

CLESCRANE®

**I WON'T**  
SELL THE FUTURE  
FOR A SHORT TERM PROFIT.

**CLESCRANE**

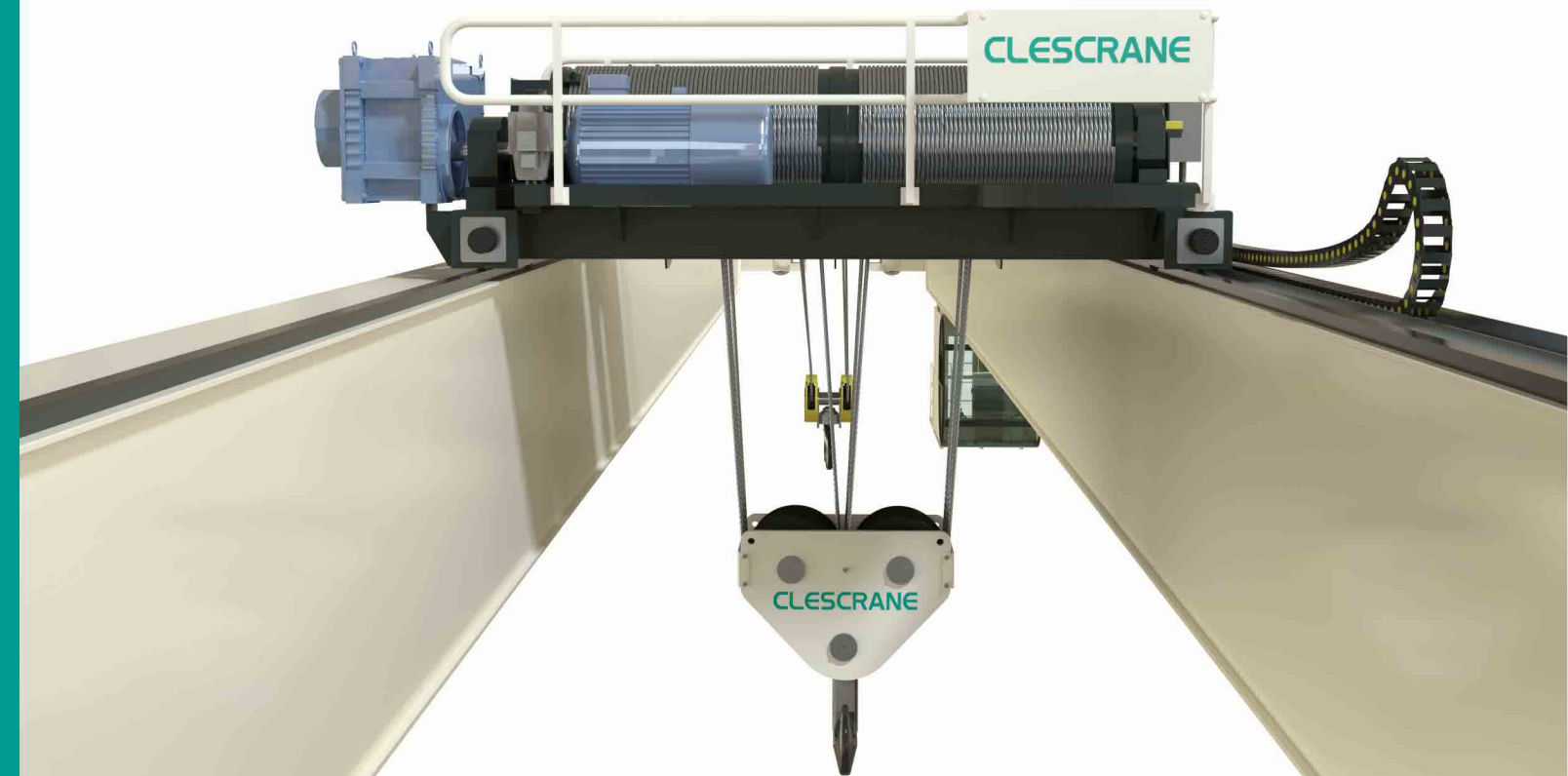
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Clescrane retains the rights to change on product design and specs. at any time.  
When purchase and delivery, subject to our actual products.



WHY CHOOSE CLESCRANE  
**CW SERIES CRANE?**

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 for 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.

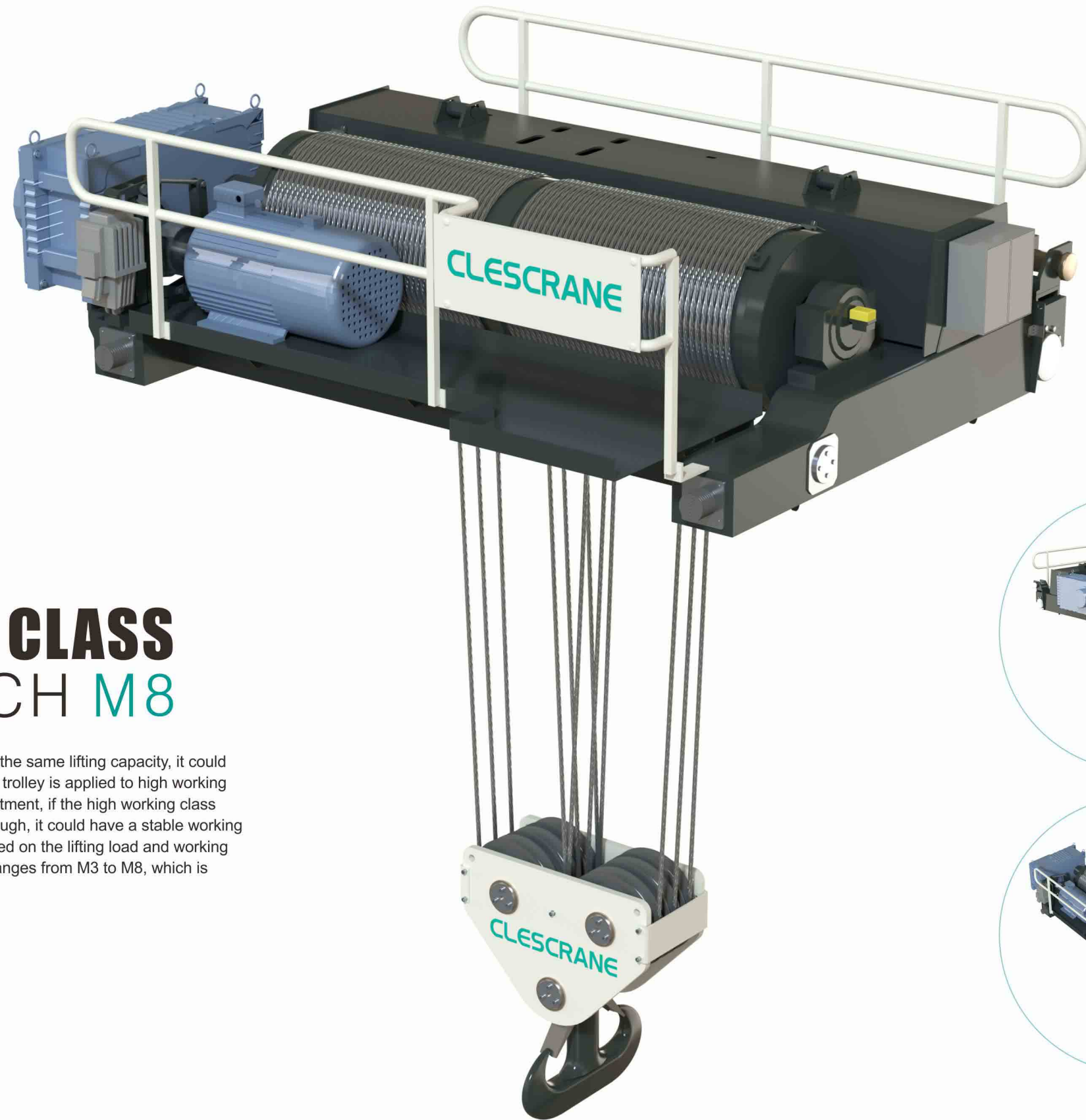
Technology is Clescrane survival principle, quality is the basic foundation of Clescrane survival. Depended on our own technology strength and supervision team, Clescrane has the professional sub-contractor who can provide us the good quality crane parts and control the whole cost in the competitive level. Clescrane intended 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 sacrifice 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.





# 1 MAX WORKING CLASS COULD REACH M8

Each CW winch trolley has a set working class. AS for the same lifting capacity, it could increase the failure rate, if the low working class winch trolley is applied to high working conditions. In the other way, it could increase the investment, if the high working class winch trolley is applied to low working conditions. Although, it could have a stable working condition. The working class of the winch trolley is based on the lifting load and working frequency. As of now, the winch trolley working class ranges from M3 to M8, which is suitable for various industries.





# 2

## HIGH QUALITY PARTS

### MAKE CRANES MORE RELIABLE

High quality parts are the foundation of excellent crane. Clescraane has cooperated with international famous brand suppliers, which include lifting motor, reducer, drum, steel wire rope, reliable electric component and excellent structural parts.



#### Reducer

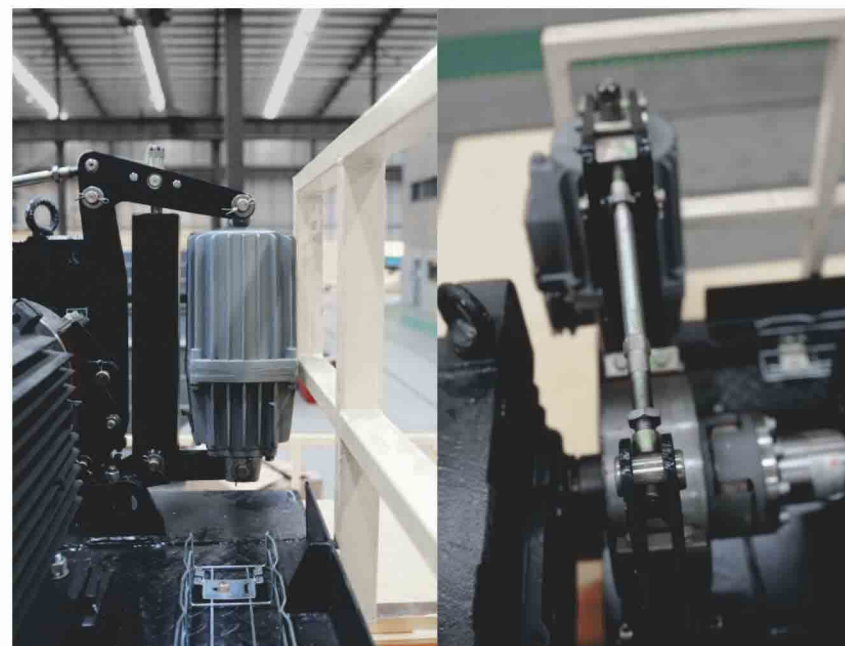
Hard tooth surface reducer, which is suitable for heavy working load;  
The low speed shaft is connected with drum directly. All grade gears are of high precision grinding and hardening treatment;  
The gear working accuracy could reach more than 6 grade and the hardness could reach HRC60;  
We could reach long term lubrication by the way of oil bath, which could guarantee the high wear-resistant and quieter working.



#### Lifting motor

Motor load could reach 60% with great durability, which is suitable for heavy duty working conditions.

The motor protection grade is IP55 and insulation grade is F. It also has the feature of heat dissipation effective, dustproof and damp proof.



#### Brake

The max brake torque is twice bigger than rated brake torque;

It could realize real stable and effective lifting. It could avoid various bad effects, such as sliding in starting process, motor stalling, swing and unstable in brake, etc.

Combined with monitoring system and automatic diagnostic equipment, it could realize max torque brake to make sure the safety of the cranes, when appear emergent conditions, such as abnormal power-off and stalling lifting.



#### Steel wire rope

Galvanized surface, high strength, breaking force: 2160MPa/mm<sup>2</sup>, reliable, longer service time;  
Galvanized surface, great wear-resistance and corrosion resistance, reduce maintenance;  
Optimization design drum, best groove diameter ratio, more reliable and safe.



#### 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.

# 3

## MULTIPLE MEASURES TO ENSURE RELIABLE OPERATION IN MATERIAL HANDLING

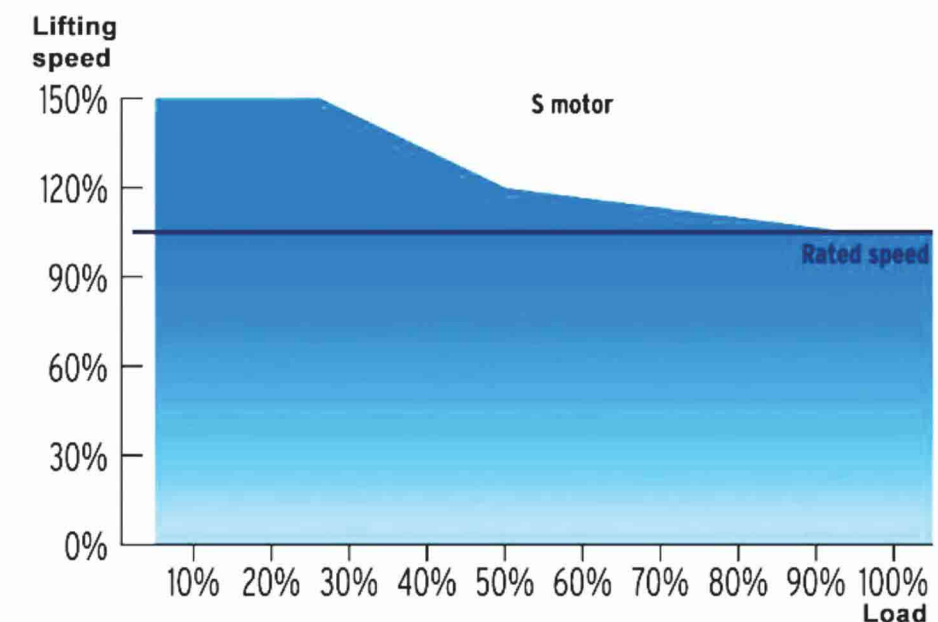
According to the advanced technology development, the customers need bigger lifting capacity and more comprehensive operation process cranes to achieve the material handling. The customers also need more reliable cranes to achieve the material handling. CW series cranes adopt reliable optimized structure design and high quality spare parts to make sure that the cranes could handle all kinds of working conditions. For example, the application in mould handing plant, the cranes must have a stable and reliable handling process, because the mould value could reach millions of dollars. As for the comprehensive operation process, CW winch trolley could be equipped with double brakes: one for lifting motor, the other for drum, which could guarantee the reliable brake of the cranes. Clescane pays much more attention on the cranes' reliable handling in product design, manufacturing and installation.

# 4

## SPEED EXPANDING FUNCTION

### HELPS TO HANDLE THE MATERIAL EFFECTIVELY AND ACHIEVE PRECISE LOAD CONTROL

Speed expanding function helps our customers to achieve higher productivity and precise load control. The cranes could achieve rapid lifting in handling light material and no load with the help of speed expanding function. For example, CW series cranes' speed could be twice higher than max rated speed, on the condition of that the material weight is 20% lower than the max rated weight. This function shortens the operation cycle and waiting time and helps to increase the work efficiency.





# 5 MORE INTELLIGENT FUNCTIONS HELP TO INCREASE WORK EFFICIENCY

Now days, high-efficiency production has been an important topic in the industrial field. The customers have high requirement on the intelligent and automatic cranes, which could be the development direction of the cranes. CW series cranes have the function of intelligent monitoring, electrical anti-swing, 3D positioning and remote control, etc. based on more than 60-year experience. It could decrease the handling time and help to increase the work efficiency.

## Anti-swing system:

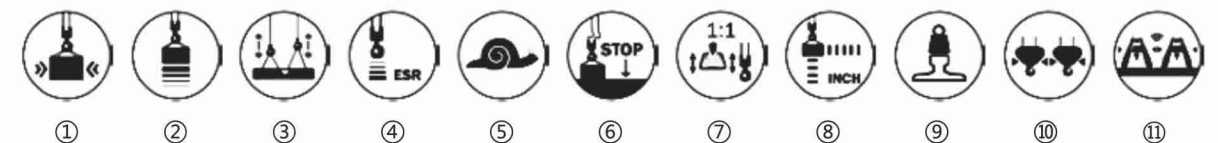
The cranes could move the load according with operator's speed control and avoid load swing during acceleration and deceleration. It could achieve precise load positioning and decrease working cycle time.

## Inch movement:

Inch movement provides another way to get close to the load position precisely, which could increase the productive efficiency and reliability. The moving distance is from 3 to 200mm.

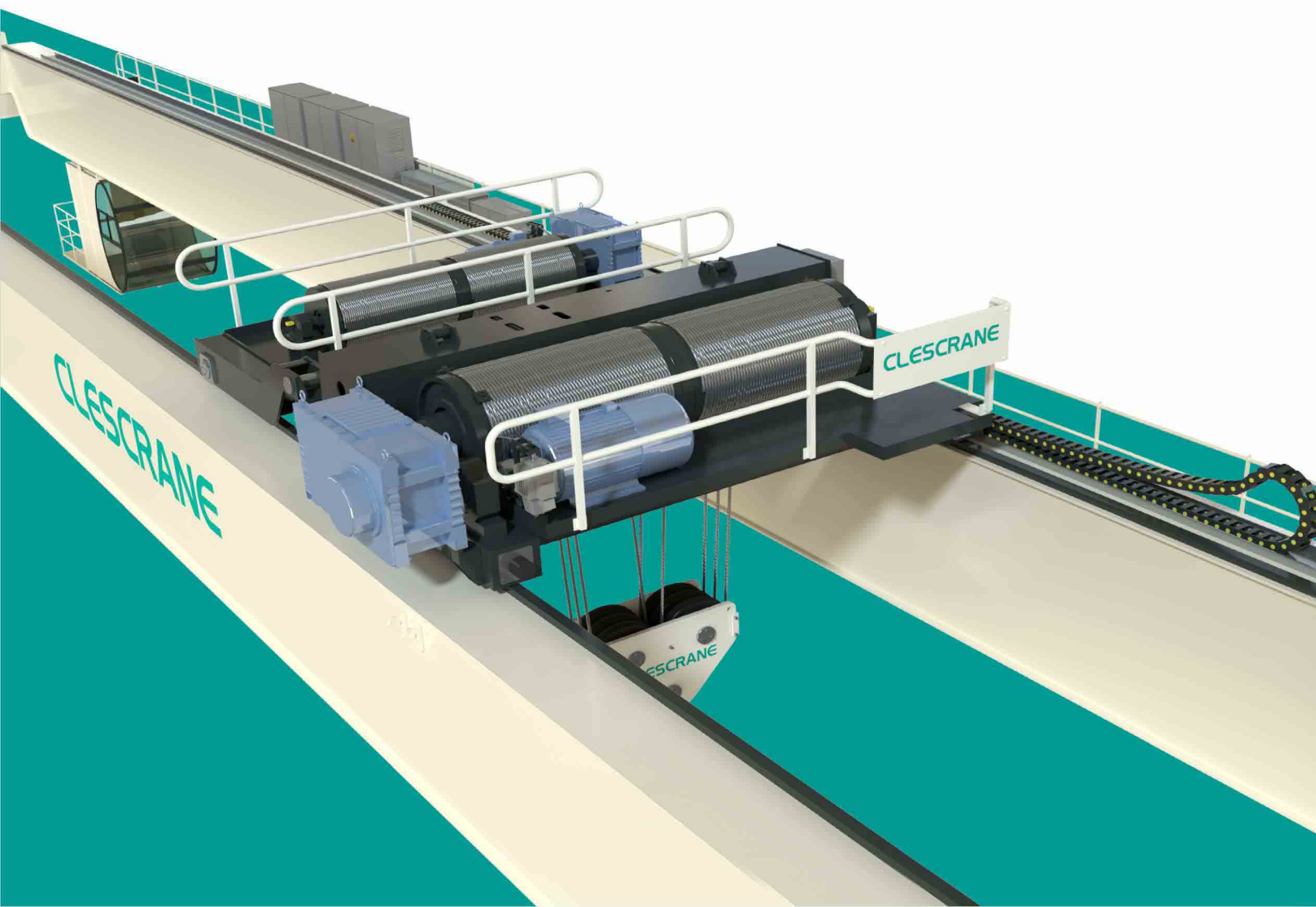
## Micro speed movement:

Micro speed movement could achieve more accurate load in the lifting and level traveling process. This intelligent function could help operator to control load precisely in the limited space, which could increase safety and protect load. The min micro speed could reach 1% of rated speed.



- ① Sway Control
- ② Shock Load
- ③ Synchronisation
- ④ Extended Speed Range
- ⑤ Micro Speed
- ⑥ Slack Rope

- ⑦ Load Floating
- ⑧ Inching
- ⑨ Restricted Load
- ⑩ Tandem
- ⑪ Cranes In Tandem





# 3 SYNCHRONIZATION LIFTING AND CENTRALIZED CONTROL

In some industries, it needs 2 CW series cranes or 1 CW series crane with several CW winches to lift one kind of equipment. CW series cranes could make several CW winches moving at same speed and same direction at the same time, when the synchronization mold is started. It could achieve safety and reliability of handling material. Up to now, CW series cranes have already successfully achieved the synchronized lifting on 2 CW series cranes and 1 CW series crane with 3 CW winches.



# 7 SEVERAL TOP QUALITY SCOOPS AND WEIGHTING SYSTEMS HELP CRANES TO HANDLING THE MATERIAL RELIABLY

Clescrane designs and provides top quality scoops and weighing systems, which are used for testing and controlling the lifting load. They are widely applied in all kinds of industrial situations, such as paper-making, automotive and steel, etc.



# 8

## RELIABLE AND DURABLE ELECTRICAL COMPONENTS

Clescrane adopts premium brand electrical components strictly and purchases huge quantity of the components, which are from European famous suppliers, such as SIEMENS, Schneider, etc. CW series cranes have already been recognized by our customers as for the reliable, durable and excellent quality of the electrical components.



## 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.

