

# KITO

New Challenges for New Values

# KITO



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## KITO **RY** SERIES WIRE ROPE HOISTS



## “Safety” is the foundation of manufacturing at KITO

KITO's manufacturing begins with a focus on customers' "safety". How to enhance "safety" is considered in every step of KITO's technical innovation. This design philosophy forms the basis of KITO's RY Series Wire Rope Hoist. RY Series Wire Rope Hoist, inspired by KITO's strict standard for safety, will provide exceptional values for users all over the world.

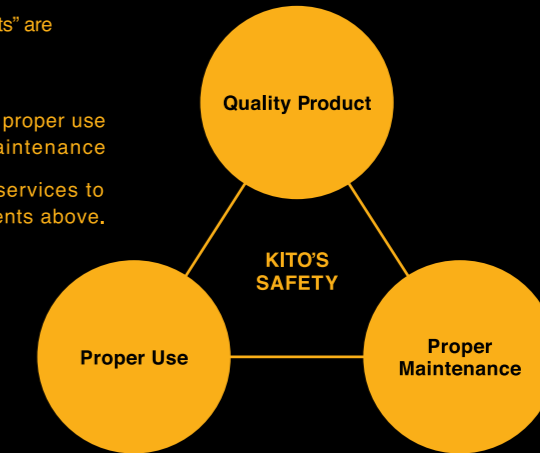


### Three elements of KITO's "safety"

KITO believes that the following "three elements" are indispensable for safety of customers.

1. Supply quality products
2. Ensure that users understand safe and proper use
3. Ensure that users perform proper maintenance

KITO will continue to provide excellent services to customers in order to satisfy those elements above.



### “Reliability” backed by experience

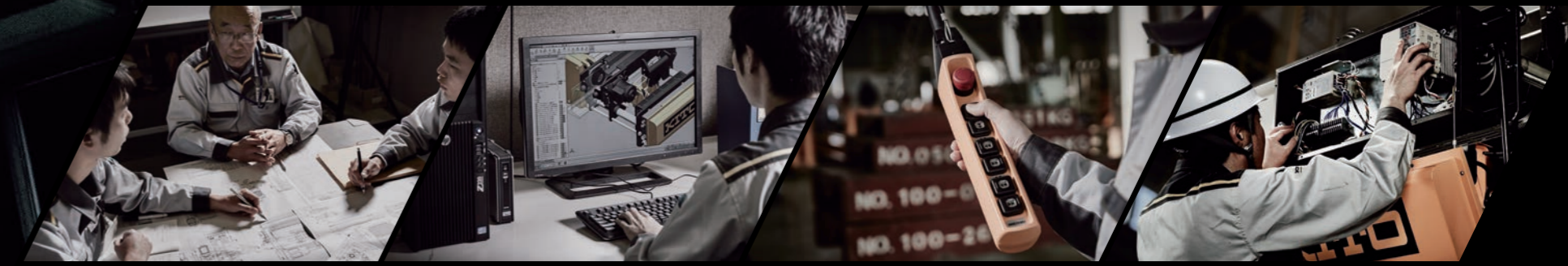
Based on the experience and the technology that have been cultivated through the history of manufacturing over a century, KITO provides reliable products to all over the world.

### To assure the “quality”

Every effort is made to improve the quality by utilizing the know-how accumulated over the years. To provide high-quality products, KITO has established its original standard for quality which is implemented in manufacturing, design and sales.

### Flexibility to meet the “needs”

Customized products are available to meet wide variety of customer needs. KITO will deliver “one of a kind” product that is suitable for every application environment.





# KITO Technology

**RY Series is equipped with technologies and know-how accumulated through KITO's experience with electric chain hoists.**

## 1. Minimizes the swing of a load with KITO's "original inverter control"

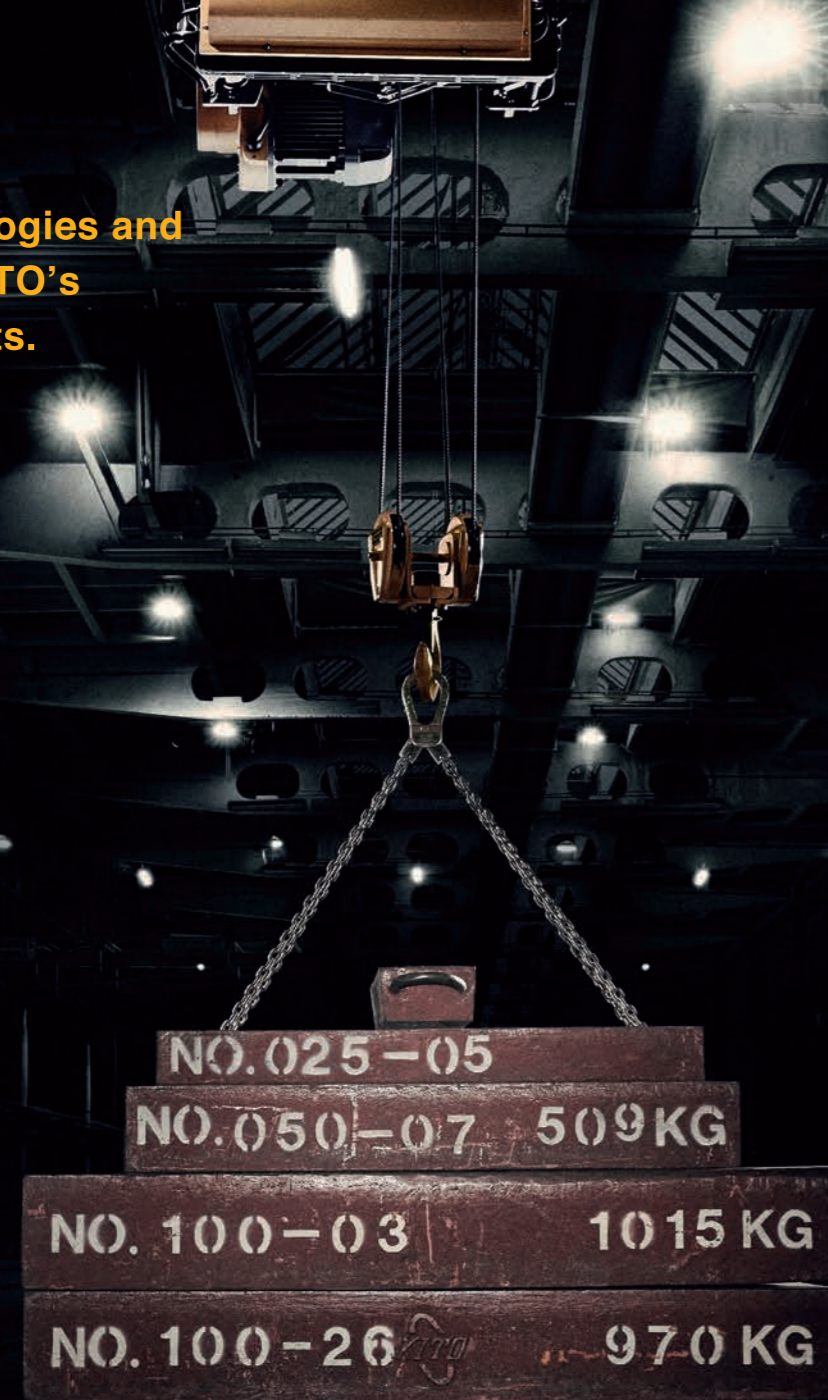
KITO's original inverter control makes a high level of safety and workability possible at the same time. KITO's original technology minimizes the drift in the load movement typical for an inverter control and stops the load at a minimum distance. Furthermore, the soft start/stop function (\*) minimizes the swing of a load, contributing to work efficiency. (\*) Applies to lifting/lowering and traversing operations.

## 2. Equipped with a proven pull rotor type motor brake to ensure a high level of safety

The high-performance brake securely holds a load; service life is optimized with the inverter operation. The simple structure with minimal electric components offers stable operation that is essential for productivity.

## 3. Adopts aluminum casing to reduce weight

Low-pressure casting method is used to make a light-weight aluminum casing with excellent serviceability.



Inverter technology



Pull rotor brake



Aluminum casing



## Features of KITO RY Series Wire Rope Hoist

### Safety

RY is equipped with cutting-edge safety system and the control voltage has been lowered (DC24V) to ensure safety for the operators.

### Durability

Excellent durability and a long service life is offered by utilizing KITO's electric chain hoist technology and originally designed inverter.

### Ease of operation

The ergonomic design makes it easy and effortless to use and provides comfortable operations even for long working hours.

### Design

A simple, modern and functional design accommodates wide variety of applications and demands.

### Productivity

The low-load high-speed function with the inverter is provided for better efficiency. Smooth movement is enabled with the soft start/stop function.

### Total cost

Maintenance time required is reduced by improved service life and serviceability, providing more value over time.



# KITORY SERIES WIRE ROPE HOISTS

## Product Specs

### Safety

**Lower control voltage for the pendant**  
DC24V for improved safety

**Equipped with the inverter as standard (lifting/lowering and traversing)**

Smooth operation with the anti-jogging feature for lifting/lowering. The soft start/stop minimizes the swing of a load.

**Electronic overload limiter**

Detects overload instantaneously and shuts off the circuit for lifting.

**Electronic thermal motor protection**

Detects overheat and stops the operation to protect the motor.

**Upper/lower limit switch**

Upper/lower limits are adjustable to set the range of operation.

**Rope guide**

Full wrap rope guide keeps the rope securely in the groove.

### Durability

**High-performance pull rotor type motor brake**

Durable brake rated for more than 1 million cycles.

### Serviceability

**CH meter (inverter built-in function)**

The number of starts and operating hours are displayed on the LED, enabling users to perform maintenance and inspection in accordance with the frequency of use.

### Performance

**Wire rope (high-strength wire rope)**

Equipped with high-strength wire rope to reduce weight and size of the unit (5t models or higher).

**Low headroom model**

Minimum headroom for efficient use of work space.

**Low-load high-speed function (lifting/lowering)**

Operates at 1.5 times the rated speed with a load less than 25% of rated capacity for enhanced productivity.

**Wide flange range**

Suitable for crane girders with various flange widths.



Wire rope

Pull rotor type motor brake

Low control voltage for pendant

Rope guide

Upper/lower limit switch

Inverter for lifting

- Electric thermal motor protection
- Low-load high-speed function
- Electric overload limiter
- CH meter

Inverter for traversing



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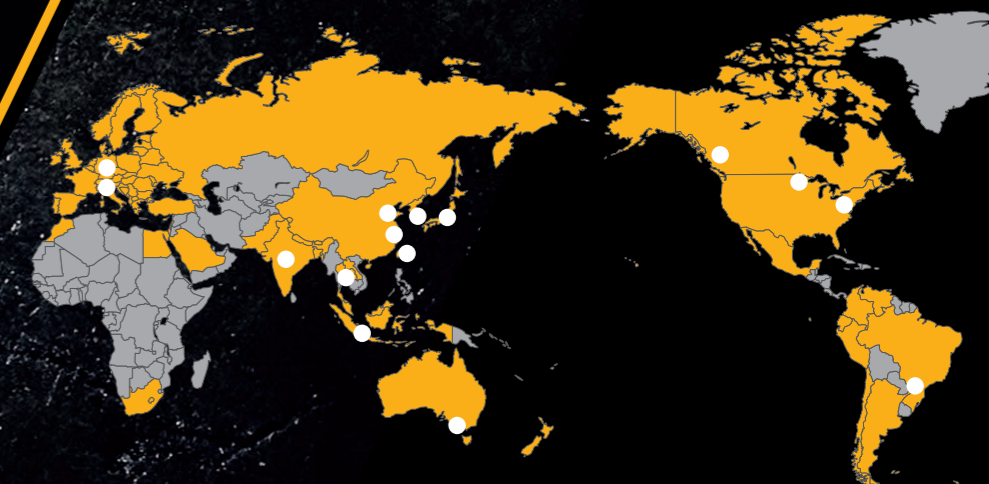


## Lineup

	2.8t	3t	3.2t	4.8t	5t	10t	15t	20t
L	○	○	○	○	○	○		
W	○	○	○	○	○	○	○	○

※L: Low Headroom Type, W: Double Girder Type  
※Contact KITO for information on the release date of a particular model.

## KITO GLOBAL NETWORK



※ KITO sales regions

※ KITO locations

Americas Africa Europe Asia Oceania