

INDUSTRIAL CRANES
NUCLEAR CRANES
PORT CRANES
HEAVY-DUTY LIFT TRUCKS
SERVICE
MACHINE TOOL SERVICE

SM CRANE

KONECRANES[®]
Lifting Businesses™

SM CRANE

STRENGTH AND PRECISION



BENEFITS

- COMPACT SIZE
- SAFER AND MORE PRECISE LIFTING
- DESIGNED TO MAKE OPERATOR'S WORK EASIER
- LONG-LASTING AND RELIABLE
- EASY TO MAINTAIN

TOUGHNESS IN A SMALL PACKAGE

The Konecranes SM crane is a compact, high lifting capacity crane for precise, accurate and reliable lifting. This small but strong crane lifts loads of up to 1,000 tons.

The SM crane comes from years of working closely with our customers and a thorough experience of industrial facilities and processes. It is ideal when you need to lift large and heavy loads in production spaces that are sometimes cramped and hard to access.

COMPACT DESIGN OPTIMIZES WORKING AREA

Compared to other trolley types, SM crane often gives you a reduction in the structural requirements of rails, runway beams and columns, and in the overall height of the building. Compact design and economy of space helps you streamlined production areas, smaller buildings, and bigger cost savings.



Heavy duty open winch, lifting capacity up to 1,000 tons.

Less stress on buildings thanks to durable and lightweight structure

Safer and more precise positioning with true vertical lift

Optimal hook approaches allow effective use of floor space

Ropes easily adjusted and replaced due to accessible rope dead ends

Easier for operators with improved load positioning and accuracy with inverter control

Minimized internal stress and rope wear due to unique trolley frame structure and no reverse bends

Totally enclosed hoist gearing increased safety, maintenance free and reliable





FIELD-PROVEN RELIABILITY

The SM crane has been used as a turbine hall crane in power plants around the world for over 40 years and is still our most popular crane for the power industry. Versatile across all kinds of industrial applications, it's been specially designed for very heavy lifting. The unique combination of lifting power and compact design allows the SM crane to fit into confined spaces that are even dangerous or difficult to reach.

DESIGNED TO MAKE OPERATOR'S WORK EASIER

The technology behind the SM crane closely follows the latest advances in industrial machinery handling processes. Crane speed control is more precise and the work area has been optimized. Operator control, ergonomics and comfort has also significantly improved.

COMPACT SIZE

The extremely compact design of the SM trolley leads to minimized approach dimensions and headroom requirements. Even before installation, it may show its value by reducing your building construction costs.

SAFER AND MORE PRECISE LIFTING

Trolleys are constructed with a four-wheel or six-wheel bogie system and true vertical lift to distribute the load evenly along the crane girders. Smaller and lighter loads can be moved more quickly with an auxiliary hoist.

EASY TO MAINTAIN AND BUILT TO LAST

Easy access to each key component simplifies maintenance procedures.

Our desire is to design and build SM crane to meet your lifting requirements year after year.

MODERNIZE WITH SM TROLLEY

You can also replace your original winch with the SM trolley. By doing so, it is possible to increase the capacity of your crane by as much as 20% through modernizations.

COMMON APPLICATIONS:

THE POWER INDUSTRY

In the turbine hall at a power plant, your SM crane can move your heavy but mechanically delicate turbines. Such an operation requires the high level of accuracy and reliability that you get with the SM crane.

Our SM11 and SM12 trolleys carry the heaviest loads. High capacity SM cranes can be tailored for all types of power plants.

The SM crane is also ideal for assembling and maintaining other components, such as generators.

SM crane is well suited for these industries:

- Shipyard
- Power
- Paper and Forest
- Metals production
- Mining
- Automotive
- General manufacturing

**THOUSANDS OF SM CRANES
IN OPERATION TODAY ARE
RELIABLY WORKING AROUND
THE WORLD.**

See how the SM crane has improved the operations of Konecranes customers in the power industry

bit.ly/Heat-exchanger-transportation





TECH SPECS

SM CRANE	Duty class	Max. load (with one trolley) [ton]	Max. height of lift [m]	Max. lifting speed (Norm/ESR) [m/min]
SM1208	M5	125	111	4.6 / 5.7
SM1208	M4	160	111	3.6 / 5.7
SM1208	M3	200	111	3.0 / 5.7
SM1212	M5	200	74	3.0 / 3.8
SM1212	M4	250	74	2.3 / 3.8
SM1212	M3	300	74	2.0 / 3.8
SM1216	M5	250	55	2.3 / 2.8
SM1216	M4	320	55	1.8 / 2.8
SM1216	M3	400	55	1.5 / 2.8
SM1220	M5	320	44	1.8 / 2.3
SM1220	M4	400	44	1.5 / 2.3
SM1220	M3	500	44	1.2 / 2.3

SM CRANE	Duty class	Max. load (with one trolley) [ton]	Max. height of lift [m]	Max. lifting speed (Norm/ESR) [m/min]
SM1108	M5	125	70	4.2 / 4.5
SM1108	M4	160	70	3.6 / 4.5
SM1108	M3	200	70	3.0 / 4.5
SM1112	M5	180	46	2.8 / 3.0
SM1112	M4	240	46	2.4 / 3.0
SM1112	M3	300	46	2.0 / 3.0
SM1116	M5	250	35	2.1 / 2.3
SM1116	M4	320	35	1.8 / 2.3
SM1116	M3	400	35	1.5 / 2.3

Other frame sizes are also available for special or modernization use.

TECHNOLOGY YOU CAN RELY ON

SM cranes are designed to lift valuable equipment that must be treated with great care. Therefore, we have worked hard to make the crane reliable and long-lasting.

UNCOMPROMISED QUALITY

All the core components of the SM crane, including its gears, motors and controls, are made in-house. They are designed specifically to withstand the mechanical stresses of crane use, and integrate seamlessly with each other for smooth crane movement and control.

We carefully manage our materials and manufacturing processes, which are supported by global certificates and standards. Every SM crane is also Factory Acceptance tested (FAT) and Site Acceptance tested (SAT). Process supervision, standards and rigorous testing all ensure the high quality you have come to expect from Konecranes.

FULL SERVICE AND SPARE PARTS BACKUP

We provide specialized maintenance services and spare parts for all types and makes of industrial cranes and hoists. Our global spare parts network means parts are always available, wherever you are located around the world. With 600 locations worldwide, we are there for you when you need us.



SMART FEATURES – MORE ACCURACY WITH HEAVY LOADS

Our special inverter controls let you add Smart Features to your SM crane. For example, Sway Control and Micro Speed or Inching give you even more accuracy in positioning each load.

Read more about Smart Features and see the features in action

bit.ly/KC-Smart-Features





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HEAVY-DUTY
LIFT TRUCKS




SERVICE



MACHINE
TOOL
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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. The Group has 18,000 employees at 600 locations in 50 countries. Konecranes class A shares are listed on the Nasdaq Helsinki (symbol: KCR).

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