

**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 Chinese customers.

## NWH series wire rope electric hoists

Lifting capacity 1,000Kg-100,000Kg

Latest technology

Cost-effective

Green and Eco-friendly



### Novocranes (Suzhou) Co., Ltd.

Add:No. 1288 Pangjin Road, Wujiang Economic Development Zone, Suzhou (215200)  
TEL: + 86-512-6312 0889  
Fax: + 86-512-6312 0886  
E-mail: sales@novocranes.com  
Website: www.novocranes.com

**HOIST MASTER**  
www.novocranes.com



**Our Mission** • Innovation creates value

**Our Vision** • The world's leading manufacturer of electric hoist

**Our Values** • Quality / Innovation / Co-operation

## About Us

### About Novocranes

Novocranes, as the global leader, is the professional manufacturer and service provider of the electric hoist, which inherits German advanced product design concept, perfect technological process and strict quality management and is committed to providing the products with first-class quality, leading performance and higher cost performance. The Company's products mainly include NCH electric chain hoists, NWH wire rope electric hoists, clean room electric hoists, explosion-proof electric hoists and other lifting mechanism, the flexible girder of light cranes, jib cranes and crane components. Its products are used in many fields of the equipment manufacturing industry, automobile industry, transportation and logistics, energy industry, metallurgy, shipping, etc. Novocranes put the advanced design concept and application concept into practice to provide customers with lifting equipment with light self-weight, low headroom, safety and reliability, excellent performance, and efficient running.

Adhering to the tenet of close to the user and market, Novocranes maintains close relations of cooperation with well-known companies, academic institutions, and industry experts at home and abroad for a long time. Novocranes yearly invests a large number of human and material resources into the research and development of products to make the products maintain leading superiority in the markets by technology innovation to lead market trend and the pursuit of quality to obtain customers trust. Novocranes is committed to manufacturing the electric hoists, light cranes and crane parts with the lifting capacity from 50kg to 80t, which can meet customer requirements for a variety of operating conditions to provide customers with optimum solutions. The Company has established long-term cooperative relationship with China's major crane factories with multi-angle cooperation of providing technical solution, technical exchange and product delivery and others, so that the Company can provide customers with one-stop service finally.

With much more extensive application of electric hoists, operational contents and operating conditions of electric hoists have produced very detailed and targeted differentiation, thus all kinds of special electric hoists emerge at the right moment to meet the individual needs of different market segments. Novocranes goes into depth to understand customers' needs, and develops and manufactures high grade clean electric hoists with international leading level to meet customers' special requirements for equipment, the environment and the use. As an innovator and pioneer in the field of electric hoist segments, the Company is always willing to understand customers' needs, and innovates initiatively to meet customers' needs, accumulates very rich application experience in market segments at the same time so that the Company will become a pioneer in the electric hoist industry for a long time.

With advanced equipment, mature technology, and improved management, Novocranes factory is located in Economic Development Zone, Wujiang, Suzhou, covering an area of about 25,000 square meters, with beautiful scenery and convenient transportation. The Company has passed the certification of TUV ISO9001 quality management system and ISO14001 environmental management system, and the main products have passed the European Union CE certification. Perfect quality assurance system, standardized management system, strong production capacity and advanced detection means, and strong market competitiveness with guaranteed high-quality products.

Novocranes and its cooperative partners take meeting customers' needs as their own duty and provide customers with the optimum products and services and create value for customers continuously.



## NWH Series Wire Rope Electric Hoists

### Product advantages:

- > Accumulation and Innovation
- > Compact structure, excellent performance
- > Efficient Transmission and Power Source
- > Excellent Performance, Safe and Reliable



### Standard configuration of NWH Series Wire Rope Electric Hoists

- > Double speed lifting motor with 1t - 32t standard Variable frequency lifting motor with 32t - 100t standard
- > Lifting electromagnetic disc brake and maintenance-free design
- > 380V/3Ph/50Hz Supply voltage
- > Control voltage 48V
- > Lifting limit switch
- > Variable frequency motor of trolley with the speed of 5 - 20m / min
- > Protection grade of electric motor is Grade IP55, and insulation grade is Grade F
- > Lifting hook group with safety clasp
- > Load lifting limiter
- > Environment temperature: -20°C ~ +40°C

## R & D Manufacturing

### Compact structure, light self-weight, small wheel-pressure and high comprehensive cost performance

Leading technology and component performance ensure the optimal extreme dimension of the products and the height of equipment and the compact structure under the premise of ensuring the high efficiency. Within the same plant and working area, NWH series wire rope electric hoists can cover larger working range, which increases the utilization of the internal area of the plant and decreases the dead zone. If the plant is designed in accordance with the parameters of series of products of Novo during the design stage, requirements for the lifting equipment can be greatly reduced for the height and bearing capacity of the plant, which reduces above 10% of plant investment for the customers and improves the efficiency of investment.

### Save operating costs and green energy saving

European type cranes equipped with NWH series electric hoists can significantly reduce self-weight of the girder and the complete machine, and decrease the total power of running, as well as can save over 30% of power per year on average compared with the plants those use the domestic traditional cranes. Meanwhile, the running noise is superior to the national standard of Novo NWH series electric hoists, which creates a more quiet work space.

### Selection of high quality of components with safety and reliability and durable in use

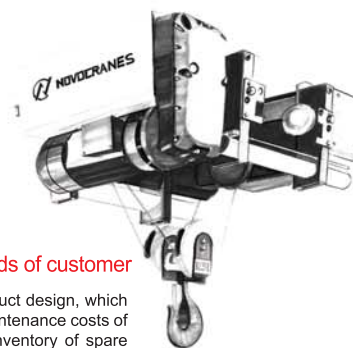
Components with high quality are the basis for excellent quality of products. Novo Company takes each component seriously from lifting motors to reducers, from reels to steel wire ropes, from safe and reliable electrical components to the best structure components. Because Novo Company believes that only each component of good performance and quality can ensure the performance and quality of the complete machine. Lifting trinity mechanism with compact structure and superior performance is developed and designed for NWH series electric hoist. The reduction gear produces low noise and becomes durable in use by high precision grinding and hardening treatment of the gear surface. Electrical connection sustained rate is up to 60% of the lifting motor, which not only meets frequent use during the process of production, but improves the reliability of the product. The imported brake disc provides the bearing lifetime of more than one million times with excellent wear-resisting property.

### Precise positioning and efficient running can improve production efficiency

Standard lifting with double speed (optional frequency conversion) and frequency conversion control of trolley ensure the efficient running of the crane and promotion of logistics efficiency in workshop, and ensure the implementation of the whole work plans of customers on schedule. By the application of frequency conversion technology, it can effectively reduce shaking of load in the process of handling, which makes the load positioning more quickly and accurately. Simultaneously, it significantly reduces the impact of starting and braking, thus the whole handling process becomes much more smooth and safe.

### Safe and reliable, running monitoring and simple and convenient maintenance

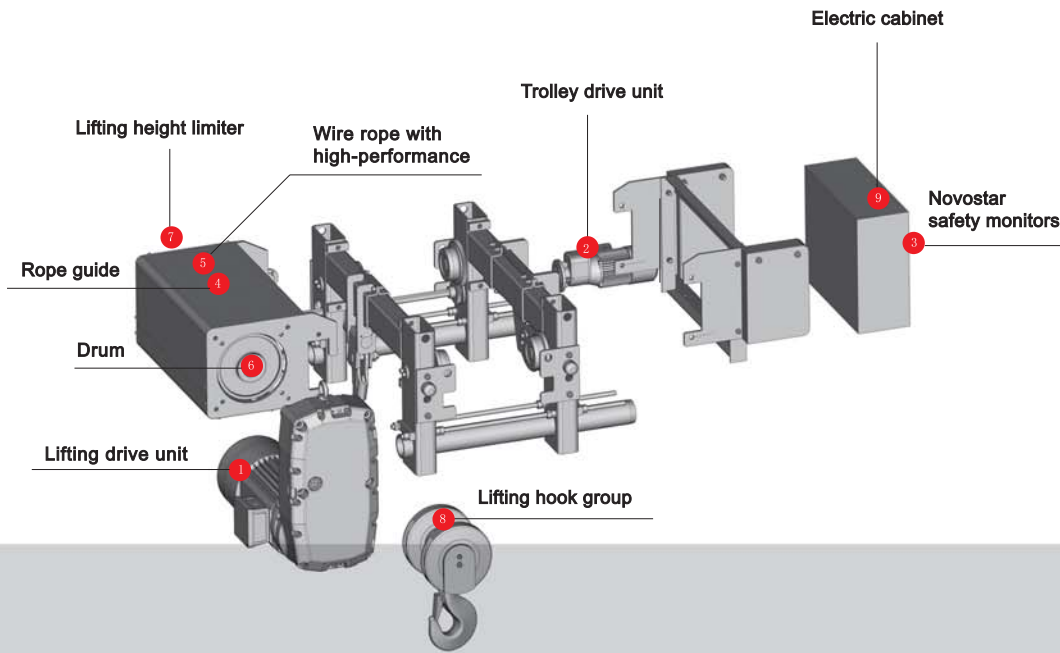
NOVOSTAR- Novo patented technology product is provided with various functions such as monitoring, protection, which can ensure safe and reliable operation of the crane, and its running monitoring unit can make detailed records of running condition of electric hoist, running status of motor and safety working cycle, and provide warning in advance. All records can provide data for maintenance, and the root of the problem should be understood to be able to provide maintenance much more timely and efficiently.



### Modular design and multiple options can meet various demands of customer

The concept of modular design has always been throughout the whole product design, which ensures the standard and interchangeability of parts, greatly reduces the maintenance costs of products. All products series of the Company is provided with complete inventory of spare parts, and professional service team ensures to provide after-sales service to solve the troubles of customers after purchasing the equipment in a timely manner.





Modular design, flexible combination,  
Meeting the personalized needs of customers



### 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 of Asbestos-free brake can be up to one million times  
High protection grade of brake can meet the requirements of severe environment

## Product Features



### 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.



### Novostar safety monitors

Intelligent monitoring system, safe and practical, friendly human-machine interface and easy operation.  
Can monitoring record the running time of the hoist and the number of overload and other information.  
Regular maintenance reminders and friction plate wear alarm.  
Achieve optional configuration of double hoist synchronous lifting operation and others.



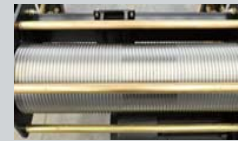
### Rope guide

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



### Wire rope with high-performance

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.



### 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.



### Lifting height limiter

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.



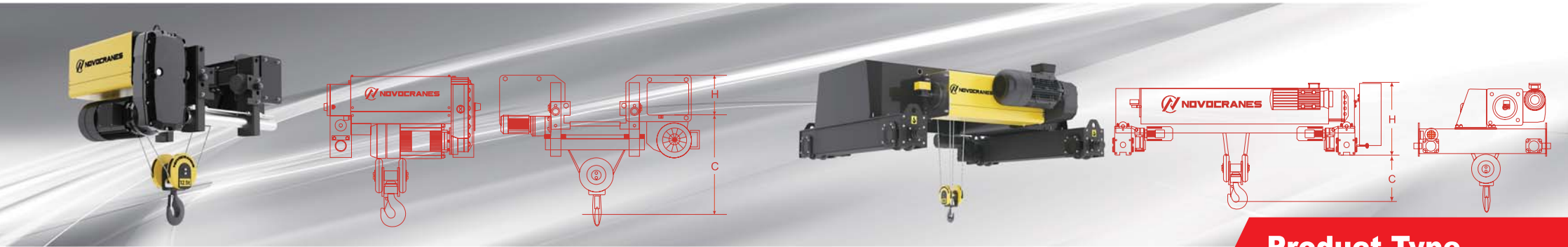
### Lifting hook group

DIN standard of lifting hook with safety clasp and wire rope sheath Ergonomic design.  
Forged by the high-strength material of T grade.  
Accompanied with nondestructive test certification of lifting hook randomly.



### 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.



## Product Type

Selection table of NWH single girder wire rope hoist

| Load capacity (Kg) | FEM | ISO | Height (m) | Speed (m/min) | Trolley speed (m/min) | H Size (mm) | C Size (mm) |
|--------------------|-----|-----|------------|---------------|-----------------------|-------------|-------------|
| 1000               | 4m  | M7  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 245         | 385         |
| 1250               | 3m  | M6  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 245         | 385         |
| 1600               | 3m  | M6  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 245         | 385         |
| 1600               | 4m  | M7  | 6/9/12/18  | 1.3/8.0       | 5~20                  | 245         | 385         |
| 2000               | 2m  | M5  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 245         | 385         |
| 2000               | 3m  | M6  | 6/9/12/18  | 1.3/8.0       | 5~20                  | 245         | 385         |
| 2500               | 3m  | M6  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 245         | 385         |
| 2500               | 3m  | M6  | 6/9/12/18  | 1.0/6.3       | 5~20                  | 245         | 385         |
| 2500               | 2m  | M5  | 6/9/12/18  | 1.3/8.0       | 5~20                  | 245         | 385         |
| 3200               | 2m  | M5  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 245         | 385         |
| 3200               | 2m  | M5  | 6/9/12/18  | 1.0/6.3       | 5~20                  | 245         | 385         |
| 5000               | 2m  | M5  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 266         | 495         |
| 5000               | 2m  | M5  | 6/9/12/18  | 1.6/10        | 5~20                  | 296         | 792         |
| 5000               | 3m  | M6  | 6/9/12/18  | 1.3/8.0       | 5~20                  | 296         | 792         |
| 6300               | 1Am | M4  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 266         | 495         |
| 6300               | 1Am | M4  | 6/9/12/18  | 1.3/8.0       | 5~20                  | 266         | 495         |
| 6300               | 2m  | M5  | 6/9/12/18  | 1.3/8.0       | 5~20                  | 266         | 495         |
| 6300               | 3m  | M6  | 6/9/12/18  | 1.0/6.3       | 5~20                  | 266         | 495         |
| 8000               | 1Am | M4  | 6/9/12/18  | 1.3/8.0       | 5~20                  | 296         | 792         |
| 8000               | 3m  | M6  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 296         | 792         |
| 10000              | 1Am | M4  | 6/9/12/18  | 1.0/6.3       | 5~20                  | 296         | 792         |
| 10000              | 2m  | M5  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 296         | 792         |
| 10000              | 3m  | M6  | 6/9/12/18  | 0.66/4.0      | 5~20                  | 296         | 792         |
| 12500              | 1Am | M4  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 296         | 792         |
| 12500              | 2m  | M5  | 6/9/12/18  | 0.6/4.0       | 5~20                  | 296         | 792         |
| 12500              | 2m  | M5  | 6/9/12/18  | 0.6/4.0       | 5~20                  | 296         | 792         |

For more options, please contact Novocranes

Selection table of NWH double girder wire rope hoist

| Load capacity (Kg) | FEM | ISO | Height (m) | Speed (m/min) | Trolley speed (m/min) | H Size (mm) | C Size (mm) |
|--------------------|-----|-----|------------|---------------|-----------------------|-------------|-------------|
| 2000               | 2m  | M5  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 230         | 350         |
| 3200               | 2m  | M5  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 230         | 350         |
| 5000               | 2m  | M5  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 230         | 350         |
| 5000               | 2m  | M5  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 230         | 350         |
| 8000               | 3m  | M6  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 540         | 360         |
| 10000              | 1Am | M4  | 6/9/12/18  | 1.0/6.3       | 5~20                  | 540         | 360         |
| 10000              | 2m  | M5  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 540         | 360         |
| 10000              | 3m  | M6  | 6/9/12/18  | 0.66/4.0      | 5~20                  | 540         | 360         |
| 12500              | 1Am | M4  | 6/9/12/18  | 0.8/5.0       | 5~20                  | 540         | 420         |
| 12500              | 1Am | M4  | 6/9/12/18  | 1.0/6.3       | 5~20                  | 540         | 420         |
| 12500              | 2m  | M5  | 6/9/12/18  | 0.6/4.0       | 5~20                  | 540         | 420         |
| 16000              | 2m  | M5  | 6/9/12/18  | 0.66/4.0      | 5~20                  | 640         | 480         |
| 20000              | 1Am | M4  | 6/9/12/18  | 0.66/4.0      | 5~20                  | 640         | 480         |
| 20000              | 2m  | M5  | 6/9/12/18  | 0.53/3.4      | 5~20                  | 640         | 480         |
| 20000              | 3m  | M6  | 6/9/12/18  | 1.0/4.2       | 5~20                  | 790         | 620         |
| 25000              | 1Am | M4  | 6/9/12/18  | 0.53/3.4      | 5~20                  | 790         | 620         |
| 25000              | 2m  | M5  | 6/9/12/18  | 0.8/3.3       | 5~20                  | 790         | 620         |
| 25000              | 2m  | M5  | 6/9/12/18  | 1.0/4.2       | 5~20                  | 790         | 620         |
| 32000              | 2m  | M5  | 6/9/12/18  | 0.8/3.3       | 5~20                  | 790         | 620         |
| 32000              | 2m  | M5  | 6/9/12/18  | 0~4.9         | 5~20                  | 895         | 980         |
| 40000              | 1Am | M4  | 6/9/12/18  | 0~4.9         | 5~20                  | 895         | 980         |
| 50000              | 2m  | M5  | 6/9/12/18  | 0~3.2         | 5~20                  | 895         | 980         |
| 50000              | 1Am | M4  | 6/9/12/18  | 0~4.0         | 5~20                  | 895         | 980         |
| 63000              | 1Am | M4  | 6/9/12/18  | 0~3.2         | 5~20                  | 975         | 1100        |
| 63000              | 2m  | M5  | 6/9/12/18  | 0~2.4         | 5~20                  | 975         | 1100        |
| 80000              | 1Bm | M3  | 6/9/12/18  | 0~3.8         | 5~20                  | 1025        | 1525        |
| 100000             | 1Bm | M3  | 6/9/12/18  | 0~2.1         | 5~20                  | 1025        | 1525        |

For more options, please contact Novocranes

Novocranes NWH wire rope electric hoist products are provided with complete series and have its wide application, to provide customers with comprehensive industrial crane equipment and various types of lifting mechanism.



Novocranes NWH wire rope electric hoist is provided with technical characteristics of light self-weight, low headroom and low wheel pressure, to ensure product stability and security in use, and to create long-term value for our customers.

## Applications



### Perfect fit, various applications

Novocranes pays close attention to customers' demands, and the NWH wire rope electric hoist we designed which can be upgraded to NWH explosion-proofing electric rope hoist series. Our products are widely used in many different fields, such as the food industry, chemical industry, petroleum, natural gas and any other occasions that put safety production in the first place.

