

CWG SERIES

GANTRY CRANE WITH HEAVY DUTY WINCH

Max. Load **320 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



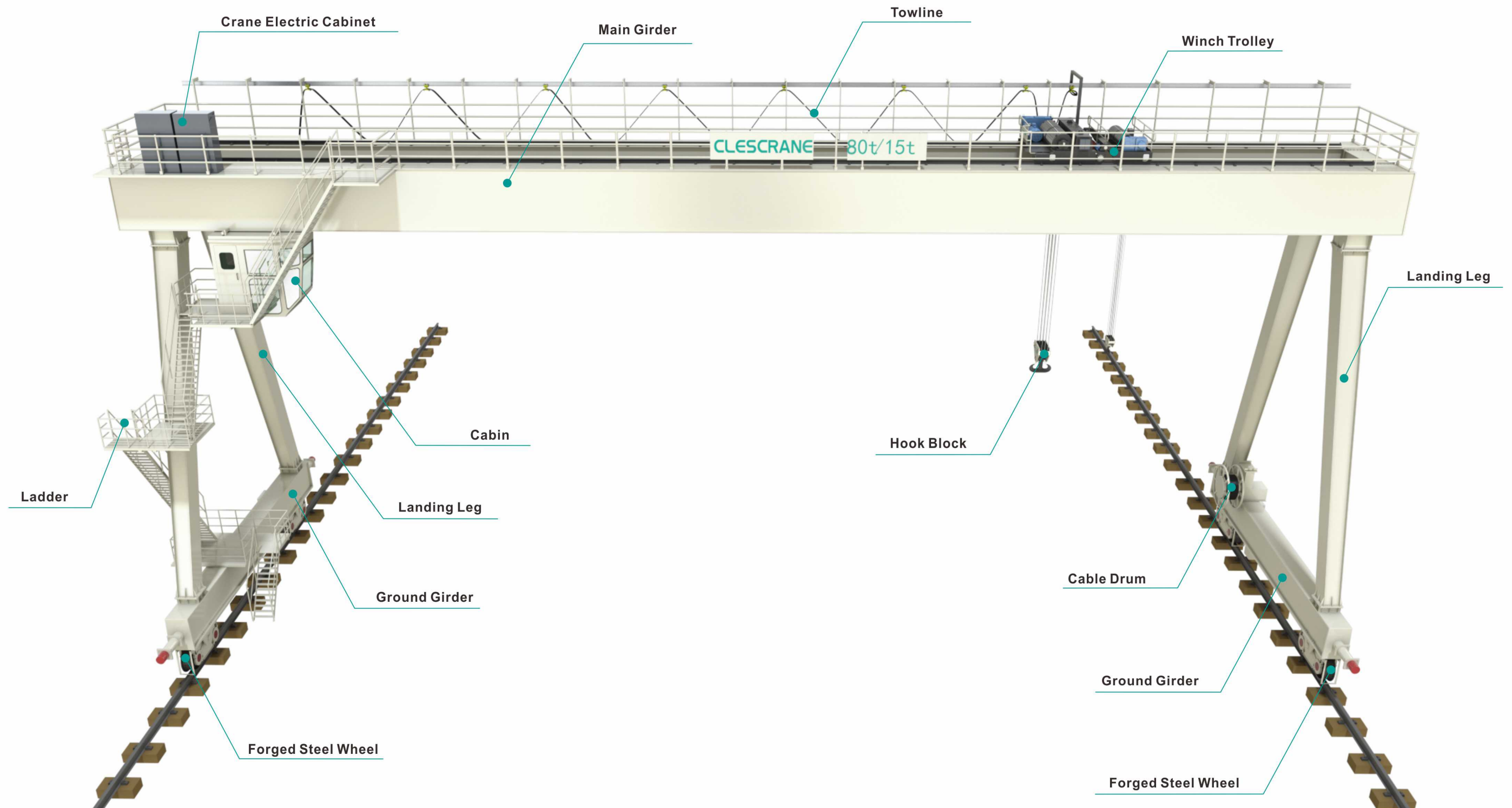
ABOUT

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



CWG

Series
Gantry Crane
With Heavy Duty Winch

Lifting Capacity: 5t~320t

Span: 10m~35m

Lifting Height: Customized

Working Class: A3, A4, A5, A6

LEADING TECHNOLOGY AND RELIABLE PERFORMANCE

Based on our years of experience and study on European type gantry crane, we independently develop a new generation of product. We believe that it will bring a new innovation in gantry crane field in industrial cranes. Each product has been rigorously tested prior to being launched into the market. Hence customers can purchase with confidence. Our product aims to help customers improve productivity, lower equipment maintenance cost, extend equipment use life, maximize return on the investment and create more value for customers.

COMPACT STRUCTURE AND MODULAR DESIGN FOR OPTIMIZED CUSTOMER INVESTMENT

As we all know, Kone and Demag are the pioneers on techniques in crane industry. High strength, light weight and excellent performance are the characteristics of their products. But we never slow down on the way, our products have the same features as theirs. In its compact body, the crane has many satisfactory features such as even load distribution, light weight, and minimum pressure on the rail. It is designed to decrease construction cost and create ease of maintenance. Compared with other domestic cranes, our crane allows for 10% to 15% decrease in its dimension according to the loads it handles. The heavier the load is, the more decrease the crane allows in its dimension. In this way, the comprehensive investment of customer is optimized and rewarded with high rate of return.

OVERVIEW



Note: Mostly gantry crane is customized products, please contact with our sales manager to make the reasonable solutions.

ENVIRONMENTALLY SUSTAINABLE DESIGN FOR SAVING ON SPACE & ENERGY

The compact design of our gantry crane leaves more space for industrial operation. All of its components are sturdy and long-lasting, requiring limited maintenance. Reduction in weight, wheel and wheel stress leads to energy consumption decrease.

SAFE, RELIABLE, AND EASY-TO-MAINTAIN

With leading manufacturing techniques, state-of-the-art manufacturing facilities, integrated production line and strict control and assurance system, we are sure to design and produce gantry cranes with good quality and performance. The concept of "easy-to-maintain" is also incorporated into our design to ensure the final product possesses competitive edges over others of its contemporaries while allow easy repair and operation.

MORE CONFIGURATIONS AND OPTIONS TO SUIT YOUR NEEDS

Our gantry crane can be supplied with various configurations to cover a wide range of lifting capacities, ranging from 5t to 320t. Other options such as the turnover hoist, anti-sway device, automatic positioning device, winch servicing device are available as well. We also provide personalized, professional solutions to customers with our experience and advanced techniques.



CRANE

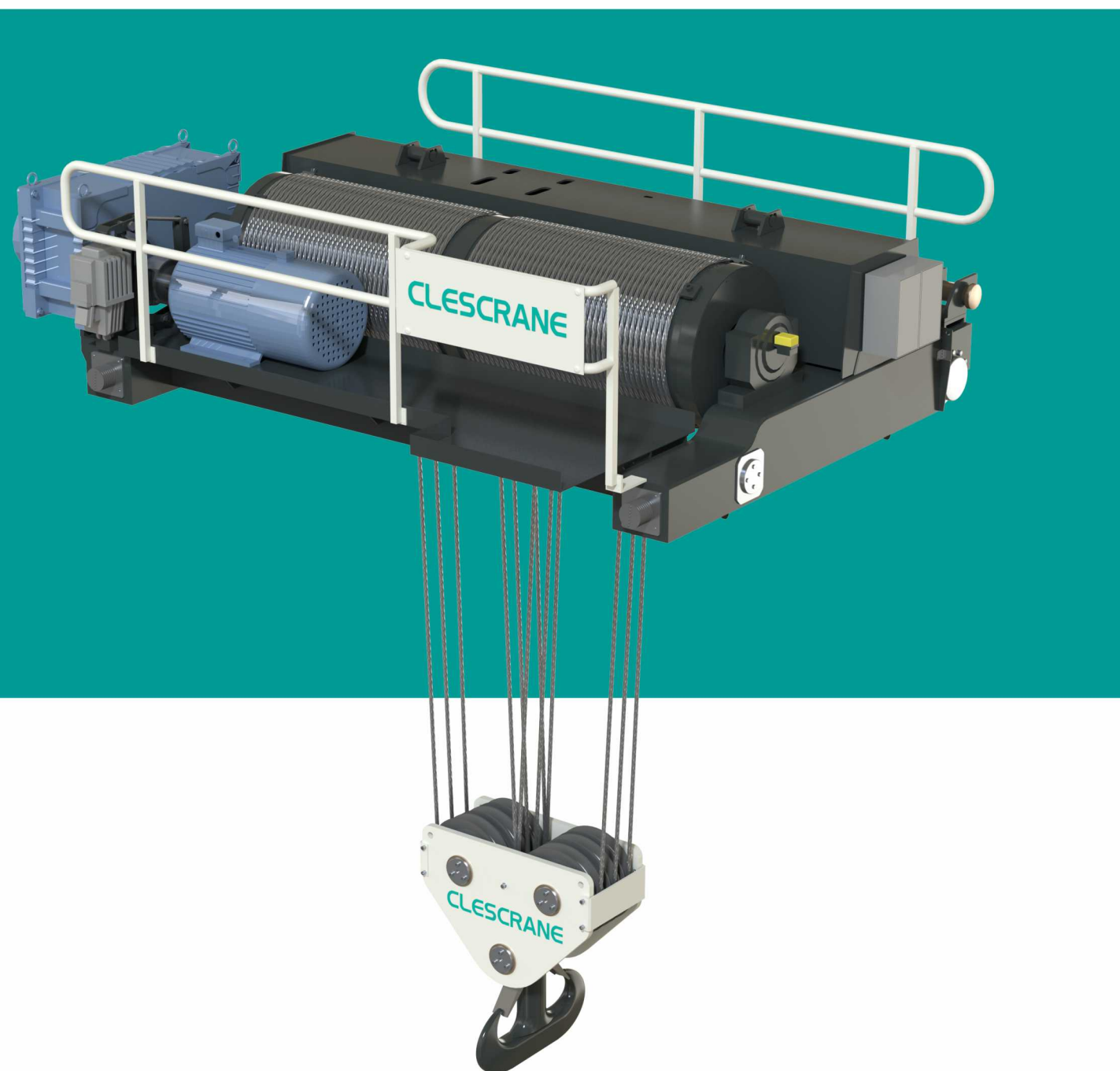
MAX. LIFTING CAPACITY: 320T

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

Flexible solution for all lifting needs.

Excellent driving properties, stepless control, smooth moving.

CW SERIES OPEN WINCH TROLLEY



Small headroom dimension makes good use of available space.

Compact structure.

Light dead weight.

Small wheel pressure.

Excellent performance.

Modular design.

Easy assembly, inspection and maintenance.

Stepless traveling speeds enhance safety.

Smaller runway reduces construction costs.

A robust, precision-machined trolley frame meets the strictest quality standards.

Bogie trolley wheel construction results in less fatigue, less wear and longer life.

HOISTING MECHANISM

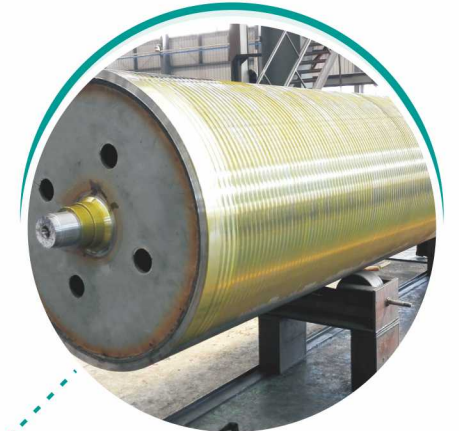


HOISTING MOTOR

Specially designed for frequent lifting.
Speed ratio: 6:1.
Electricity connection persistency rate 60%.
Protection grade IP55.
Thermal protection
Self-cooling fan.
Capable for long time work with high speed.

DRUM

Large diameter greatly prolongs service life of steel wire rope.
Reduce hook limit to left and right.
Greatly reduce headroom height.
Welded steel plate for reliable quality.



HOISTING GEARBOX

Low speed shaft connects the drum directly for effective transmission.
All gear under strength heat treating.
Bath lubrication as to achieve quiet and smooth working.
Smaller size and dead weight design.



WIRE ROPE

FEM compliant ropes.
Redundant rope reeving.
Galvanized & anti-rusting.

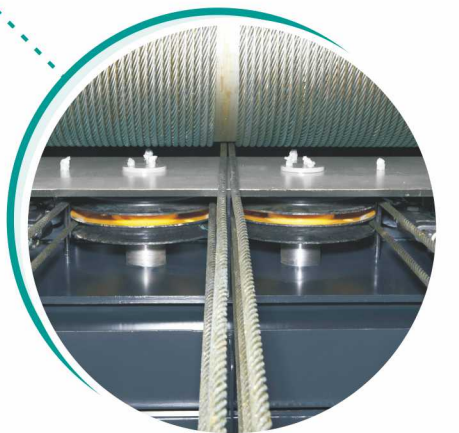


CROSS TRAVELING DRIVEN UNIT

The cross traveling movement is driven by geared motor brake units.
Stable and smooth traveling.
Accurate assembly for end carriage.
Reduce rail and wheels wear.

ROPE GUIDE

The rugged rope guide ensures proper rope winding on the drum;
Cast iron steel dust proof rope guide.
Easy maintenance & long service life.



HOISTING MECHANISM



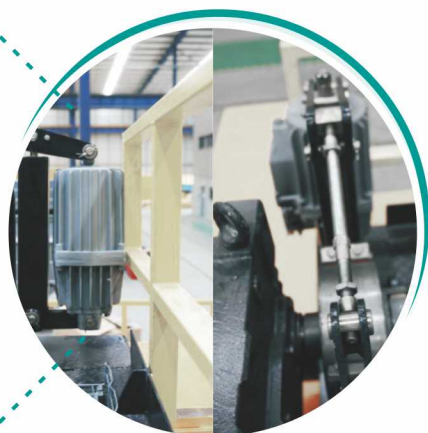
INVERTER

Offer soft start and stop for motions as lifting, cross traveling and long traveling.
Stepless speed control for various applications.



CROSS LIMIT SWITCH

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.



BRAKES

Large torque of heavy duty hydraulic brake offers high safety.
Insure valid brake when electrical outage.



TROLLEY CABLE

Special channels protect cables from disorder and prolong service life.
Clear layout for easy inspection and maintenance.



OVERLOAD LIMIT

A protection device as our standard configuration, to ensure safe operation.



HOOK BLOCK

Sister-hook for heavy lifting use;
Rotary 360 degree for flexible handling.
Spring latch for safe operation;
Forged alloy.

CLESCRANE

40/20t

MAIN BEAM

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).

Automatic submerged arc welded main weld with NDT inspection.

Shot-blasting Sa2.5 for complete girder after welding, 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 main girder and end beam are connected together by Class 10.9 high strength bolts to ensure the structure strength and precision of the whole machine.



Easy installation and disassembly.
Wholly machined structure ensures accurate
assembly of wheels or wheel groups.

GRADE BEAM & WHEEL GROUP

GROUND ANCHOR ➡

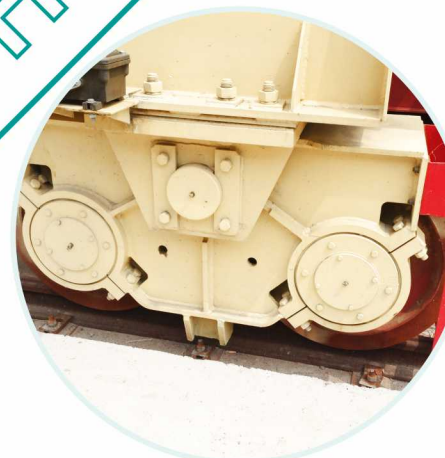


⬅️ **THREE-IN-ONE
MECHANISM
FOR LONG TRAVELING**



⬅️ **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.





← 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.



ELECTRICAL CONTROL SYSTEM

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 bells are assembled for warning.



OPTION



CABLE

Cable Properties: Sheath: special polychloreprene (Butadiene-acrylonitrile rubber), it remains flexible at -15°C, 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



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

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.

APPLICATION



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

Clescrane's service pack is safe and costs less.

Clescrane'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



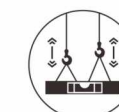
Sway Control



Load Floating



Shock Load



Synchronisation



Cranes in Tandem

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