

SMARTON® CRANES

A compact, robust and versatile open winch crane





High performance for demanding lifting

SMARTON® has been adopted by many of the world's leading industrial companies because it offers the right mix of mechanical excellence, lifting intelligence, and service support. In the Total Cost of Ownership equation, SMARTON® as backed by Konecranes' Service is a crane that works intelligently for your business.

Optimized for your lifting needs

Each SMARTON is specially configured for its specific operating conditions, giving you a tough, easily adaptable crane for your lifting needs. You can choose almost every aspect of its design: various controller alternatives for crane operators, application-specific hoisting trolley layouts, a range of hook options, and a wide selection of safety features adapted to your particular facility.

If you're planning to build a new production facility, SMARTON® can help cut structural costs. It has low headroom requirements, a compact trolley design and better hook approaches. This results in a smaller building and efficient use of space. You can reduce the overall height of your building with all the resulting cost savings.

Technical highlights

The latest crane technology improves safety and productivity in use

Core components designed and manufactured in house specifically for crane duty application

Compact trolley with optional foldable trolley platform enables better approach dimensions

Full range of Smart Features designed to improve safety

Optional intelligent control PLC makes for easier load handling and a maintenance-friendly user interface

Rope reeving with two independent ropes and innovative design with tilted rope sheaves result in longer rope life-time.

End carriages are specially tailored to your requirements

CORE OF LIFTING IN SMARTON

Our cranes are built around key components that we design and manufacture in-house. Konecranes gears, motors and controls are made only for use in cranes and are fully integrated into the core of our crane technology. We don't just design the components, but also the interactions between them. This approach gives us the flexibility to find the right solution for your lifting needs.



Scan the QR code and read more about each key component.

bit.ly/equipment_core-of-lifting

Heavy-lifting with intelligence

SMARTON, the compact open winch crane, lifts a load from 6.3 tons up to 250 tons. Featuring intelligent mechanical design combined with inbuilt safety functions and a wide range of Smart Features, it is the perfect choice for a wide range

of applications, especially in demanding high-capacity assembly and maintenance work that requires accurate and smooth movement of the lifted load. Our cranes and software based Smart Features are designed to improve safety

and reduce load cycle times by giving you total control over material handling in your production process. Here are just a few examples, but together with our sales experts we can find the best possible set of Smart Features for your needs:



SWAY CONTROL limits load swing by controlling the bridge and trolley acceleration and deceleration. Sway Control allows faster load handling and more precise positioning. This feature also reduces the risk of damage to the load, crane, and surrounding area. **ACTIVE SWAY CONTROL** is also designed to dampen existing load sway.

PROTECTED AREAS are no-go areas that the crane operator cannot override or adjust. Up to 16 rectangular protected areas can be defined, allowing you to protect e.g. valuable production machinery or busy working areas from possible driver error. This Smart Feature increases safety and protects infrastructure.

SNAG PREVENTION is designed to stop all crane movement if the hook, sling, or load accidentally gets caught on something. This safety function reduces the risk of hazardous situations while moving loads and helps to prevent damage to the load, crane, and surrounding area.

HOOK CENTERING is designed to eliminate side pull during lifting by positioning the bridge and trolley automatically directly over the load. This feature means less wear and tear on your crane's components, faster load cycle times, and ease of operation.

Read more about Smart Features

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|--|---|--|---------------------------------|--|------------------------------|
| | SWAY CONTROL AND ACTIVE SWAY CONTROL | | PROTECTED AREAS | | SLACK ROPE PREVENTION |
| | EXTENDED SPEED RANGE (ESR) | | LOAD FLOTING | | MICRO SPEED |
| | SNAG PREVENTION | | HOISTING SYNCHRONIZATION | | INCHING |
| | HOOK CENTERING | | HOOK LEVELING | | TARGET POSITIONING |
| | WORKING LIMITS | | SHOCK LOAD PREVENTION | | END POSITIONING |
| | ASSISTED LOAD TURNING | | | | |



Advanced user interfaces and controls

With an extensive range of intelligent features and sophisticated user interfaces, you can be sure that SMARTON is leading the way in modern crane technology. SMARTON has controls designed with both safety and simplicity in mind. Radio controls, computer tablets, the Remote Operating Station, and the Crane Management System give the operator full control over the load at all times.



SERVICE

Keeping your equipment safe and productive

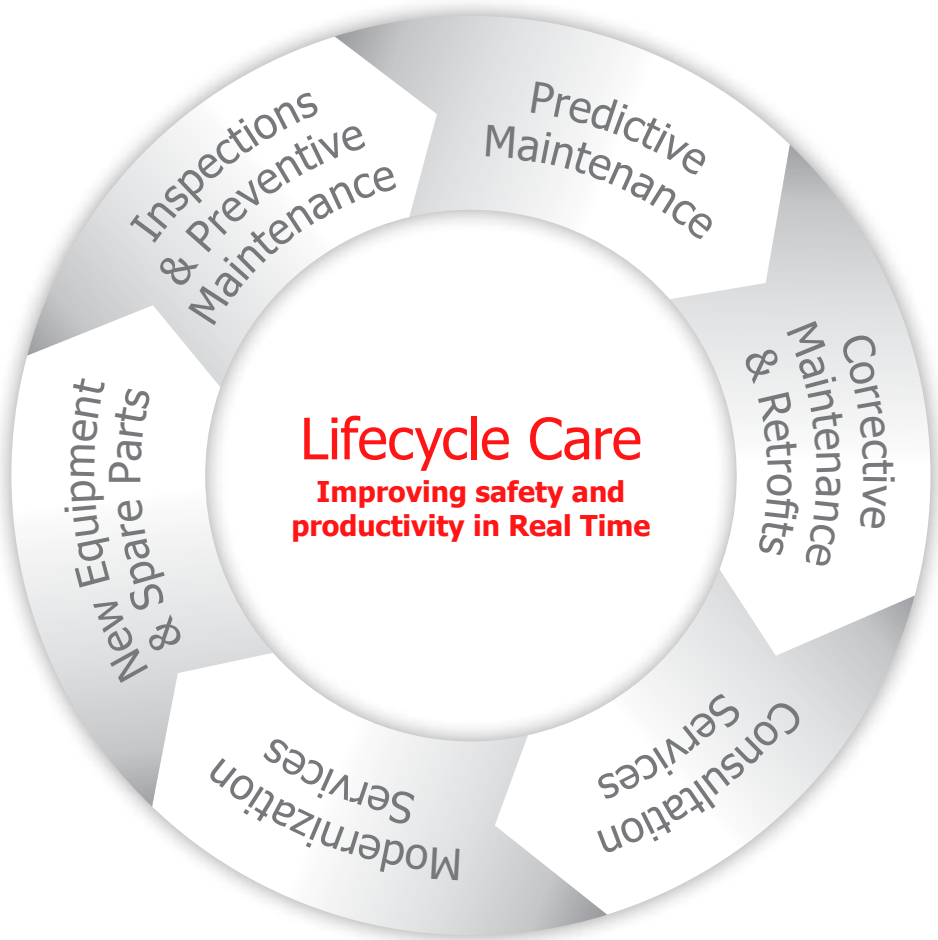
Around the corner and around the globe, we have one of the most extensive service networks in the industry. We are committed to providing you with lifting equipment and services that increase the safety and productivity of your business.

We understand your production

Preventive maintenance is crucial to improving safety and productivity. SMARTON is supported by Lifecycle Care, a comprehensive and systematic approach to maintenance, supported by world-class tools and processes. Lifecycle Care results in the highest lifecycle value – maximizing the productivity of uptime and minimizing the cost of downtime. We can tailor a maintenance plan for you based on your equipment, application, and duty cycle.

Optimize processes and maintenance

We use the Industrial Internet to connect data, machines and people. We bring together usage and maintenance data and combine it with our knowledge and experience, providing insights that allow you to optimize your maintenance operations and activities. Connect with your cranes through remote monitoring and access our online customer portal anytime, anywhere. Your usage and maintenance information is available 24/7 on customer portal yourKONECRANES.com.





Konecranes is a world-leading group of Lifting Businesses™, serving a broad range of customers, including manufacturing and process industries, shipyards, ports and terminals. Konecranes provides productivity enhancing lifting solutions as well as services for lifting equipment of all makes. In 2019, Group sales totaled EUR 3.33 billion. Including MHE-Demag, the Group has around 18,000 employees in 50 countries. Konecranes shares are listed on the Nasdaq Helsinki (symbol: KCR).

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