

We are committed to providing industry cutting-edge products and technology.

The performance and quality is the footstone of our success,
We will continue providing high-quality products and services to customers.

Biological technology



Pharmaceutical production



Food processing



Petrochemical engineering



Electronics industry

CLESCRANE

Address: Room 902, Building 6, No. 26 Dongqing Street, Zhengzhou, Henan, P.R.China; P.C.: 450000

Tel: +86-371-5532 8269

Email: inquiry@clescrane.com

Website: www.clescrane.com

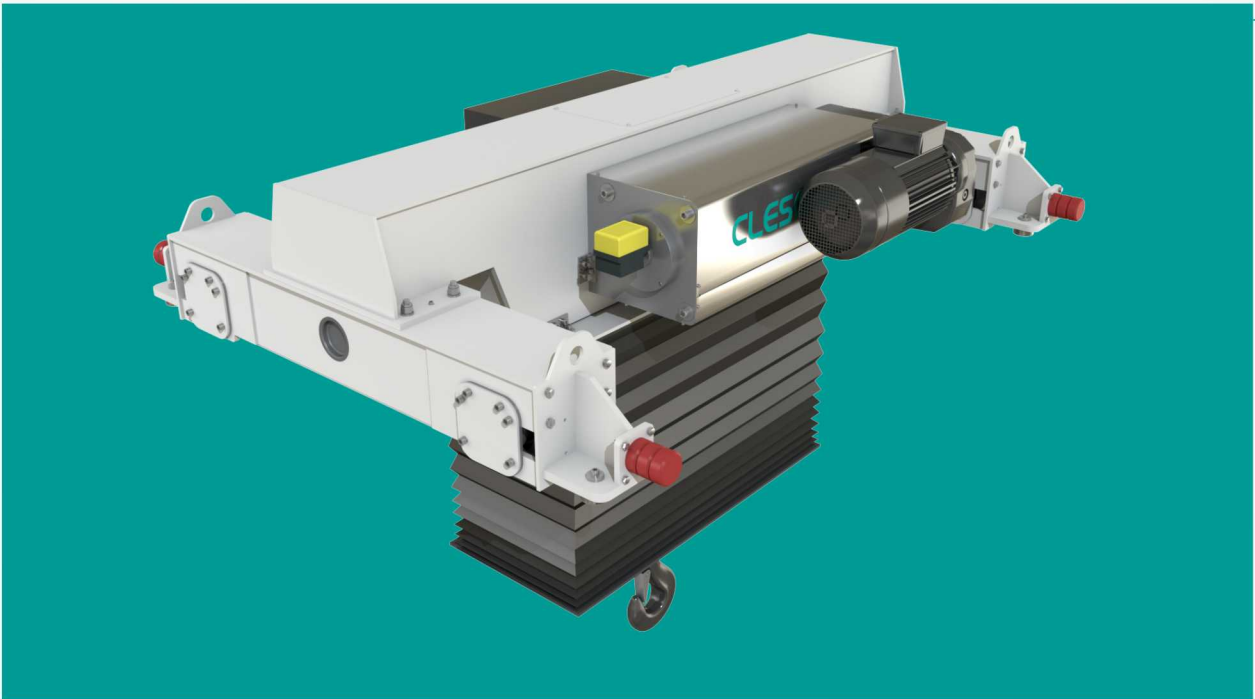
Clescrane retains the rights to change on product design and specs. at any time.
When purchase and delivery, subject to our actual products.

CLESCRANE®

CRH SERIES

ELECTRIC HOIST FOR CLEAN ROOM

Lifting capacity 500Kg-25,000Kg



▶ SAFE ▶ CLEAN ▶ RELIABLE ▶ COMPACT ▶ ECO-FRIENDLY

HOIST MASTER

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.



CRH Electric Hoist For Clean Room

- ▣ Safe and reliable
- ▣ Compact structure
- ▣ Precise positioning
- ▣ Clean and eco-friendly



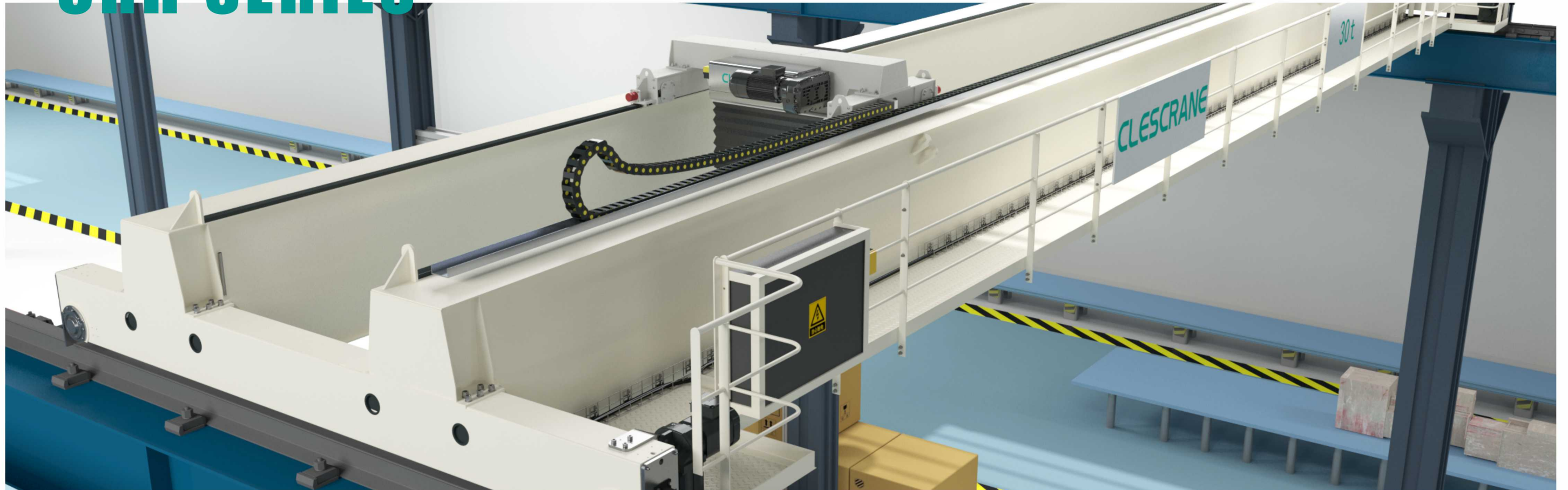
The ordinary electric hoist cannot satisfy the requirements on cleanliness of the special workshop in high precision electronics industry, food industry, aviation industry and other industries due to the production of a large number of tiny particles in operation. Clescraane is active in research and development of safe, clean, compact, reliable and efficient material handling solution. After many years of hard work and tests, Clescraane has developed a series of CRH electric hoist that suitable for clean space environment. CRH electric hoist for clean room is applicable for various clean workshop environments on biotechnology, medical apparatus and instruments, pharmaceutical production, food production, semiconductor manufacturing, etc. Our CRH series hoist, with hoisting capacity from 500 kilos to 25 tons, is applicable to environment of cleanliness grade 1000, including wire rope hoist, chain hoist, belt-type hoist, and others of different froms and structures.

In accordance with requirements of different industries and cleanliness, Clescraane can provide you with the optimum solutions of materials handling depending on research and development capabilities and rich industry experience.

The body of our electric hoist for clean room is made of stainless steel with completely sealed driving structure. The surface of CRH electric hoist for clean room joys antistatic and anti-corrosion treatment, with high permeability, adhesion, chemical resistance, stability and non-pollution. With this clean hoisting equipment, customers can safely conduct work piece hoisting operation in product line clean room, equipment maintenance and other operations needing hoisting machinery. Our products are clean and reliable to ensure that your work plan can be carried out on schedule.

Based on growing demand for safe and clean hoisting equipment of worldwide customers, Clescraane has specially researched and developed the special-purpose CRH series hoist and integrated solution for clean room. Our aim is to become the pioneer and expert in the clean room hoist crane industry, and to guide the application and reformation of new technologies in the field of clean hoist. Clescraane is committed to providing customers with clean, safe and efficient hoisting products by means of cooperating with worldwide excellent crane manufacturers.

CRH SERIES



Safe and reliable

High-class and high-quality components are the basis for excellent quality of products. The requirements on components selection of CRH electric hoist for clean room are much higher than other electric hoist products of Clescrane; Clescrane takes each component seriously from hoisting motors to reducers, from reels to steel wire ropes, from safe and reliable electrical components to the best structure components. Because Clescrane believes that only each component of good performance and quality can ensure the performance and quality of the complete machine.

Compact structure

Based on CH design concept, Clescrane CRH electric hoist for clean room provides customers with better material handling solutions with features such as lightweight, modularity and compact structure. For the unique structure in the clean room, the parts are skillfully designed to make the crane lift the load of same height from different direction to provide the most ideal work space for crane operators and make the scope of the hoisting and transporting the goods cover every corner of the clean workshop.

Precise positioning

We know deeply that our products are used to lift beautiful and expensive production components, so that stable and precise operation protects the components from vibration and fluctuation; sophisticated drive technology ensures the comprehensive control to the hoisted components; low torque design and high structure ensure the excellent performance of our equipment.

Clean and eco-friendly

Based on the strict requirements on dust-free space, Clescrane selects the components not easy to produce particles, and conduct closed design for moving components that may produce small particle, to avoid leakage of particles and pollution for other work piece and products in the workshop. Meanwhile, the sealed and maintenance-free design is adopted for bearings, rolls and other parts those need to be lubricated and waterproofing measures are taken to ensure no grease dirt dripping.

In addition, the driving equipment with excellent performance is in super silent operation to make the operation environment much more comfortable, which reflects the people-oriented design concept.

Our high-end products are designed

based on the customers' most strict technical requirements for clean room.

Frame
Fully sealed design, special surface treatment and special anti-static coating not only can effectively prevent it from producing pollution particles, but also can prevent adsorbing external pollution particles.

Drum
Stainless steel casing can effectively prevent metallic materials from polluting the environment caused by corrosion. The rope groove is deepened, which can make the hoisting rope orderly arrange in the rope groove without rope guide, to avoid causing pollution by friction of hoisting rope and rope guide.

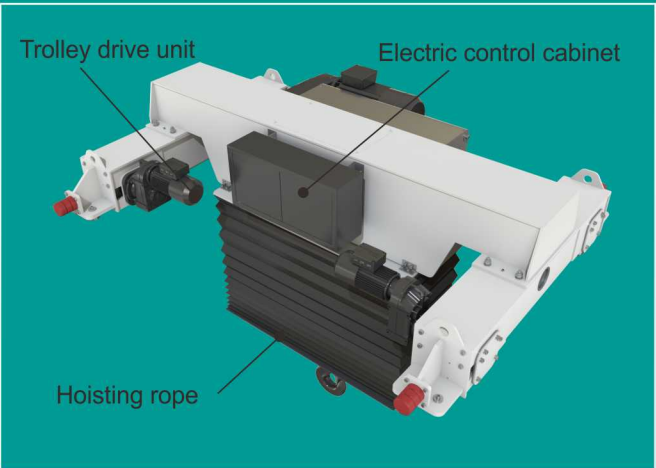
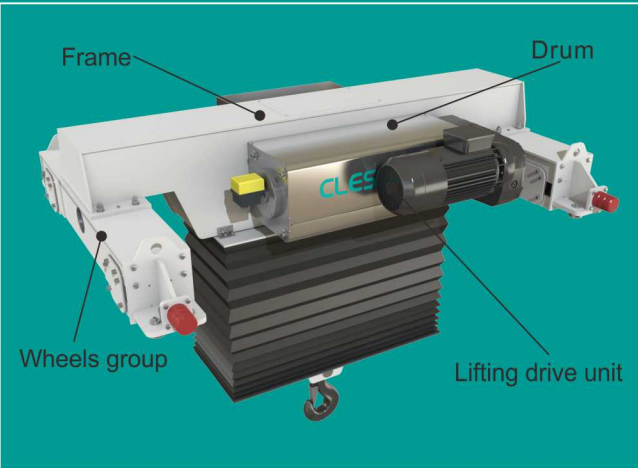
Wheels group
Fully sealed design, stainless steel wheel, and other parts of high surface rust prevention can effectively prevent corrosion and pollution, self-lubricating of metallic materials; self-lubricating and full sealed bearing can avoid lubrication pollution.

Lifting drive unit
Fully sealed and high sealed reducer is free from oil leakage and pollution; high protection grade motor without fan and double sealed brake can effectively prevent the motor from producing polluting particles.

Trolley drive unit
Fully sealed and high sealed reducer is free from oil leakage and pollution; high protection grade motor without fan and double sealed brake can effectively prevent the motor from producing polluting particles.

Hoisting rope
Stainless steel wire rope is adopted, nylon rope guide with high precision, to reduce dust.

Electric control cabinet
Electrical control system is designed at IP55 protection grade and metal parts are made of stainless steel materials. The surface of connecting pieces(bolts, nuts, etc.)is prepared by Dacroment.



GRADE & STANDARD

The applicable grade and standard of electric hoist for clean room

The grade standard based on the maximum concentration limits of the particles those the diameter is great than or equal to the considered particles in the unit volume air of the clean room.

Air cleanliness: The content of dust in the clean air (namely, dust concentration). If the dust concentration is high, the cleanliness will be low, and vice versa.

Chinese National Standard GB50073-2001 (equivalent to International Standard ISO14644-1)

ISO Grade (N)	Great than or equal to maximum acceptable concentration(particle/cubic meter) of suspended particles with the particle size listed in the Table.					
	0.1um	0.2um	0.3um	0.5um	1um	5um
1	10	2				
2	100	24	10	4		
3	1000	237	102	35	8	
4	10000	2370	1020	352	83	
5	100000	23700	10200	3520	832	29
6	1000000	237000	102000	35200	8320	293
7				352000	83200	2930
8				3520000	832000	29300
9				35200000	8320000	293000

The blue area is the scope where the CRH series products can be covered.



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

Clecrane's service pack is safe and costs less.

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