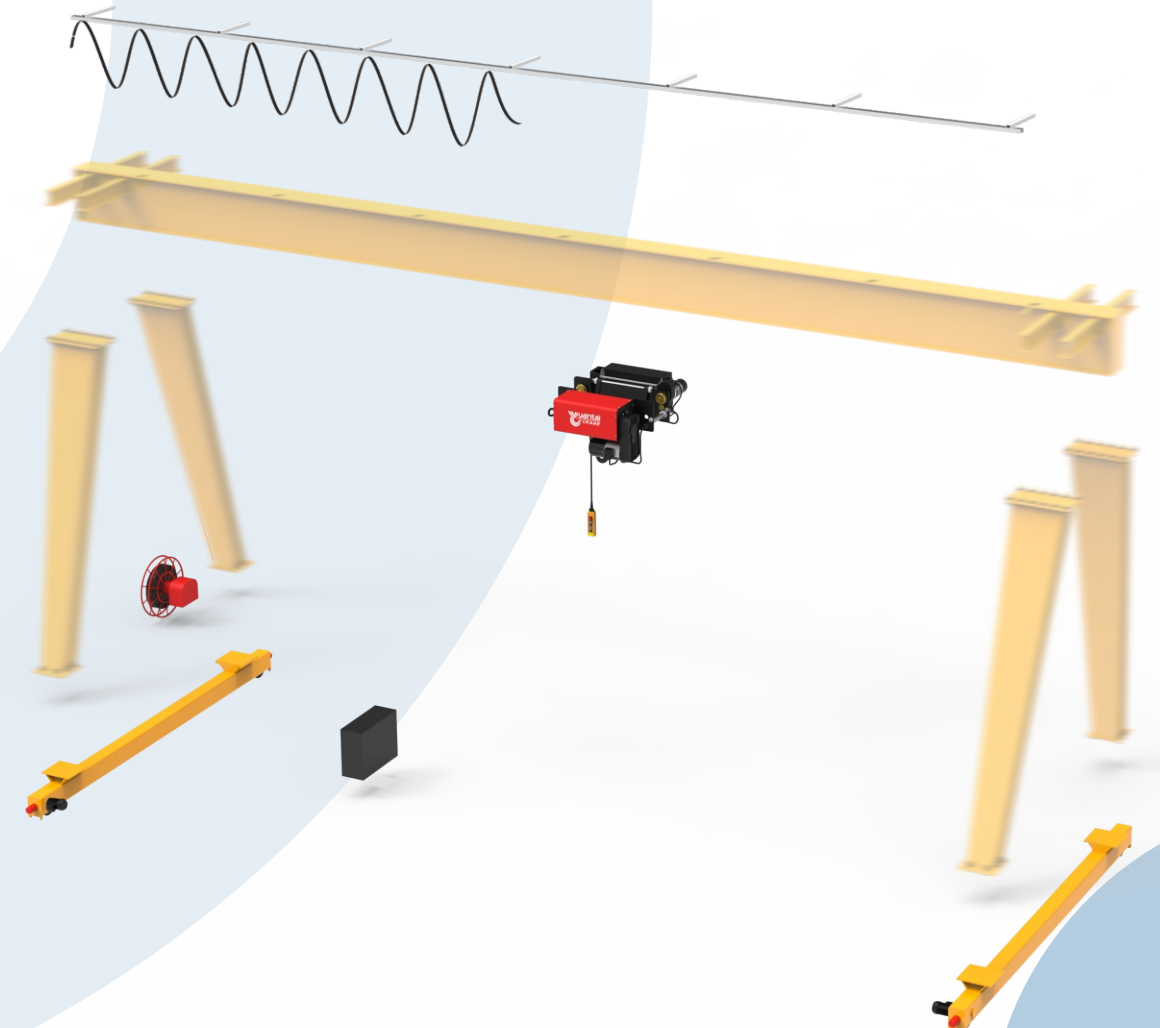


Crane Kits are Available

In addition to providing a complete set of crane equipment, we also provide crane kits except for the main beam.

More and more customers prefer to buy crane kits instead of complete crane systems. They have the ability to produce the main beam and legs locally according to the drawings, which can effectively help them to save high freight costs and greatly improve delivery time.

- ⦿ Electric Hoist
- ⦿ End Carriages
- ⦿ Electrical Box (system)
- ⦿ Electric Cable
- ⦿ C type Track System



Features	Specifications
Capacity	Up to 20 tons
Lifting Height	6/9/12/15/18 meters
Span	3-31.5 meters
Power Supply	220-660V 50/60Hz 3Phase
Girder Design	Box type
Temperature	-20~+40℃

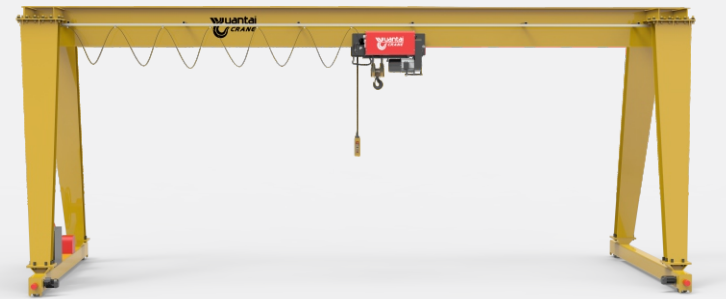


Note: For non-standard specifications, please talk to your sales representative for consultation on customized product service.

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Structure Options

Type A

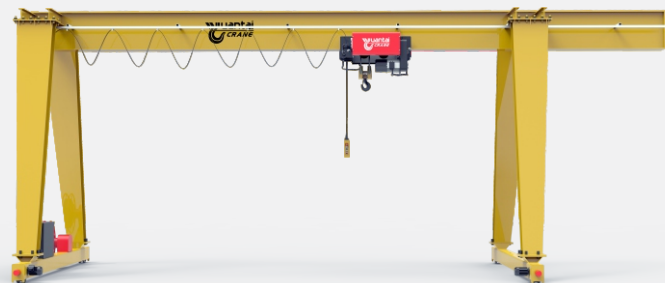


Single girder gantry crane (no cantilevers)



Single girder gantry crane with two cantilevers

Type C



Single girder gantry crane with one cantilever

Type B

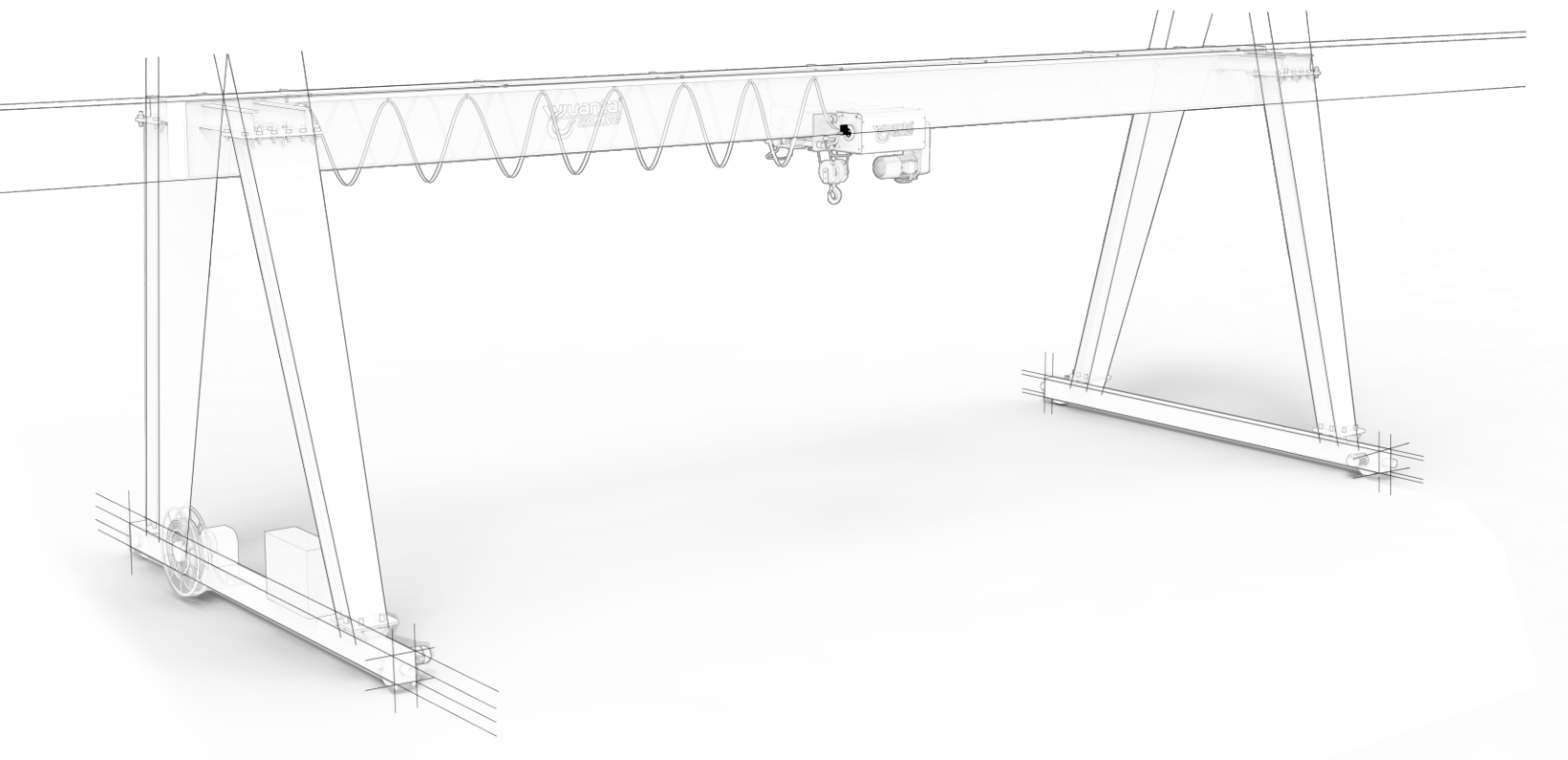


Outdoor wind-resistant gantry crane

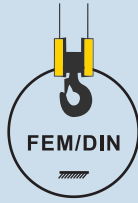
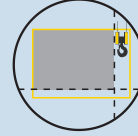
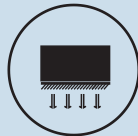
Type D

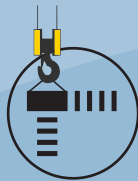
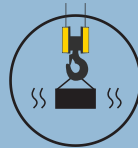
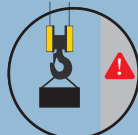
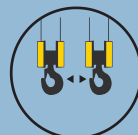
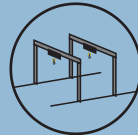
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Advantages



- ◎ Compact structure, small limit size, increase working area.
- ◎ Frequency conversion speed regulation, stable operation.
- ◎ Perfect protection device, safe and reliable.
- ◎ Integrated transmission, energy saving and high efficiency.
- ◎ Silent drive, low noise and environmental protection.

 FEM/DIN Modularization design	 Increase working area	 Maintenance-free
 Light weight	 Low-energy	 Reduce cost
 Micro speed	 Anti-impact limit	 More intelligent functions optional

 Inching displacement	 Electronic anti-sway	 Speed expansion
 Hazardous area restrictions	 Multi-hook collaboration	 Synchronize multiple cranes

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Crane Cases



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MHO-5ton and MHO-10ton for Philippines, Mongolia and Netherlands



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Service



Design & Manufacture

Yuantai always focuses on the design and development of cranes and electric hoists to better provide customers with intelligent handling equipment and improve efficiency. We accept the design and manufacture of standard and tailor-made products.

Installation & Debugging

One of services of Yuantai Crane Machinery is that our engineers are overseas service available.

When received crane and hoist, if the customer needs to install, we can arrange for the engineer to provide installation and debugging services.

Safe operation & Training

When finished commissioning, engineers will train the operator's correct operation methods and precautions, training service include:

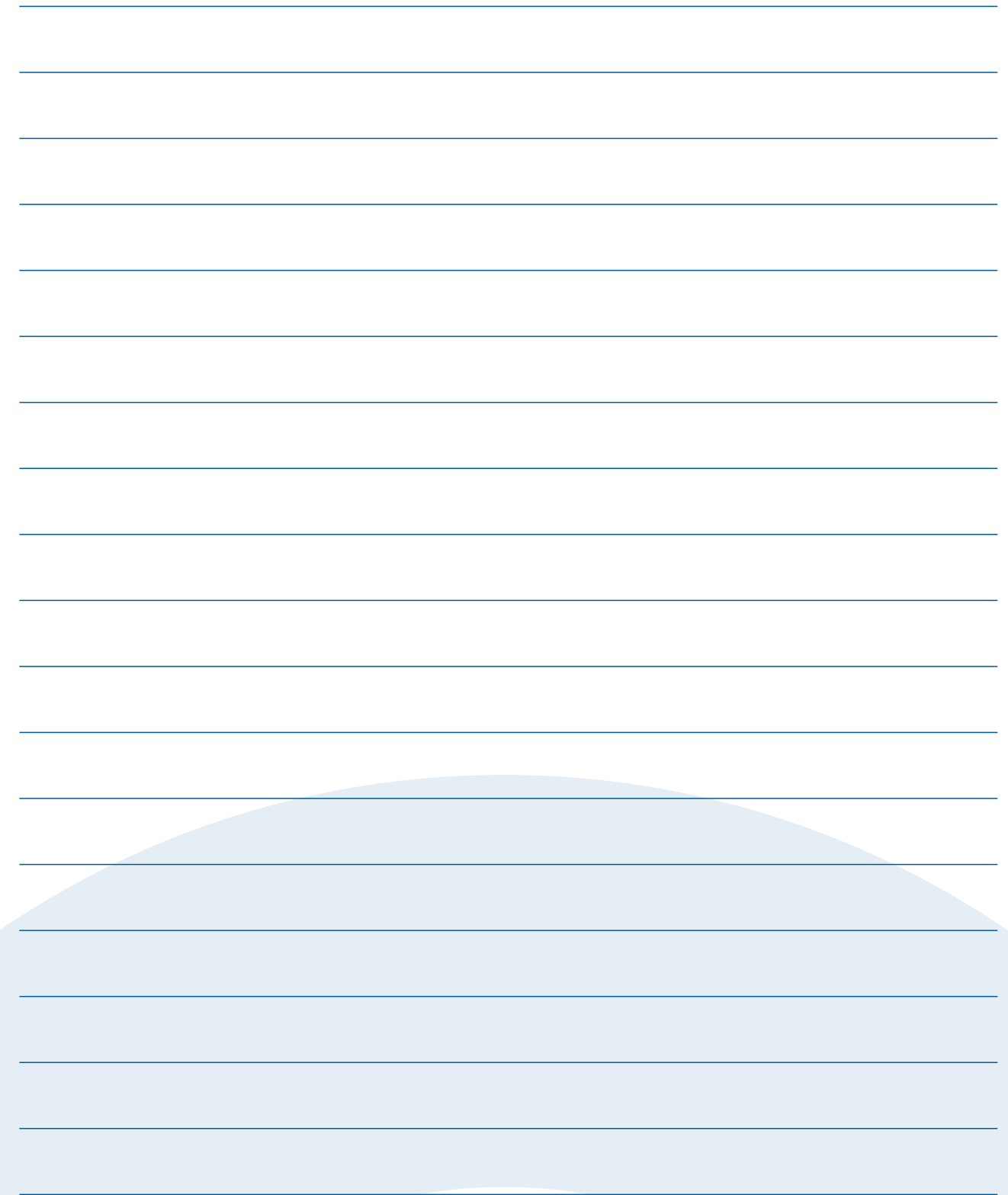
- ◎ Hoist equipment safety operation procedures;
- ◎ Daily maintenance and repair;
- ◎ What are the common faults in training and solutions?
- ◎ How to replace the consumables (such as: rope guide, overload limit, limit, etc.)

Technical & Parts support

Our genuine spare parts reduce maintenance requirements and ensure that our products are reliable, long lasting and continuously usable. Genuine spare parts are perfect for our products and fully meet the needs of our customers.

Yuantai is always ready to provide technical support to you. Yuantai has a group of specialists, related to material handling equipment design, production, installation and maintenance, etc.

Notes



Capacity	tons		
Lifting Height	meters		
Span	meters		
Cantilevers	meters (left cantilever)		meters (right cantilever)
Power Supply	V	Hz	3Phase
Temperature	°C		
Condition	☐ Regular	☐ Flammable and explosive	
Control Mode	☐ Pendant control	☐ Remote control	☐ Cabin control