



CHG(D) SERIES

ELECTRIC HOIST GANTRY CRANE

Max. Load 100 000Kg

CLESCRANE

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Clescrane retains the rights to change on product design and specs. at any time.
When purchase and delivery, subject to our actual products.

CLESCRANE®

● WWW.CLESCRANE.COM



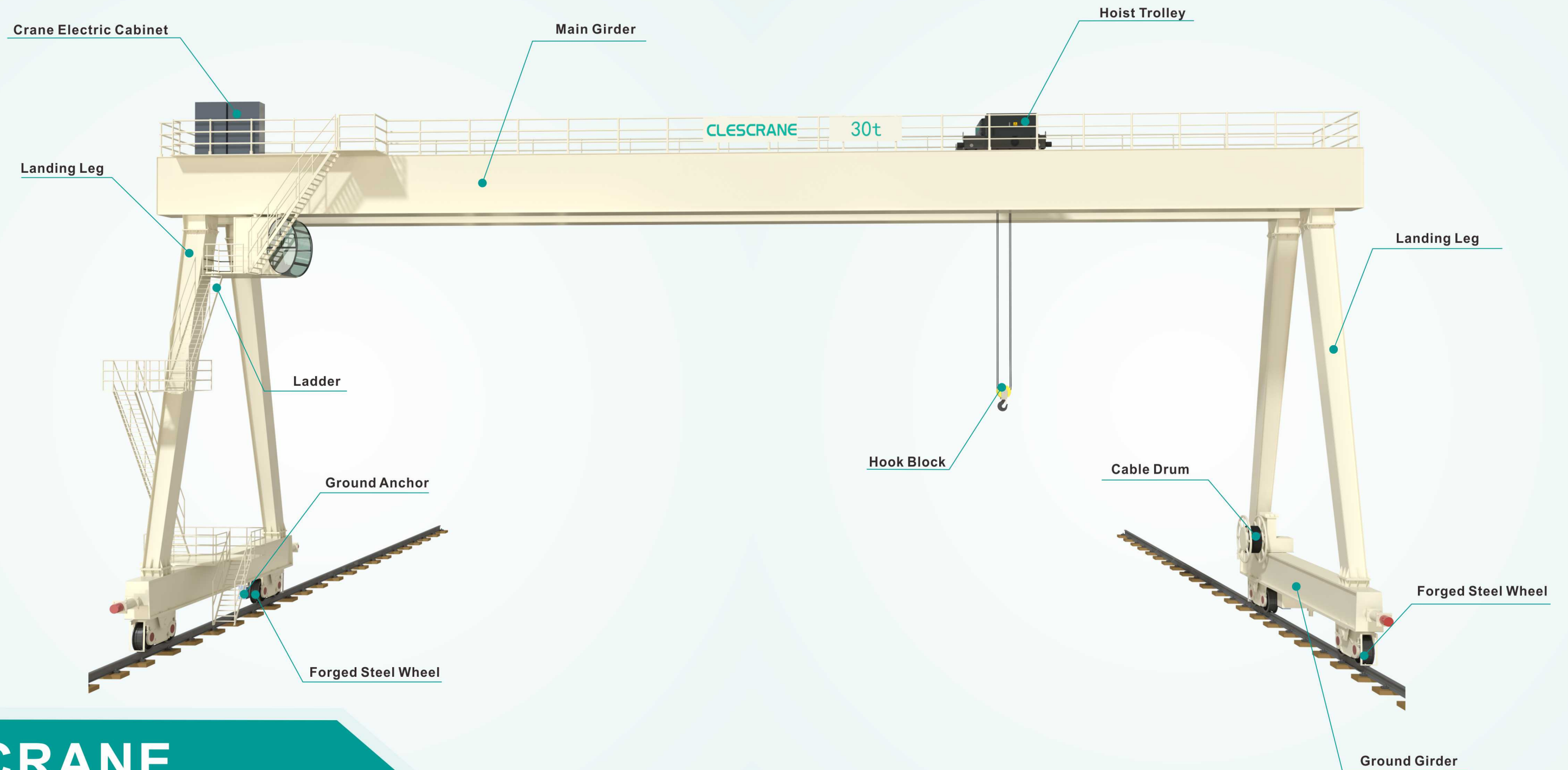
ABOUT

With the target of "technology-driven, quality seize the market", Clescrane was established as a systems engineering company in the field of material handling in the year of 2012. Our services cover a wide range of industries, which includes manufacturing industry, processing industry, energy regeneration and so on.

We have been working with the international well-known electrical companies in order to look for cooperation of intelligence hoisting machinery equipment. At the same time, our technical engineers are constantly providing customized designs to meet our customers' needs. Our equipment supervision team ensures the best quality of equipment for our customers. Our professional technical service team will provide zero-distance service to our customers. Clescrane is just on your side to help enhance your business and get sustainable development.

Technology is Clescrane survival principle, quality is the basic foundation of Clescrane survival. Depending on our own technology strength and supervision team, Clescrane has the professional sub-contractor who can provide us the good quality crane parts and control the whole cost in the competitive level. Clescrane intends to create an innovative lifting equipment export service companies and provide customers with the best solution and high-quality manufacturing products. With spirit of "customer first" business philosophy, Clescrane strategic objectives are not for the short-term interests instead of sacrificing the future. CLES people will wholeheartedly provide dedicated service for worldwide customers. When you choose Clescrane, you also increase security and efficiency for your business development at the same time.





CRANE COMPONENTS



CHG(D) Series Electric Hoist Gantry Crane

Lifting Capacity: 1t~100t

Span: Customized

Lifting Height: 6m,9m,12m,15m,18m

Working Class: A5,A6

Remarks: L type gantry crane can be customized

CHG(D) series electric hoist gantry crane is used together with CH type electric hoists. It is a track travelling small and medium-sized crane. Its proper lifting weight is 1 to 100 tons. We supply gantry cranes in many sizes, we can provide different models to meet customers' requirements.

If the crane needs to reach outside the runway, we will design the crane with a cantilever to suit your needs.

Our experienced design team customises the crane to the customer's requirements, ensuring the most economical and technically best-suited solution.

Note: Most gantry cranes are customized products, please contact our sales manager to make the reasonable solution.

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CRANE

European standard (DIN/FEM) optimized design, light dead weight, small wheel load, small volume.

Max. lifting capacity: 100t.

Flexible solution for all lifting needs.

Excellent driving performance, stepless control, smooth moving.

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07/00

HOISTING MECHANISM

CH SERIES

ELECTRIC WIRE ROPE HOIST

(FOR DOUBLE GIRDER CRANE)



1. Hoisting realized by pole changing double-speed motor of three-in-one structure, stable and reliable operation, small volume.
2. Highly efficient electric motor with hard tooth surface gear reducer, to achieve low energy consumption and large output torque.
3. The electromagnetic brake can adjust itself automatically with high precision, to achieve fast and reliable braking with low noise.
4. The steel wire rope with high strength and high flexibility, to achieve better and safer lifting.
5. High strength nylon rope guide and ductile cast iron pulley, its self-lubricating helps to achieve a longer service life of the steel wire rope.
6. High strength alloy wheel group, to achieve a long service life for the wheels.
7. Modular design to realize the flexible combination.
8. The maximum lifting capacity is 100t.



Lifting Drive Unit

High-performance, large driving force and compact structure. Various components are running efficiently to ensure high efficiency. Low energy consumption, low noise and eco-friendly design. Smooth running, low impact, safe and reliable. No-wear design, long service life. Electrical connection sustained rate is up to 60% to meet the demands of the high frequency lifting . Service life Asbestos-free brake can be up to one million times. High protection grade of brake can meet the requirements of severe environment.



Wire Rope Drum & Wire Rope

Wire Rope Drum: Use the Q345-type seamless steel tube as raw material and process it by numbers of working procedure. Advanced processing methods to ensure concentricity of the drum. The depth of rope groove is in compliance with the FEM standard. High-strength pressing plates and bolts are fastened on the end of the wire rope to ensure the safety of lifting.

Wire Rope: The imported wire rope of high-performance with tensile strength up to 2160MPa. The surface with galvanized processing for corrosion prevention effectively. With good flexibility to ensure wear resistance of the wire rope and prolong its service life.



Trolley Drive Unit

Trinity of high-performance motor, reduction gearbox and brake. Compact structure, excellent performance. Low energy consumption, low noise and eco-friendly design. Variable frequency control, smooth running, low impact and meeting requirements of a variety of speed. Asbestos-free brake disc and its normal service life can be up to one million times. No-wear design, maintenance-free, long service life.



Rope Guide

Lifting weight, good wear resistance, to reduce the wear of wire rope effectively. Prevent wire rope from skipping and loosing to off-groove, and safety first.



Electric Cabinet

Rational design, convenient maintenance, decreasing running cost. Professional and high quality of electrical components, safe and reliable.

Multiple safety protection devices to ensure equipment safe.

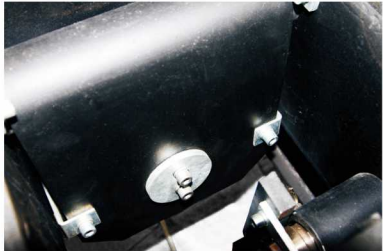



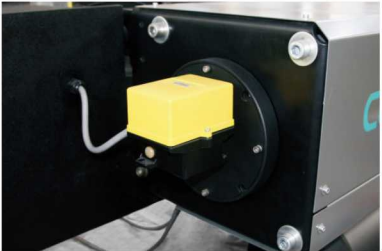

Protection grade Ip55.

Clear identification to easy for trouble removal.



Overload Limiter

Customized overload limiter with high sensitivity can output load or have overloading limit upon customer's requirements.

Fixed Pulley	Wire Support	Connectors	Cross Limit Switch	Lifting Height Limiter	Hook Block
					
Ductile cast iron material	Arrange wires orderly and neatly	Aviation plug ensures safety and easy maintenance, with high protection grade of IP55.	To position the direction of cross and long travelings of the crane and realize speed reducing and position controlling. Safe, reliable and easy to install and adjust.	Freely adjustable screw lifting height limiter with high precision, wide adjustment range, safe and reliable. Multiple-contact configurations can effectively achieve the function of transition with low and high speed and the stop during the rise and fall.	DIN standard of lifting hook with safety latch and wire rope sheath Ergonomic design.
					Forged by the high-strength material of T grade.
					Accompanied with nondestructive test certification of lifting hook randomly.

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MAIN GIRDER

Double welding box girder, beam deflection with DIN/FEM standard.

Steel Material: Fe37 or Fe52 (Equal to Chinese standard Q235B and Q345B).

Whole length CNC cutting for complete web plate, to ensure the precision and smooth curve shape of the camber.

Trolley rail is made of high strength hot rolled flat steel (16 Mn).

Submerged welding is for main girder with NDT inspection.

One primer and two finishing layers epoxy zinc-rich painting with thickness of 120um, to achieve stress release.

Epoxy zinc-rich painting for one bottoms and two sides of 120µm thick, to achieve a long lifespan, beautiful appearance and good luster.

The girder and end beam are connected by Class 10.9 high strength bolts to ensure the structure strength and precision of the whole machine.

GRADE GIRDER & WHEEL GROUP

Easy installation and disassembly.

Wholly machined structure ensures accurate assembly of wheels or wheel groups.

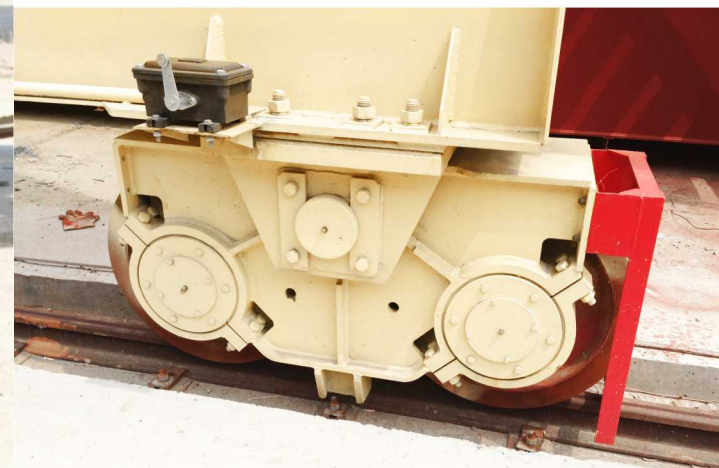


Three-in-one
Mechanism for Long Traveling



Ground Anchor

Wheel Group
Compact structure, few parts, easy assembly.
Adopt modular design, supply complete sets of
equipment.



42CrMo alloy forged wheel
wear resistance, impact resistance, high performance, long
life span.





↑ Electric Control System

Adopt SCHNEIDER or Cles customized frequency converter.

Characteristics regarding impact/vibrations, wear and safety were examined.

Accommodated in robust steel plate control cubicles, on the crane girder.

All movements can be switched off by activating the emergency-off switch at the control station via a main contactor.

Long and cross travel limited by means of preliminary and final limit switches.

Signal bell are assembled for warning.



↑ Cable Reel

Motor-driven drum with cables for crane power supply.

↓ Ladder



LEGS

Thick steel plate with beautiful design.
Perfect welding technology to make the body stronger.



OPTION



Pendant

Easy to control, unnecessary to add professional driver.
Double block button to achieve safety stop.
Following type or independent sliding type suspended under hoist.
Protection class IP65.
Lifespan: 500,000 times



Remote Control

Easy to control, unnecessary to add professional driver ,
more free space for operator on the ground.
Tens of thousands of frequency points, non-interference
with each other.
Two steps push button or joystick station with emergency
stop.
Protection class IP65.
Lifespan: 500,000 times.



Cabin Control Cable

Linkage control, conjoined with driving chair, easy to operate.
Professional driving chairs, adjustable and fully turning.
Round window with large arc glass, wide view.
Two steps push button or joystick station with emergency stop.



Cable:

Cable Properties: Sheath: special polychloreprene (Butadiene-acrylonitrile rubber), it remains flexible at -15℃, flame resistance and self-extinguishing.

Thin structure with a minimum bending radius of 10cm, suitable for quick rewinding device, oil resistant and cold resistant, the power cord and communication line can be added in the core (and can also produce the circular structure).

Specification&model: YFFB 0.75~95 mm²

APPLICATION

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CLESCRANE

40/20t

APPLICATION

Worldwide leading manufacturer and service provider of cranes and material handling solutions.

SERVICE

Our service solutions are specially made based on different requirements of individual clients.

Meeting their standards could remove any of their worries.

Including:

- Customized solutions
- Reliable, efficient and safe crane equipment
- High quality packaging
- Installation and assembly & test running
- Professional training
- Plenty of spare parts
- Maintenance
- Analysis and suggestions
- Intelligent crane design software
- The experienced team of engineers

Clescane's service pack is safe and costs less.

Clescane's service pack also applies to cranes and hoists produced by other manufacturers.



OPTIONS

Safety

Sophisticated load handling methods reduces the risk of collisions and accidents.

Productivity

Time savings in load handling and final positioning makes processes more efficient.

Cost savings

Longer lifetime of components and less maintenance work results in better economy.



Extended Speed Range



Micro Speed



Slack Rope



Tandem



Inching



Restricted Load



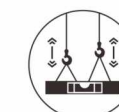
Sway Control



Load Floating



Shock Load



Synchronisation



Cranes in Tandem

**Advanced Product Solution Constant Innovation
Based on the Demand of Customers**