KONECRANES®
Lifting Businesses™

LIFTING EQUIPMENT AND SERVICES
FOR ASIA PACIFIC

Global expertise with local presence



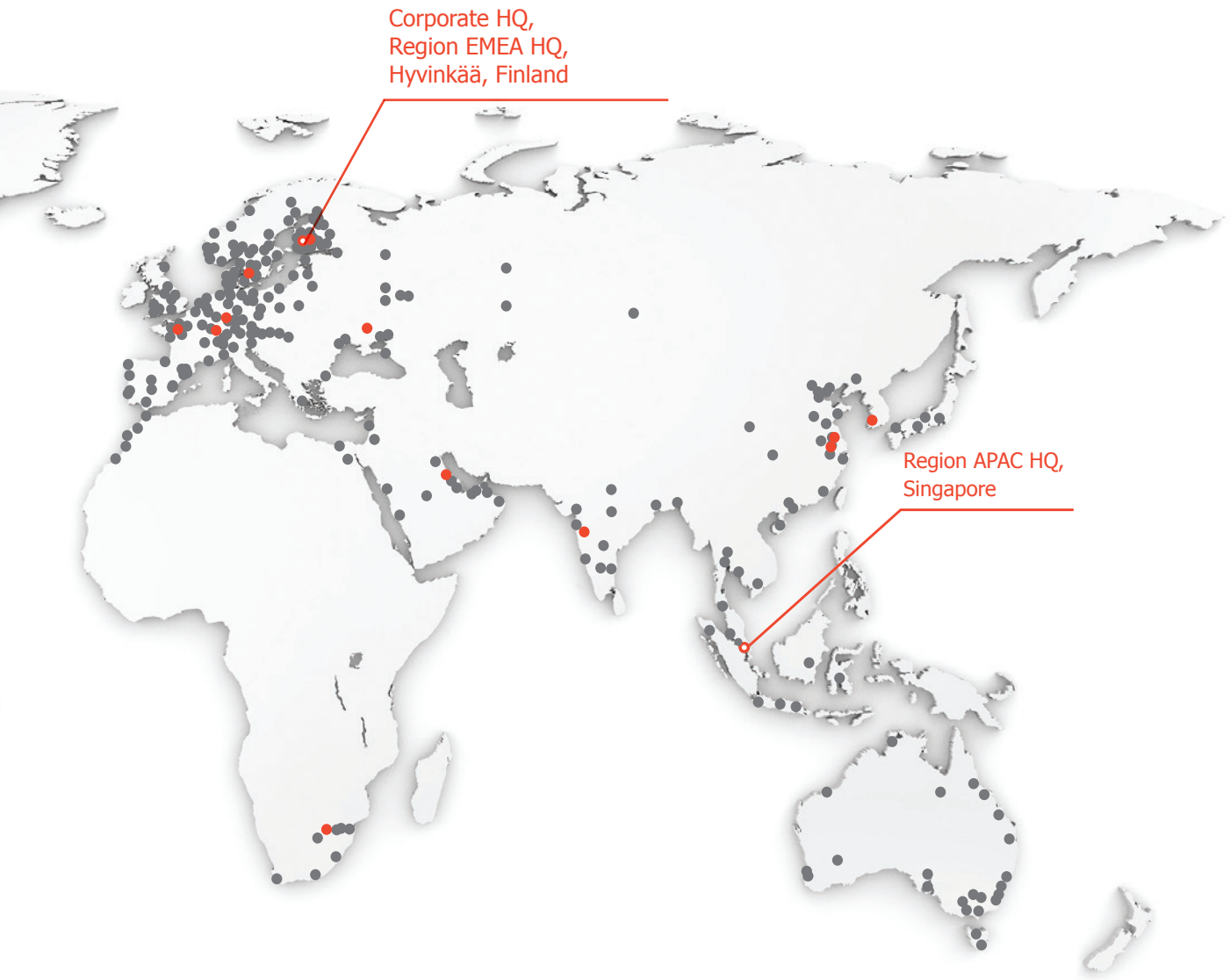
Konecranes overview

Not just lifting things, but entire businesses

Konecranes is an industry-leading group of lifting businesses that offers a complete range of advanced lifting equipment and services to many industries worldwide. Regardless of your lifting needs, Konecranes will provide you world-leading lifting technology that increases the productivity and value of your business.



600 LOCATIONS WORLDWIDE	ACTIV IN 50 COUNTRIES	EQUIPMENT IS 62% OF TOTAL SALES	SERVICE IS 38% OF TOTAL SALES



€ 3.16 BILLION IN SALES IN 2018	OVER 19,000 REMOTE CONNECTIONS	600,000+ ASSETS UNDER SERVICE AGREEMENT	16,100 EMPLOYEES

A long history of Lifting Businesses

1910
Manufacturing starts in Helsinki



1943
Expanding to Hyvinkää



1960's
Establishing a service strategy



1976
Asia Pacific office set up in Singapore
Konecranes Pte Ltd

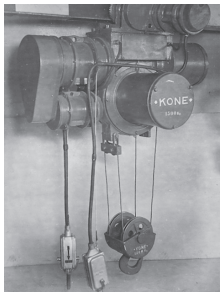


1983
First U.S. acquisition: R&M Materials Handling in Springfield, Ohio

1986
Konecranes acquires Verlinde in Vernouillet, France

1997
First acquisition in Germany: MAN SWF Krantechnik

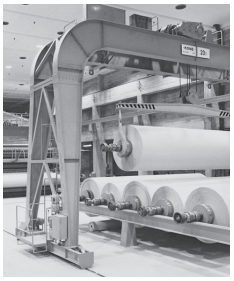
1930's
Developing electric hoists



1950's
Production of harbor cranes starts



1970's
Bulk material handling starts



1985
Konecranes establishes presence in Australia



1994

Independent company
KCI Konecranes formed, when KONE Corporation sells the operations of its crane division

2001

Konecranes establishes presence in Shanghai, China



2004

Reach stackers and lift trucks added to product range through acquisition of SMV Lifttrucks AB of Markaryd, Sweden

Konecranes acquires Morris Material Handling Limited in the UK



2006

Konecranes acquires P&H Material Handling in the USA

Konecranes establishes presence in India



2007

Straddle carrier added to product range through acquisition of products rights from Consens Transport Systeme GmbH



2009

Konecranes Mfg (Jiangsu) Co Ltd JV, Konecrnes acquires 65% of Sanma Crane manufacture Co. Ltd., one of the leading hoist and crane manufacturers in China



2010

Konecranes and Kito Corporation in Japan form a strategic alliance. Konecranes acquired 24.4% of share capital and voting rights in Kito



2017

Acuisition of the MHPS business

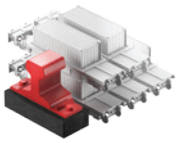


Experience in a wide range of industries

Konecranes has gained an extensive and diverse global customer base by providing lifting equipment and service excellence in a number of industries worldwide.



Automotive



Container handling



General Manufacturing



Mining



Petroleum and Gas



Power



Waste-to-Energy and Biomass



Metals Production



Shipyards



Paper and Forest



General Manufacturing

For over 80 years, Konecranes has been making cranes for nearly every imaginable purpose in manufacturing. We understand your requirements for lean manufacturing, varied loads and short cycle times.

Applications:

Chain Hoist Cranes, CXT® Cranes, SMARTON® Cranes

Konecranes product range in general manufacturing workshop

1. Smart CXT, CXT compact maintenance crane/
2. SMARTON® cranes XK-A/XK-S light crane system with manual hook block, CLX or ATB AirBalancer
3. Jib cranes with manual hook block, CLX or ATB AirBalancer
4. Crane for explosive atmosphere
5. Agilon automatic warehouse system
6. TRUCONNECT® Remote Services for cranes and MTS (Machine Tool Service)
7. Lift trucks and reach stakers
8. Crane service and MTS (Machine Tool Service)

An example of process flow and support operations in general manufacturing workshop

1. Raw material prefabrication
2. Part manufacturing
3. Heat treatment and grinding
4. Heavy part manufacturing
5. Painting
6. Assembly
7. Packaging and shipping
8. Production planning, development and quality control
9. Maintenance operations



Product overview

Konecranes offers a complete range of products and services to fulfill your lifting needs.

Workstation Lifting Systems



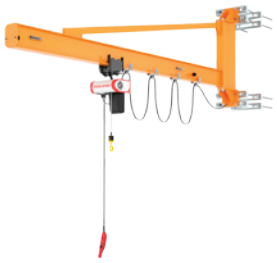
Jib Cranes



XK-A Aluminum Workstation Cranes



XK-S Steel Workstation Cranes



Wall-mounted Jib Cranes



Chain Hoists

Industrial cranes



Chain Hoist Cranes



Wire Rope Cranes



CXT Explorer



SMARTON



Tailored Cranes/Custom Cranes

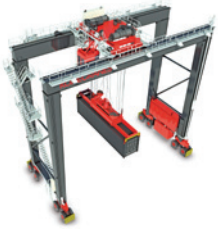


Gantry Cranes

Port Equipment



Ship-to-Shore Cranes



Rubber-Tired Gantry Cranes



Shipyard Cranes



Rail-Mounted Gantry Cranes



Bulk Handling Cranes



Automated Stacking Cranes

Lift trucks



Reach Stackers



Container Lift Trucks



Fork Lift Trucks

Spare parts



Spare Parts

Service



Comprehensive Service

Modernization



Modernization

Workstation Lifting Systems

Ergonomic and reliable lifting throughout your whole process

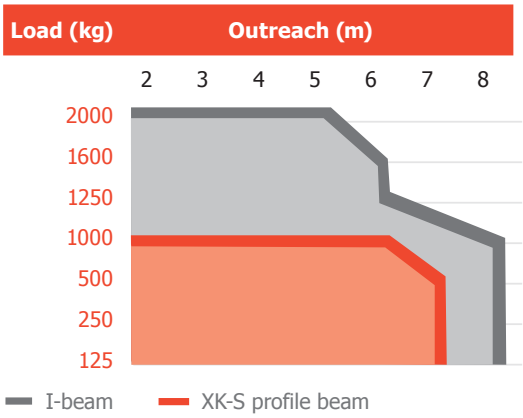




Jib Crane / Wall-mounted Jib Crane

- Motorized trolley with easy load handling is ideal for heavier and larger loads
- Various designs for jib arms based on customer requirements
- Easy and steady slewing with robust bearing and adjustable slewing resistance.
- No external power supply needed as jib and hoist can get electricity from below, side, or above.
- Robust festooning and easy running with reliable cable carriers.
- Flexible anchoring by foundations with cast-in anchors or by adapting to existing concrete floor with base plate and chemical anchors.
- Improved safety with standard on/off safety switch with pillar jibs.

Load and outreach





XK-A Aluminum Workstation Crane

- Load capacity up to 2,000 kg
- Service hatch for easy trolley inspection and maintenance
- Energy supply via festoon or integrated conductor lines
- Motorized trolley for bridge and/ or trolley
- Anodized aluminum surface is optimal for clean environments
- Lighter than steel by about 50% and with less rolling resistance
- Minimal maintenance required and lifetime protection against corrosion

Performance data single-girder cranes

PROFILE SIZE	100	I	II-L	II	II-H	A12	A16	A18	A22
Load Capacity [kg]	Girder Length (m)								
80	3	6	8	8		5	8	8	8
125	3	5	8	8	14	4	6	8	8
250		3	7	8	13	2	4	7	8
500		2	4	7	11	2	3	4	6
1000			2	4	7			3	4

XK-S steel **XK-A aluminum**



XK-S Workstation Crane

- Load capacity up to 2,000 kg
- Service hatch for easy trolley inspection and maintenance
- Energy supply via festoon or integrated conductor lines
- Motorized trolley for bridge and/ or trolley
- Long suspension distances and span lengths
- Longer lifetime and reduced maintenance costs due to dust and dirt protection

Performance data double-girder cranes

PROFILE SIZE	100	I	II-L	II	II-H	A12	A16	A18	A22
Load Capacity [kg]	Girder Length (m)								
	5	9	10	12	14	7	8	8	8
250		6	10	12	14	5	8	8	8
500		4	7	11	14	3	4	8	8
1000			5	7	12			5	6
1600				5	9				5
2000				4	7				4

XK-S steel **XK-A aluminum**

CLX and SLX Chain Hoist

CLX

- Lifting capacity up to 5,000 kg
- 6:1 speed ratio allows fast and precise movement
- Improved safety with hoist limit switch, securing brake, and hook block
- Less stress on the chain with patented chain drive

SLX

- Lifting capacity up to 2,500 kg
- Stepless hoisting speeds with inverter for smooth vertical movement
- Extended Speed Range adjusts speed to suit the load for safety, accuracy and easier positioning
- Slack Chain Control and Shock Load Absorption improve safety and usability



CLX & SLX KEY OPTIONS

- **Robust aluminium frame**
- **High duty class (ED 50%, 300 starts per hour)**
- **Thermal protection and fan ventilation as standard**
- **IP55 protection as standard against dust and water moisture**
- **IP66 protection as option for the entire product range**
- **Enhanced temperature range (–20°C to +40°C, –4 °F to 122 °F)**
- **Various lifting speeds available (4 to 20 m/min, 16 to 65 fpm)**

CLX & SLX	02	05	10	16	25
	CLX	CLX & SLX	CLX & SLX	CLX	CLX
Min. speed [1] (m/min)	2/1	1,3/0,32	0,7/0,16	0,7	0,7
Max. speed [2] (m/min)	20 (up to 125 kg)	20 (up to 250 kg)	20 (up to 500 kg)	16 (up to 800 kg)	20 (up to 1000 kg)
ESR[3] (m/min)		32	32		
C-dimension [4] (mm)	409/461	445/506	537/607	567/693	611/761

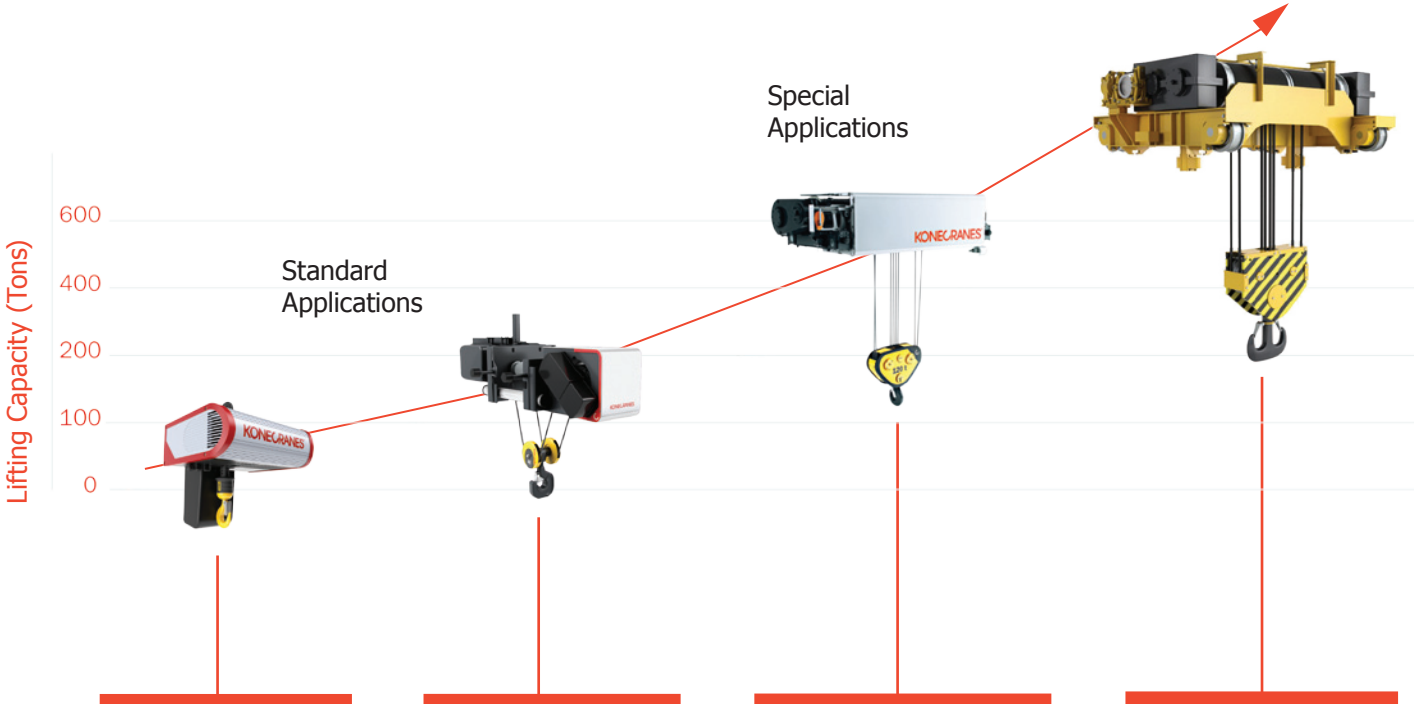


[1] CLX/SLX [2] With 50hz [3] ESR = Extended speed range for SLX [4] 1-fall / 2-fall with hook suspension (8 m/m)

Industrial crane products

Robust and reliable equipment

Konecranes Overhead Cranes are compact, providing superior performance in minimal space. They are equipped with your choice of a CLX electric chain hoist, CXT wire rope hoist or SMARTON open winch.



CLX CHAIN HOIST CRANES
Up to 5 tons

Whether you need to lift 250 kg or up to 5 tons, we can offer a chain hoist crane to meet your individual application requirements for a workstation crane, an overhead traveling crane or a Jib crane.

CXT® WIRE ROPE HOIST CRANES
Up to 80 tons

When you need to lift up to 80 tons, we can provide a versatile crane. CXT Cranes are scalable not only for your lifting requirements but also for your space restrictions.

SMARTON CRANES
Up to 250 tons

If you need a heavy-duty crane for up to 250 tons with a single trolley, or up to 500 tons with two trolleys, SMARTON is for you. If your load handling requirements are more complicated, you can add Smart Features to make SMARTON an even better fit for your process. For example, you can add Smart Features to improve handling and positioning control.

TAILORED CRANES

When you need a tailored crane application, we can supply custom lifting equipment that is integrated into your processes. We can provide a crane tailored to fit most environmental and process requirements. For example, in demanding environmental conditions, we suggest protection against heat and corrosion.

Smart features



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 designed to dampen also the existing load sway.





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.





ADAPTIVE SPEED RANGE (ASR) and **EXTENDED SPEED RANGE (ESR)** give you the opportunity to optimize the speed of your crane. An empty hook can be moved at over double the speed of a loaded hook, allowing the operator to choose the most efficient way to control the hoist. Variable hoisting speeds provide accuracy during slow speed operation and shorter load cycle times during faster operation. See page 24 for more information.



ASSISTED LOAD TURNING helps turn the load by keeping the ropes straight and eliminating side pull. This function makes one of the most challenging crane operations simpler and less risky. The benefits of this feature are faster load cycle times and extended crane lifetime, and it simply makes using the crane easier.



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



FOLLOW ME makes lifting operations much faster because the crane can be moved above the load by simply guiding the hook by hand. This feature reduces load cycle times by making it much easier and faster to load and unload the crane.





PROTECTED AREAS and **WORKING LIMITS** allow the definition of protected zones, such as production machinery or storage areas, which the crane is not allowed to enter. Working Limits builds temporary "virtual walls" at which your crane will stop automatically. These functions help prevent collisions between the crane and valuable equipment located near to the crane, and thus increase safety and prevent possible damage.



LOAD FLOATING keeps the load in position after the hoisting movement stops, so the brake is applied less frequently and wears less. Load Floating allows a faster and smoother restart of the hoisting movement and better control of the load.



HOISTING SYNCHRONIZATION monitors and controls the position difference of the hooks and synchronizes the movement of each hoist. This function gives more accuracy when two hoists are used at the same time.





MICROSPEED and **INCHING** assist in very accurate and precise load handling. Microspeed turns large joystick movements on the operator interface into slow and exact load movements. Inching is designed to ensure accurate final load positioning by allowing the crane operator to move the load in small increments. Both functions reduce the risk of collision and can be used for hoisting and traveling.



SHOCK LOAD PREVENTION allows smooth load pick-up. The hoist drive monitors the load. If the load is picked up abruptly, the hoisting speed is automatically reduced until the load is lifted. This feature is designed to prevent shocks to the load and to the crane, extending the lifetime of the crane's steel structure and mechanical parts.



SLACK ROPE PREVENTION detects when the load has reached its final position and automatically stops the lowering movement. The hoist ropes do not slacken and the lifting device does not fall over. Slack Rope Prevention helps you to control your crane better and avoid potentially dangerous situations.

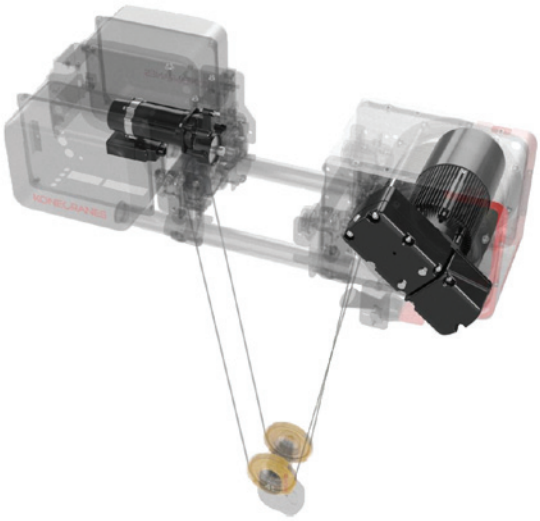


TARGET POSITIONING and **END POSITIONING** reduce the need for manual crane operation. With only a single button, target positioning brings the load to a predefined target position. End positioning brings the load to the center of a final positioning window. These features significantly reduce work cycle times when the work cycle is familiar and repetitive, and make your processes quicker and easier.

The Core of Lifting

The unifying element in lifting

The Core of Lifting is the unifying element in lifting, only from Konecranes. It's an integrated package of gears, motor and controls, designed and made by Konecranes in-house specifically for cranes and lifting motions. And we don't just design the key components. We also design the interaction between the key components and the software, as a whole, specifically for lifting. This in-house approach allows us to satisfy customer-specific needs with the benefits of high-volume manufacturing.



Gears

Our gears are purpose-built because of the special gear teeth needed in lifting. They have the right distribution of force for dynamic load handling: there is a very high safety coefficient against tooth fracture.

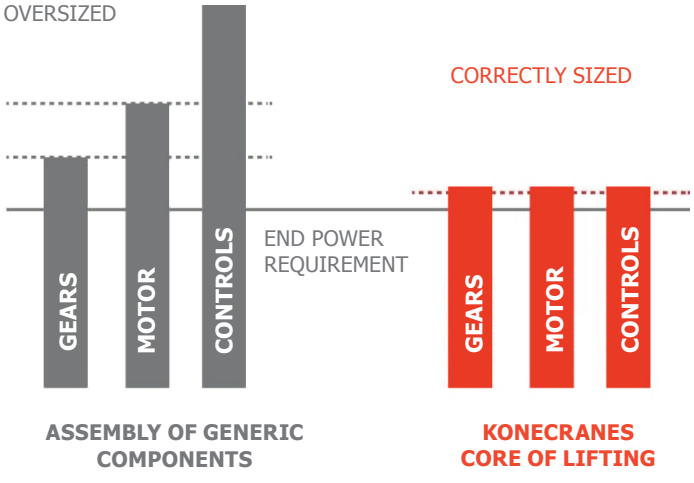
Motors

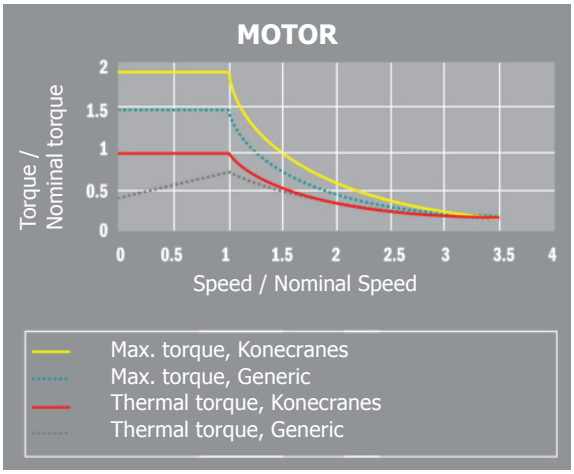
Our motors are purpose-built because of the instant power peak needed in lifting.



Controls

Our controls are purpose-built to fully exploit the strengths of the key components, and how they interact with each other, as a package.





Gears

Konecranes gears are purpose-built because of the special gear teeth needed in lifting. They have the right distribution of force for dynamic load handling: there is a very high safety coefficient against tooth fracture. They have a smooth contact pattern that minimizes pressure on parts, reducing wear and the risk of damage.

With less power consumption, less waste, less wear, and fewer parts, you will have less downtime and less maintenance. Your crane will last much longer.



Motors

Konecranes motors are purpose-built because of the instant power peak needed in lifting. They are accurately sized for crane applications and consume less energy than their generic counterparts.

Konecranes motors are designed to lift loads reliable and steady for many years. Our motors are tailored for their particular lifting tasks.
With careful quality monitoring we provide safe and reliable lifting equipment according to international standards.



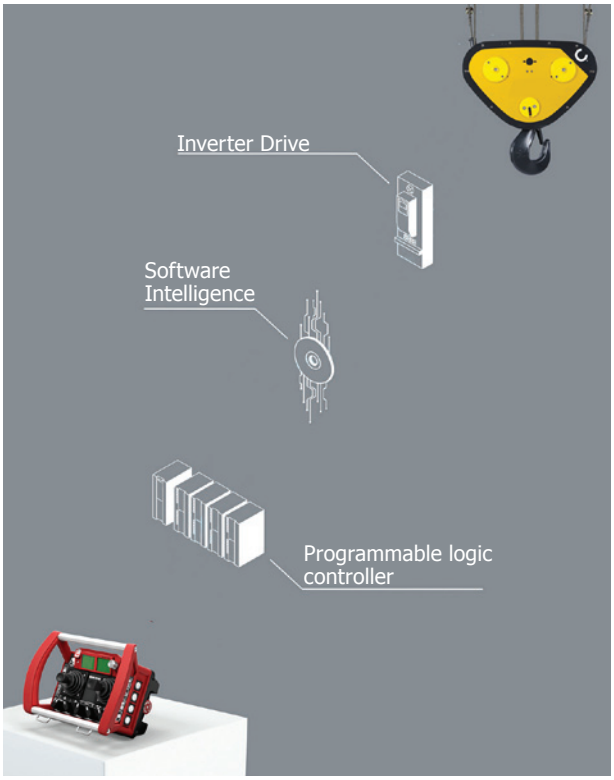
Crane controls

Konecranes control systems are purpose-built to fully exploit the strengths of the key components, and how they interact with each other, as a package. We program the drives specifically for dynamic load handling. We laboratory-test the controls with realworld lifting parameters.

Our controls are carefully engineered and integrated into our cranes. This makes load handling safer and easier.

Possible crane controls:
- pendant
- radio
- cabin
- separate control room

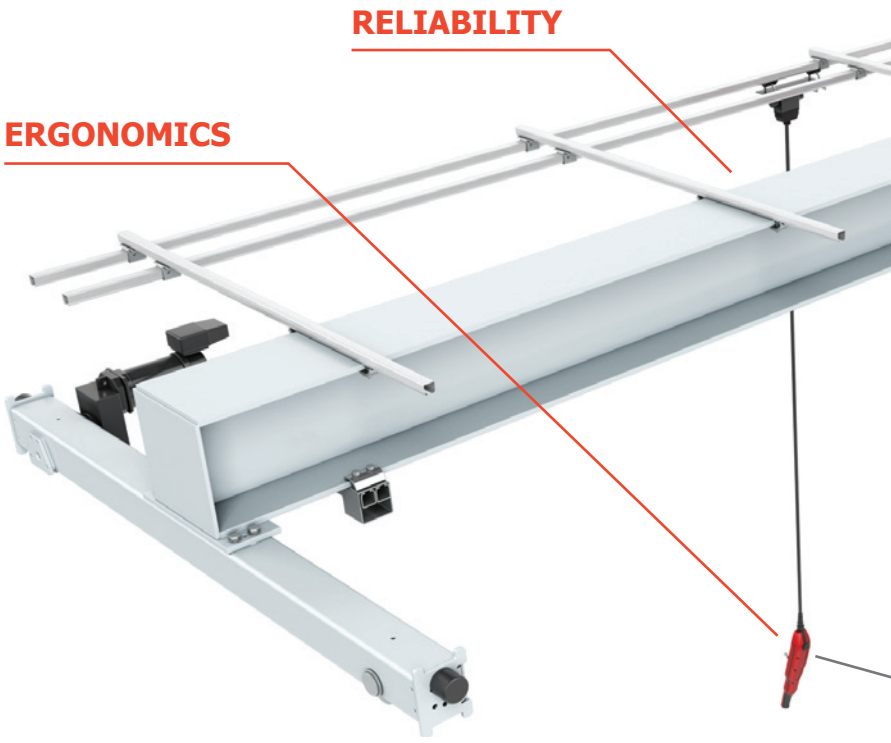




Standard Applications

CLX chain hoist cranes

A strong link in your process chain



CLX Hoist

Wide capacity range of 60–5,000 kg, and customization options to fit every operation.



Chain drive/reeving
- Minimum C dimensions
- Safe, no turnover of hooks with single fall units



Hoist gear
- Versatile speed offering
- No oil change required
- Low noise, smooth operation
- Long lifetime due to high accuracy of manufacturing technology



Hoist brake
- High safety and low maintenance
- No adjustments needed



Hoist limit switch
- Safe cutoff without extensive wear at the slipping clutch
- Protected against environmental influences
- No building height loss
- Easily accessible



Hoist motor
- Fast lifting speeds for high productivity
- Slow speed for precise handling
- Less inching
- Less maintenance and fewer wearing parts



Overload limit protection
- Protects hoist, crane and building structure from overloads
- Increased safety at worksites
- Easy to maintain

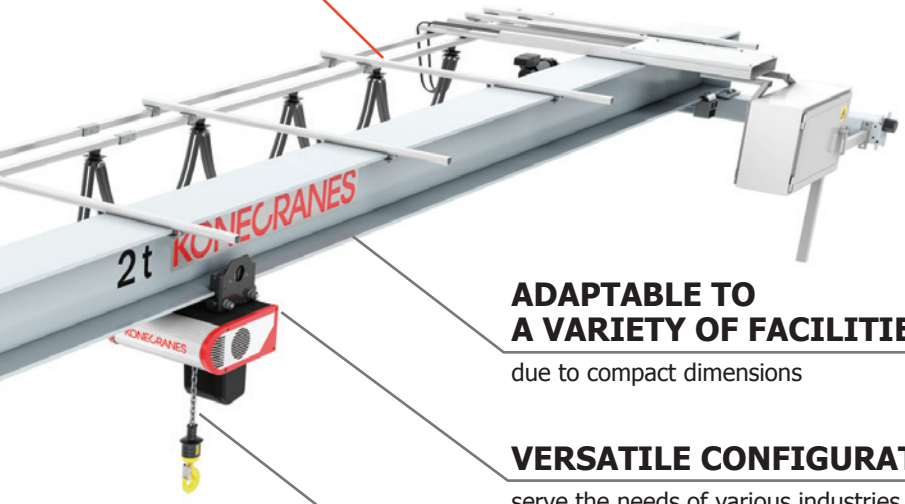


CLX hook block
- Safe, easy and ergonomic handling
- Increased headroom



Chain drive concept
- Quiet
- Less wear and longer chain service life
- Sprocket designed for the life of the hoist with the correct Konecranes chain

HIGH VALUE



ADAPTABLE TO A VARIETY OF FACILITIES

due to compact dimensions

VERSATILE CONFIGURATIONS

serve the needs of various industries

Up to

5 TONS OF LIFTING CAPACITY

with a sturdy steel structure and a robust chain hoist

EASIER OPERATION

with an ergonomically designed, lightweight pendant and standard emergency stop

reddot design award
product design 2013



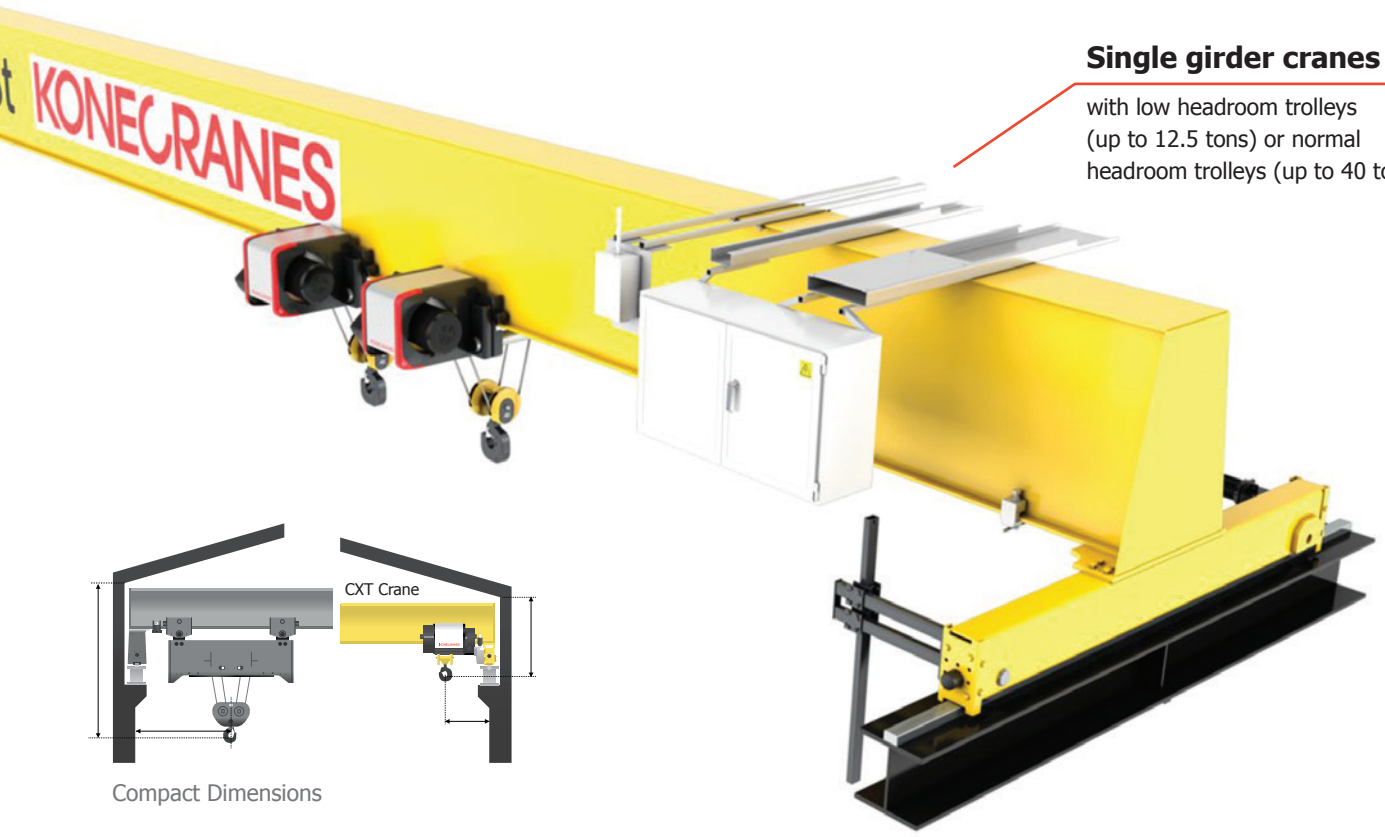
Load	Duty		Lifting		Falls	Hoist Type
Ton / Kg	ISO rating	FEM	m / min		fpm	
1 / 1000	M5	2m	4 / 1.3	16 / 5	1	CLX10 04 1 100 5
	M5	2m	8 / 1.3	32 / 5	1	CLX10 08 1 100 5
	M4	1Am	10 / 1.6	16 / 3	1	CLX10 10 1 100 4
	M6	3m	12.5 / 2	16 / 3	1	CLX16 12 1 100 6
	M6	3m	16 / 2.6	16 / 0.8	1	CLX25 16 1 100 6
	M6	3m	20 / 3.3	16 / 0.8	1	CLX25 20 1 100 6
	M6	3m	4 / 0.7	32 / 1.7	2	CLX10 10 2 100 6
1.25 / 1250	M4	1Am	4 / 1.3	16 / 5	1	CLX10 04 1 125 4
	M4	1Am	8 / 1.3	32 / 5	1	CLX10 08 1 125 4
	M6	3m	8 / 1.3	32 / 5	1	CLX16 08 1 125 6
1.6 / 1600	M5	2m	4 / 0.7	32 / 1.7	2	CLX10 04 2 160 5
	M5	2m	5 / 0.8	16 / 0.8	2	CLX10 05 2 160 5
	M5	2m	8 / 1.3	32 / 5	1	CLX16 08 1 160 5
	M6	3m	12.5 / 2	16 / 3	1	CLX25 12 1 160 6
2 / 2000	M5	2m	4 / 0.7	32 / 1.7	2	CLX10 04 2 200 5
	M4	1Am	5 / 0.8	16 / 0.8	2	CLX10 05 2 200 4
	M6	3m	6.3 / 1	32 / 1.5	2	CLX16 06 2 200 6
	M6	3m	8 / 1.3	32 / 5	1	CLX25 08 1 200 6
2.5 / 2500	M4	1Am	4 / 0.7	32 / 1.7	2	CLX10 04 2 250 4
	M6	1Am	4 / 0.7	32 / 1.7	2	CLX16 04 2 250 6
	M5	2m	8 / 1.3	32 / 5	1	CLX25 08 1 250 5
3.2 / 3200	M5	2m	4 / 0.7	32 / 1.7	2	CLX16 04 2 320 5
	M6	3m	6.3 / 1	32 / 1.5	2	CLX25 06 2 320 6
4 / 4000	M6	3m	4 / 0.7	32 / 1.7	2	CLX25 04 2 400 6
5 / 5000	M5	2m	4 / 0.7	32 / 1.7	2	CLX25 04 2 500 5

Standard Applications

CXT wire rope hoist cranes

Technology that is tried, tested and true

CXT wire rope hoist cranes are medium-heavy indoor cranes with lifting capacity up to 80 tons; cranes that are indispensable in your assembly workshop or industrial plant. CXT wire rope hoist cranes are available in single or double-girder construction, with a profile or box girder design.



Single girder cranes

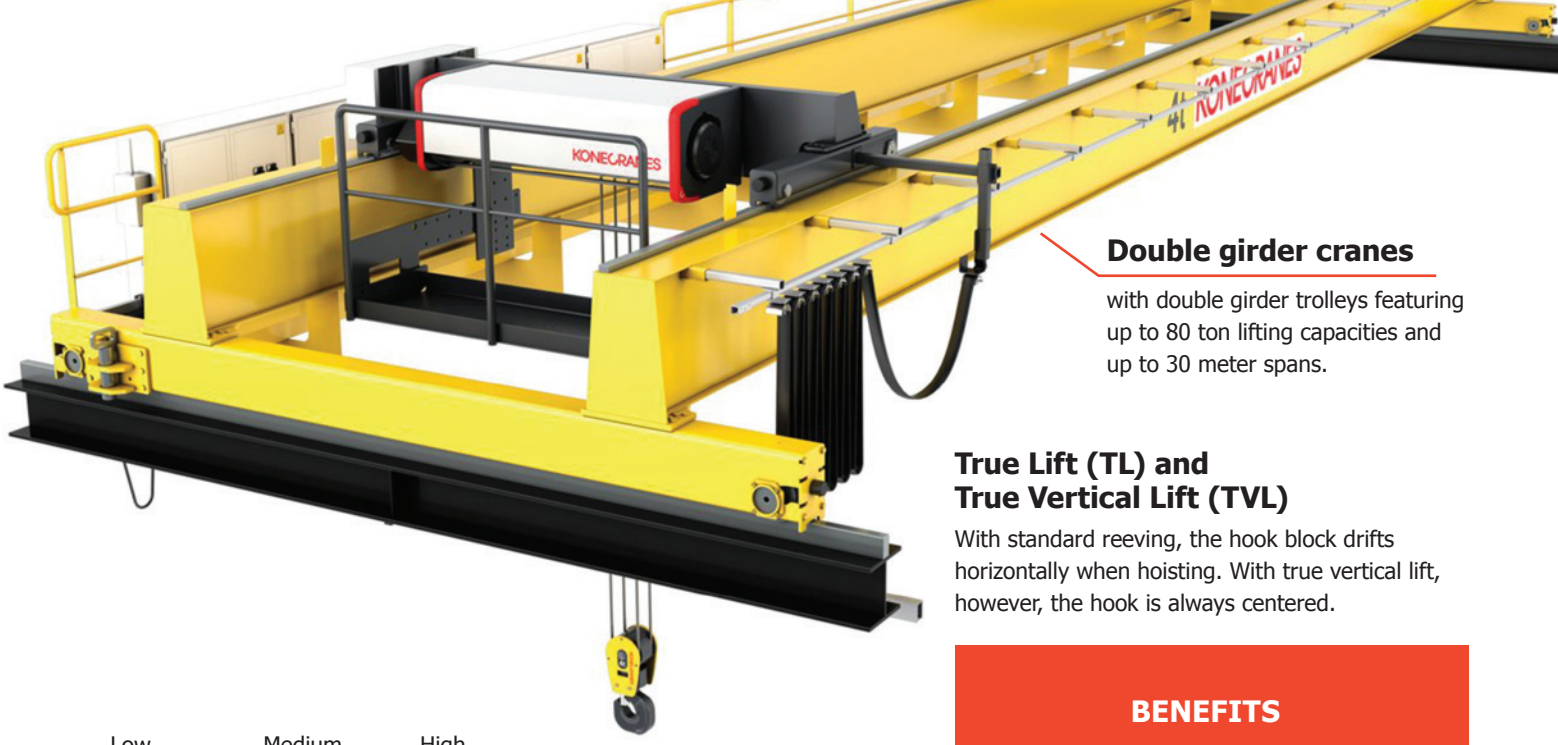
with low headroom trolleys (up to 12.5 tons) or normal headroom trolleys (up to 40 tons).

Compact Dimensions

Product range up to 10 tons

	Rope Reeving	Capacity [Metric tons]							Configuration				Lifting Speed [m/min @50 Hz]	Max. Lifting height	
Frame Size	TL1	1	2	3,2	5	6,3	8	10	Fixed	N	L	M	Standard	[m]	
CXT 2	21	M5							✓	✓	✓	✓	10/1.7	19	
	41	M6	M5						✓	✓	✓	✓	5/0,8	9.5	
CXT 3	21	M6							✓	✓	✓	✓	10/1.7	19	
	41		M6	M6					✓	✓	✓	✓	5/0,8	9.5	
CXT 4	21		M6	M4					✓	✓	✓	✓	10/1.7	30	L – possible for HO L up to 24 m
	41				M5	M4			✓	✓	✓	✓	5/0,8	15	L – possible for HO L up to 12 m
CXT 5	21				M5				✓	✓	✓	✓	10/1.7	40	L – possible for HO L up to 32 m
	41				M6	M6	M5	M5	✓	✓	✓	✓	5/0,8	20	L – possible for HO L up to 16 m

TL: True Lift TVL: True Vertical Lift N: Normal Headroom L: Low Headroom M: Medium Connection Double Girder

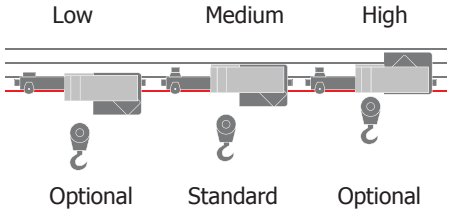


Double girder cranes

with double girder trolleys featuring up to 80 ton lifting capacities and up to 30 meter spans.

True Lift (TL) and True Vertical Lift (TVL)

With standard reeving, the hook block drifts horizontally when hoisting. With true vertical lift, however, the hook is always centered.



With different trolley configurations, CXT electric wire rope hoists maximize the lifting height.

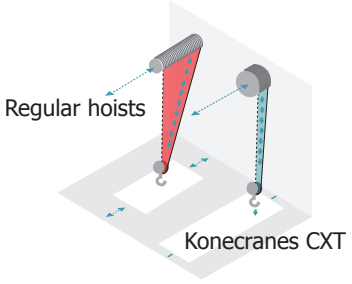
BENEFITS

- **Larger drum diameter results in a small lateral hook drift, with better hook approach that helps conserve space**
- **Short drum configuration causes less rope and sheave wear, as the rope enters the drum and sheaves at a small angle**

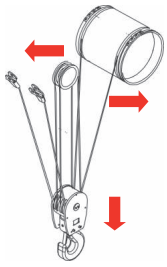
Trolleys

Five frame sizes	up to 80 tons
Low headroom trolleys	up to 12.5 tons
Normal headroom trolleys	up to 40 tons
Swivel trolleys	up to 40 tons
Fixed hoists	up to 80 tons
Double girder trolleys	up to 80 tons

True Lift



True Vertical Lift



Product range 10 tons and over

	Rope Reeving		Capacity [Metric tons]										Configuration				Lifting Speed [m/min @50 Hz]	Max. Lifting height [m]	
Frame Size	TL	TVL	10	13	16	20	25	32	40	50	63	80	Fixed	N	L	M	Standard	TL	TVL
CXT 5	41	42	M5										✓	✓	✓*	✓	5/0.82	02	3
	61	62	M6										✓	✓	X	✓	3.2/0.51	31	1
	81	82			M5	M4							✓	✓	X	✓	2.5/0.41	01	1.5
CXT 6	21	22	M4										✓	✓	X	✓	8/1.39	79	8
	41	42		M6	M5	M4							✓	✓	X	✓	4/0.7	48.54	9
	61	62				M6	M5						✓	✓	X	✓	2.5/0.43	2	32.5
	81	82						M5	M4				✓	✓**	X	✓	2.0/0.32	4	24.5
CXT 7	X	22			M5	M4							✓	X	X	✓	8/1.37		1
	X	42					M6	M5	M4				✓	X	X	✓	4/0.7		35.5
	X	62							M6	M5			✓	X	X	✓	2.5/0.4		23.5
	X	82									M5	M4	✓	X	X	✓	2.0/0.4		17.5

*L possible up to 16 m HOL **N possible only for TVL
TL: True Lift TVL: True Vertical Lift N: Normal Headroom L: Low Headroom M: Medium Connection Double Girder

Standard Applications

CXT hoist

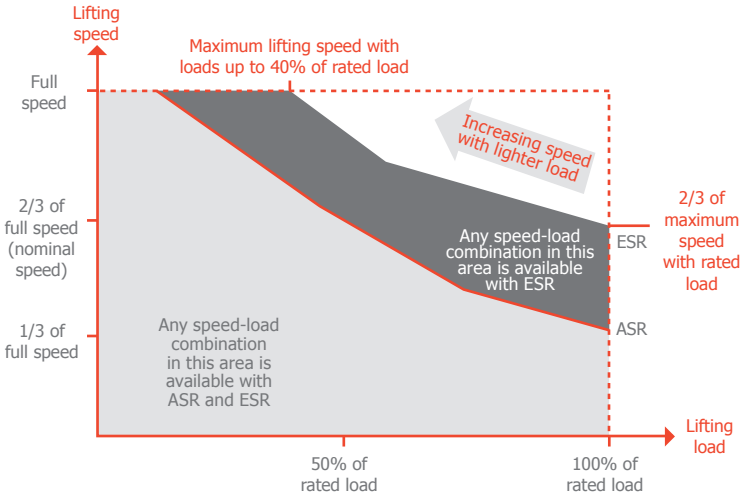
The heart of every CXT Crane

In the core of every CXT Crane is the CXT Hoist, one of the most popular hoists on the market. It has all the key features to lift efficiently, reliably and safely, regardless of operating conditions. With multiple trolley configurations, CXT electric wire rope hoists maximize lifting height and are easily fitted to many kinds of building environments.





Variable hoisting speed technology



Adaptive Speed Range (ASR) and Extended Speed Range (ESR)

give you the opportunity to optimize the speed of your crane. Variable hoisting speeds provide accuracy during slow speed operation and shorter load cycle times during faster operation.

ASR automatically varies the speed of the hoist according to the load. For full capacity loads, ASR forces a slower, more deliberate speed to enhance safe lifting. Moderate loads can be moved with additional speed, while light loads are afforded even more speed. It also has the ability to lift up to 50% faster than traditional hoisting control.

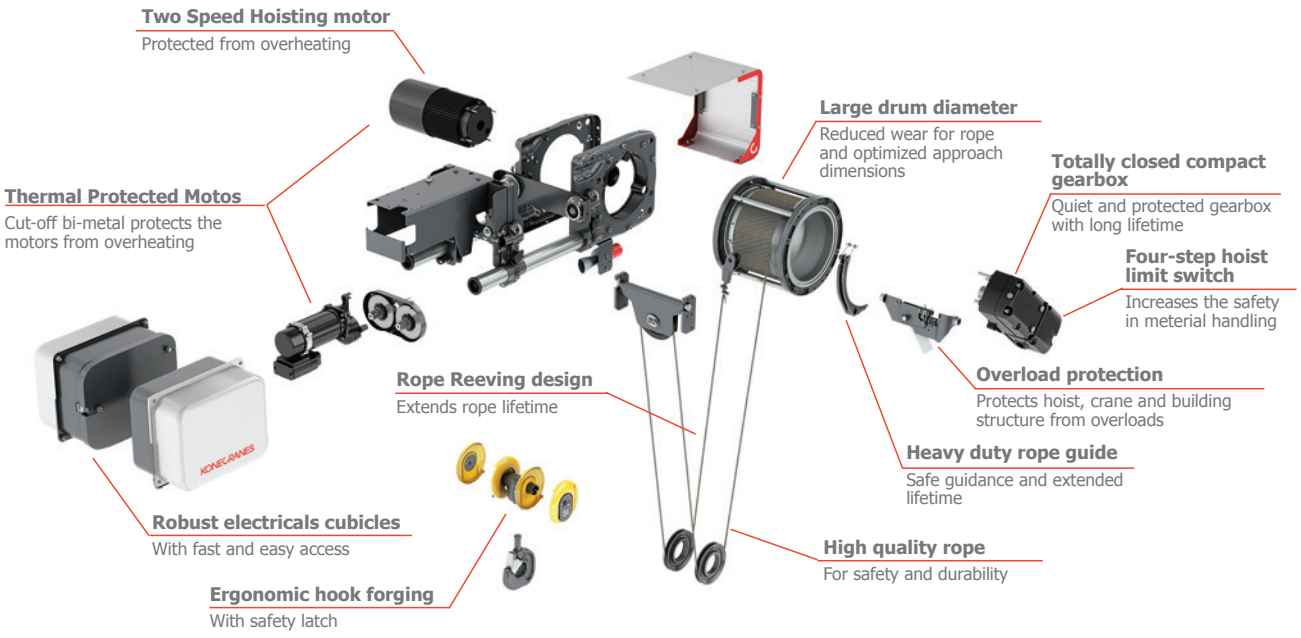
ESR uses inverter technology to allow increased hoist speed for light loads. The faster hoist speed enables operators to return empty hooks to position or move smaller loads with greater speed and efficiency.

Basic Information	
Capacity	up to 80 tons
Spans	up to 30 meters
Crane configuration	
Top running	/
Under running	/
Girder	
Single girder	/
Double girder	/
Hoisting motors	
2-speed hoisting motors	/
Inverter hoisting motors	O
Trolley traveling motors	
2-speed contactor control	X
Inverter control	/

Bridge travelling motors	
2-speed contactor control	O
Inverter control	/
Control system	
Pendant	/
Radio	O
Hoist power supply	
C-track festooning	/
Energy Chain	O
Safety	
Overload protector	/
Thermal protection for all motors	/
Hoisting limit switch	/
2-step limit switch for bridge traveling	/
2-step limit switch for trolley traveling	/
Hook-operated limit switch	O

Markings / Standard O Option X Not available

CXT hoist components



Radio control

A crane is typically controlled from a distance. The usual method of controlling a regular assembly workshop crane is by using a pendant controller hanging from the crane, or wirelessly via radio control.

In some special applications and full automation cranes, the control method can be a cabin, separate control room, or even a sophisticated ERP system.



REMOX radio control increases efficiency and reduces operating risks. It allows an operator to monitor the load on the hook and manually assist it, if necessary. A crane equipped with Smart Features, together with an intelligent HIM transmitter, is a serious tool for even the most demanding applications.

Konecranes radio is lightweight and easy to use, and takes the ergonomics of controlling cranes beyond expectations.
Radio control allows the operator to control the load with a single grip, so their concentration is more fully on the load.

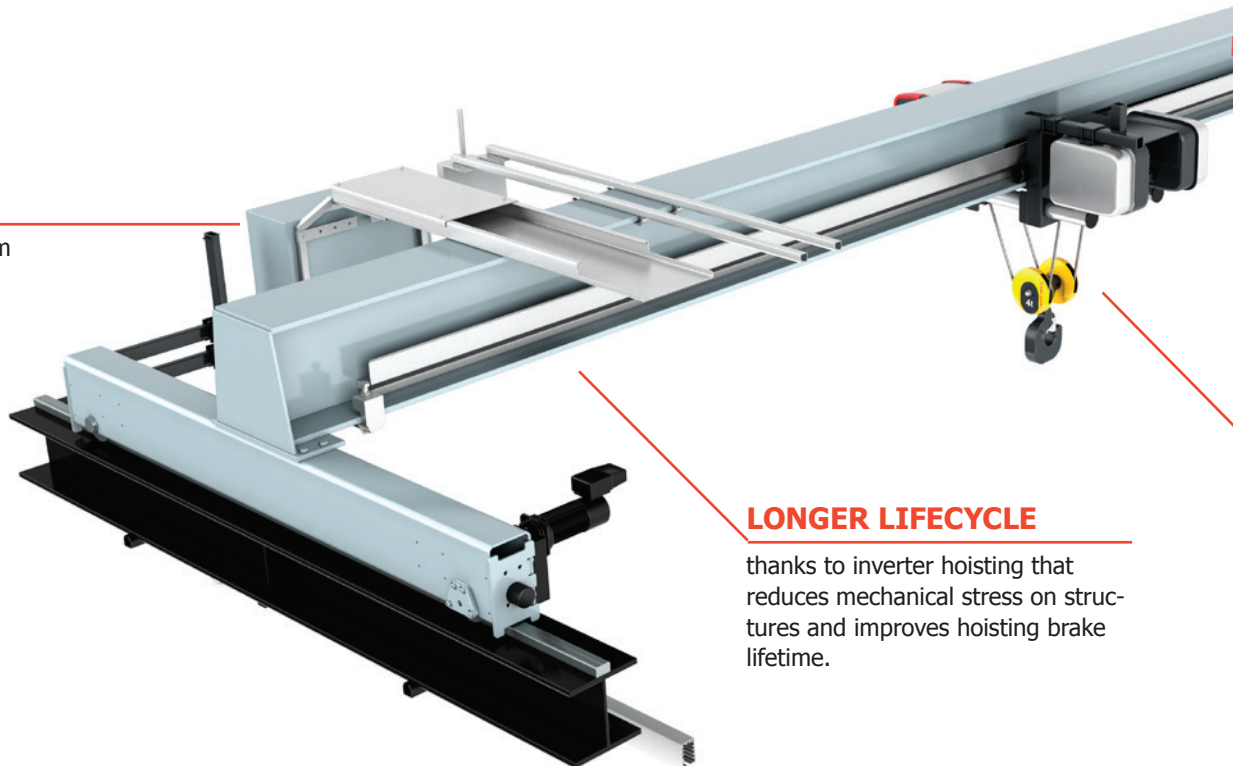
CXT NEO®

Redefining the standard
Flexible, variable and powerful

When it comes to lifting, the CXT NEO is both powerful and agile. Its ergonomic design and intuitive radio control streamline operations. Inverter hoisting provides strength and accuracy with load positioning, and the TRUCONNECT® Remote Service package helps keep it running smoothly. That's what we mean by "redefining the standard" in general lifting.

OPTIMIZED MAINTENANCE ACTIVITIES

using insights drawn from TRUCONNECT Remote Monitoring data.



LONGER LIFECYCLE

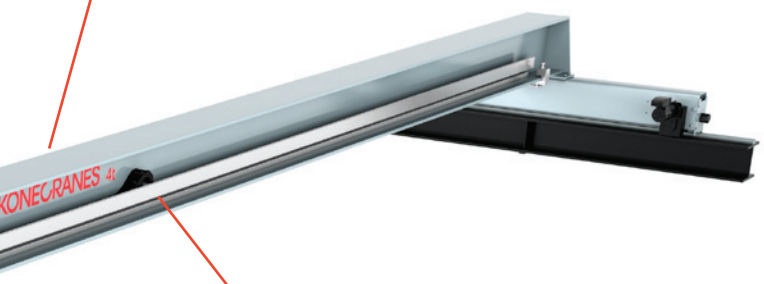
thanks to inverter hoisting that reduces mechanical stress on structures and improves hoisting brake lifetime.

CXT® NEO crane – Facts at a glance

	SINGLE-GIRDER		UNDER-RUNNING		DOUBLE-GIRDER
HEADROOM	**Low**	**Normal**	**Low**	**Normal**	
FEATURES					
ASR inverter hoisting	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
Radio	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
Energy chain power feeding for trolley	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
TRUCONNECT Remote Monitoring	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
Extended warranty	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Rope Angle Features Module	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
RAL7035 grey color	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
RAL1028 yellow color	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL

UP TO 80 TONS

of lifting capacity and up to 160 tons with two similar hoists.



IMPROVED SAFETY

with energy chain, which protects power and control cables from mechanical wear and reduces the risk of external damage.

INCREASED ACCURACY IN LOAD CONTROL

thanks to stepless ASR hoisting speeds and the Rope Angle Features Module.

Rope Angle Features Modul:



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.



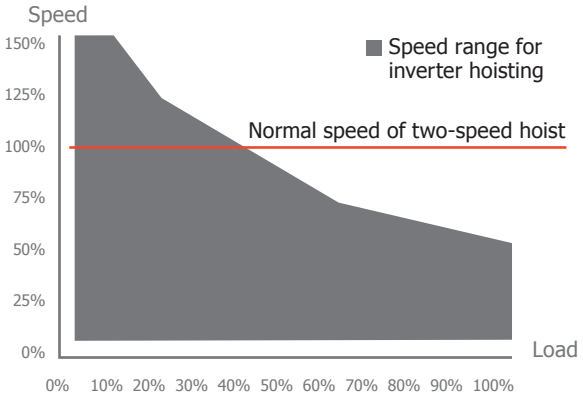
SNAG PREVENTION is designed to stop all crane movement if the hook, sling or load accidentally gets caught on something. This safety function reduces the risk of hazardous situations while moving loads and helps to prevent damage to the load, crane and surrounding area.



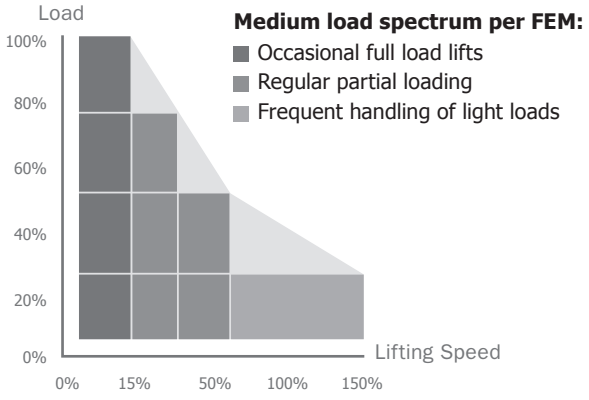
FOLLOW ME(*) makes lifting operations much faster because the crane can be moved above the load by simply guiding the hook by hand. This feature reduces load cycle times by making it much easier and faster to load and unload the crane.

(*Follow Me is recommended for up to 10t cranes)

INVERTER HOISTING (ASR) TECHNOLOGY LOAD SPECTRUM & SPEEDS



ASR = Adaptive Speed Range



Medium load spectrum per FEM:
- Occasional full load lifts
- Regular partial loading
- Frequent handling of light loads

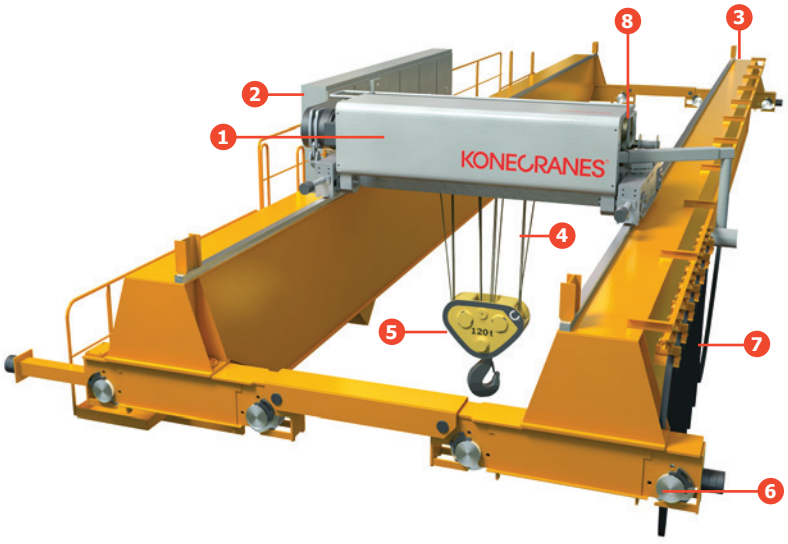
Inverter hoisting (ASR) motor characteristics:
Fast speed for light loads
Medium speed for partial loading
Safety speed for heavy loads

Special Applications

SMARTON

Intelligent lifting for heavy-duty purposes

When your lifting processes require a heavy-duty crane, SMARTON is for you. It has a lifting capacity of up to 250 tons with one trolley and up to 500 tons with two trolleys. SMARTON comes with many advanced features that will improve the efficiency and safety of your production process. There are also several optional features that you can add to your crane at any point in the future, as it evolves to meet your needs.

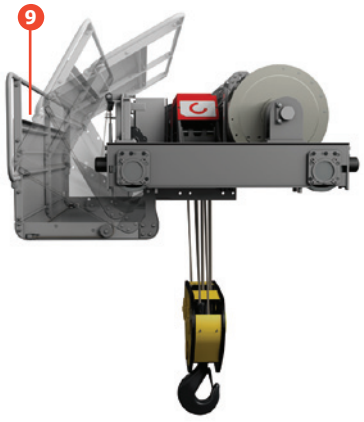


SMARTON APPLICATIONS

Especially for assembly duty applications

- Pulp & paper
- Power plants
- Automotive
- General manufacturing

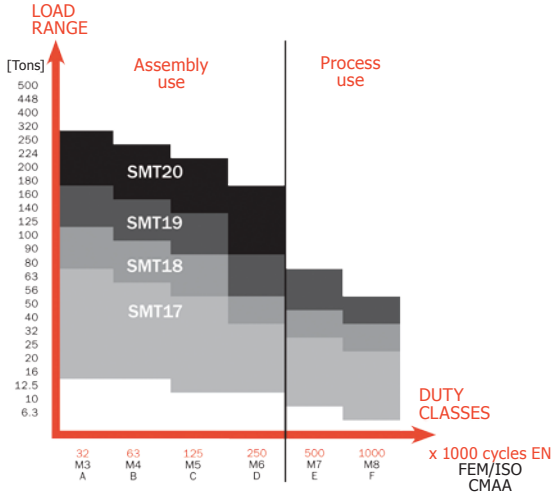
Advanced SMART features are available.



SMARTON TECHNOLOGY HIGHLIGHTS

1. Konecranes **'Core of lifting'** is the electro-mechanical heart of SMARTON, consisting of motor, gearbox and control unit. It has very compact dimensions and is perfectly integrated for lifting.
2. **Electrical cabinets** house control functions and lifting intelligence.
3. **Steel structure** features a box construction that gives much better torsion resistance than open-section designs.
4. **True vertical lift** is provided by a twin-rope configuration to minimize horizontal movement when the load is lifted or lowered.
5. **Hook block** has a rope reeving configuration to eliminate the reverse bending that causes rope fatigue and premature failure.
6. **The traveling wheels** of the crane are easily re-aligned with the runway rails if misalignment should occur.
7. **Power and signal cables** are attached to the crane girder as a festoon system that moves alongside the trolley.
8. **Two-point drum suspension** allows the gearbox to articulate when the rope drum and trolley structure bends under a load, and extends the lifetime of the gearbox.
9. **Service platform** and hand crank for opening and closing it. When closed, the platform protects the machinery when the crane is in use.

Trolley & load range



User experience taken to the next level



SMARTON tablet and **Radio Controller** make **SMARTON** easy to operate and maintain. A tablet interface is connected wirelessly to the crane control system, and can be mounted to the radio controller or in the operator's cabin. The tablet and radio controller provide crane and process data to aid in troubleshooting and preventive maintenance.

CXT Explorer



Lift anywhere

The Konecranes CXT Explorer is an affordable, strong and portable solution for all kinds of lifting needs. This crane follows you practically wherever you need to lift up to 6.3 tons. We have put standard lifting equipment into one ISO shipping container to bring you a predesigned package with a carefully-selected range of standard functions and optional extras.

Mobile

You can easily transport the CXT Explorer inside or outside. It only takes a few hours to set up or dismantle the crane.

Complete

The CXT Explorer is sold and delivered as a predesigned package, so the delivery process is fast. All of the crane components arrive at your site in one standard ISO shipping container.

Safe

A stable and reliable crane you can operate from the ground makes field lifting safer and more accurate, and lowers the risk of damage or collision.

Service

Comprehensive service programs, spare parts and fast service response save you time and money.

Primary applications

- Working with large or heavy materials
- Maintaining heavy machinery or equipment
- Loading and unloading tasks
- Moving industrial equipment, vehicles and other items

Customer areas

- Construction
- Mining
- Vehicle maintenance
- Agriculture
- Natural gas compressor stations
- Oil exploration, onshore and offshore drilling

FACTS AT GLANCE

- Lifting capacity 6.3 tons (13900 lbs)
- Span 5m (16.5ft)
- Height of lift 5m (16.5ft)
- Runway length 6m (20ft)
- 6m (20ft) standard ISO shipping container



OVERHEAD CRANE

- CXT electric overhead crane (1, total weight approx. 1250 kg)
- Equipped with electric hoist
- 2 speed contactor controlled lifting
- 1 speed contactor controlled travelling movements

STEEL STRUCTURE

Total weight approx. 1800 kg / 3970 lbs

6M (20FT) STANDARD ISO SHIPPING CONTAINER

On any solid surface and in any location, the crane is reliably supported by two sturdy shipping containers.

Make the most of your working area

When you don't have room for a standard elevated runway, choose the CXT gantry crane. With the CXT gantry crane you can build your production in multiple layers. It maximizes your operating area and uses our well-known CXT hoist, built to last with specialized Konecranes components, for all of your lifting needs.

With specially-designed steel structures, the CXT gantry crane can fit into different kinds of buildings and areas, indoor or outdoor. It is available in several different girder designs and trolley configurations.

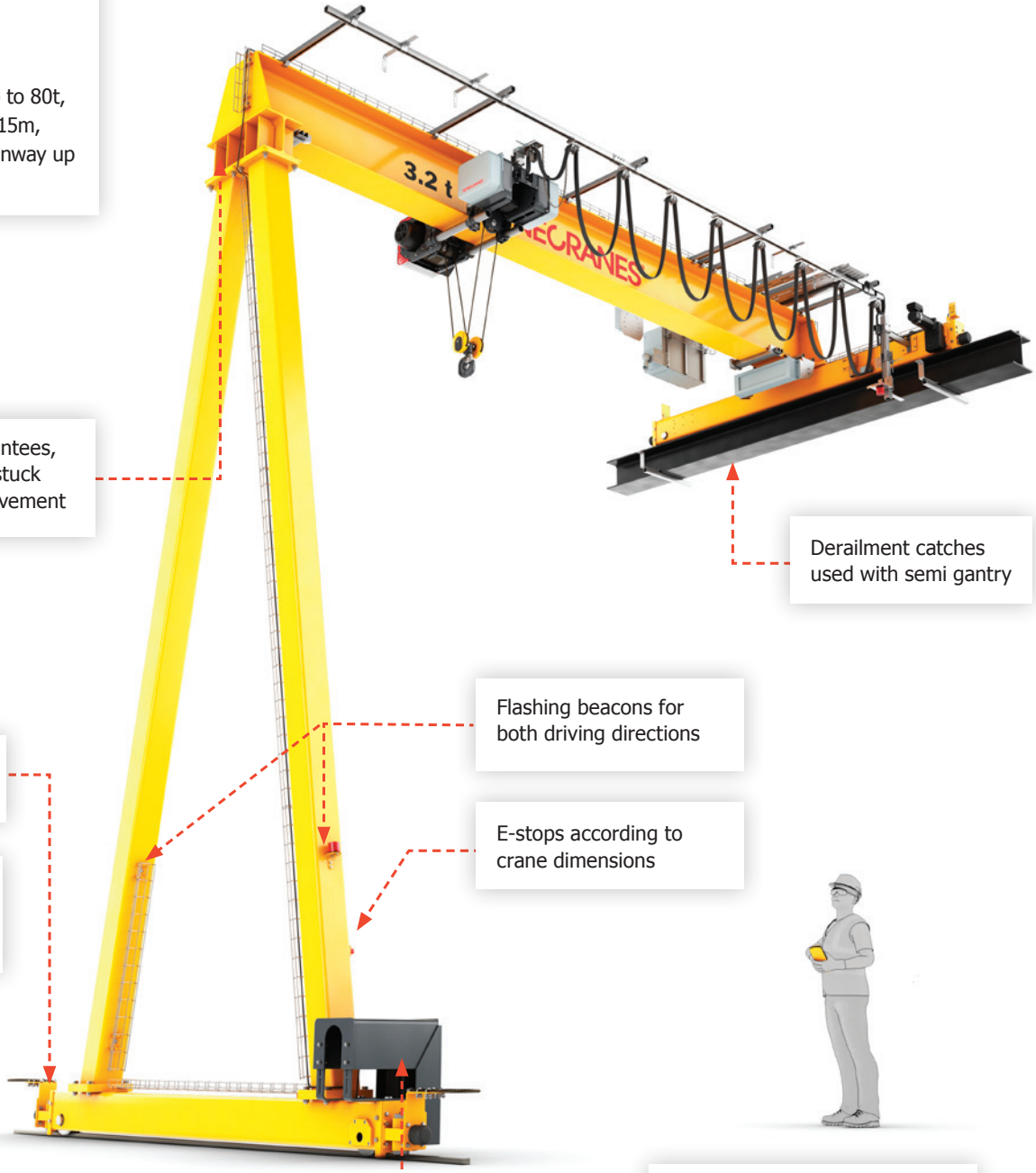
An even better fit



FACTS AT GLANCE

- capacity: up to 30t* in total with 1–2 hoists
- lifting heights: up to 12m*
- span: up to 25m*
- runway: up to 120m*

*By request capacity up to 80t, lifting height up to 10-15m, span up to 30-40m, runway up to 240m



Flexible structure guarantees, that crane doesn't get stuck during the traveling movement

Derailment catches used with semi gantry

Flashing beacons for both driving directions

Safety loops to help avoid collisions

E-stops according to crane dimensions

Rail cleaners to ensure smooth crane movement

Optional compact gantry gear with cover to save space

Single girder semi gantry

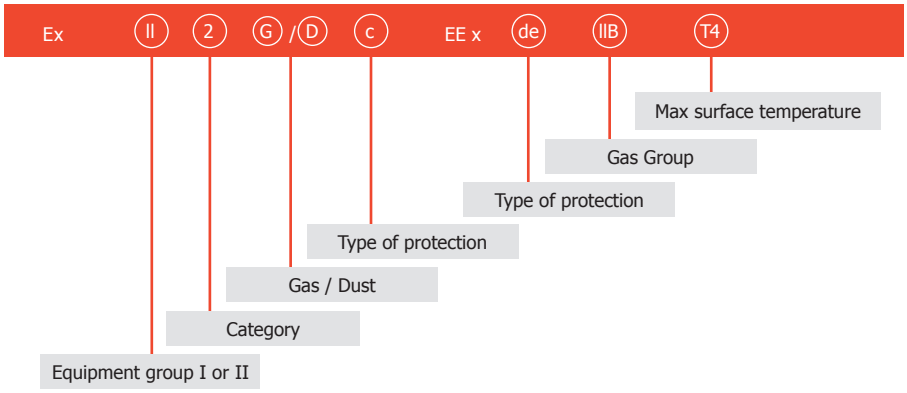
Special Applications

Cranes and hoists for Hazardous environments

Ex optimized and tailored applications with the highest level of safety

We offer a wide range of products for hazardous environments such as chemical and petrochemical plants, oil refineries, gas power plants, waste water treatment plants and paint shops. Wire rope hoists, chain hoists, air balancers, traveling machinery, end carriages, crane controls and other strategic components are designed and manufactured to meet the highest safety level required in hazardous environments.

Product EX marking according to ATEX



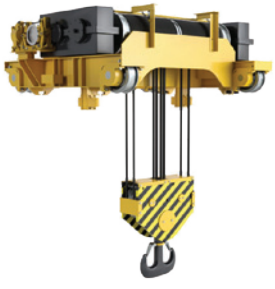


Coker cranes

Konecranes Coker cranes are process-critical equipment in the petrochemical refining process. They handle coke from the point of discharge at the coke drums to intermediate storage in the pit/ pad layout, and on to the crusher/ hopper in preparation for conveyance off-site.

Our Coker cranes are protected against corrosion, heat, dust and moisture. They are also equipped with chemical filters for protection.

Overhead Coker (EOT) cranes:	Spans up to 48 meters Lifting capacity 55 tons
Semi-Gantry Coker (SLG) cranes:	Spans up to 48 meters Lifting capacity 55 tons
Semi-Gantry Coker (SLG) cranes with cantilever:	Spans+cantilevers up to 50 meters. Lifting capacity 55 tons





160 ton

- EXSM Open Winches
- Tailored Cranes
- Coker Cranes

80 ton

- EXCXT Wire Rope Hoists
- EXECT Wire Rope Hoist Cranes

Konecranes products for the following hazardous environments:

Suitability for gas / dust environment			
	Zone 2 / Zone 22	Zone 1 / Zone 21	Zone 0 / Zone 20
EXCXT wire rope hoist crane	✓	✓	X
EXCXT wire rope hoist	✓	✓	X
EXN electric chain hoist crane	✓	✓	X
EXN electric chain hoist	✓	✓	X
EXCLX electric chain hoist	**Zone 22 only**	X	X
EKM2 manual hoist	✓	✓	X
EXXM and EXXA workstation cranes	✓	✓	X
Ex jib crane	✓	✓	X

To find the right solution for each envirionment, we need to know the kind of explosive atmosphere in which you will be using your lifting device.

Certifications

Quality is especially important in hazardous environments, where safety and effciency are key. Multiple certifcations verify the high standard of our products: IECEx for the world, ATEX for Europe, TRCU for Russia, CSA US for the United States and INMETRO for Brazil. All of them are precise and demanding. For example, the ATEX directive gives strict rules for constant production and product quality follow-up. These certifcates confrm that Konecranes follows all necessary regulations.



20 ton

EKM2 Manual products



5 ton

EX Jib Cranes



5 ton

- EXN Electric Chain Hoists
- EXN Chain hoist Cranes



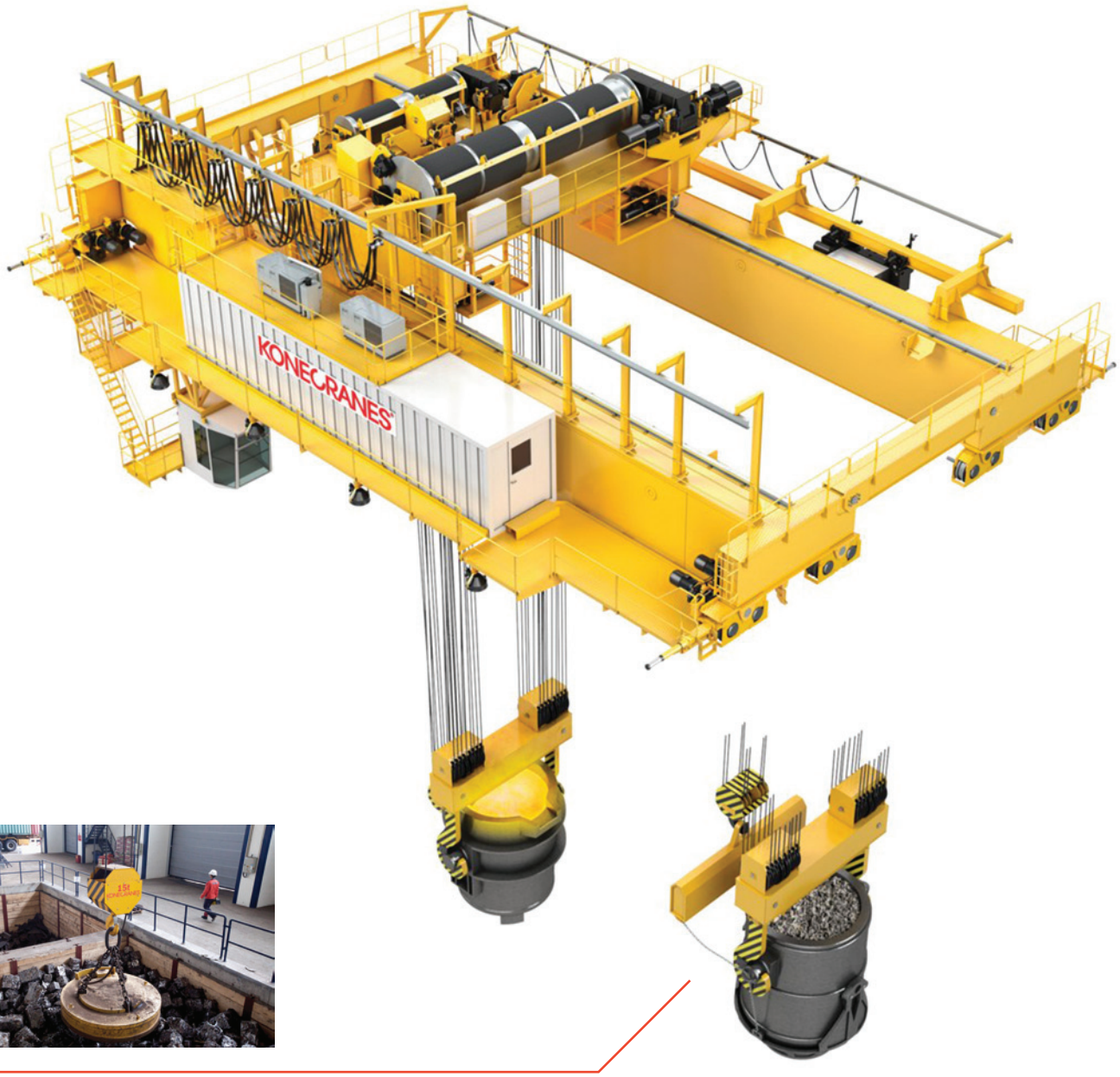
2 ton

EXXA and EXXM Workstation Cranes

Special Applications

Tailored cranes

Custom cranes for every lifting purpose



Steel

Heavy-duty, engineered, tailored cranes for the steel industry are built to provide safe and productive lifting through every process in steel mills.

Built for individual needs

When you need a tailored crane application, we can supply custom lifting equipment that is integrated into your processes. With regular maintenance and upgrades, we make sure the crane fits your long-term lifting requirements.



Automotive

Tailored cranes are used in the stamping line and die handling, especially when four point suspension is required to keep asymmetrical loads horizontal.



Pulp & paper

Konecranes supplies tailored cranes, with either vacuum lifters or mechanical roll grippers, for automatic paper roll storage systems.



Power plants

In hydro power plants, our lifting equipment is used as intake and draft tube gantry cranes. If you need higher capacities, we can build tailored cranes for tandem use, using our standard trolleys.



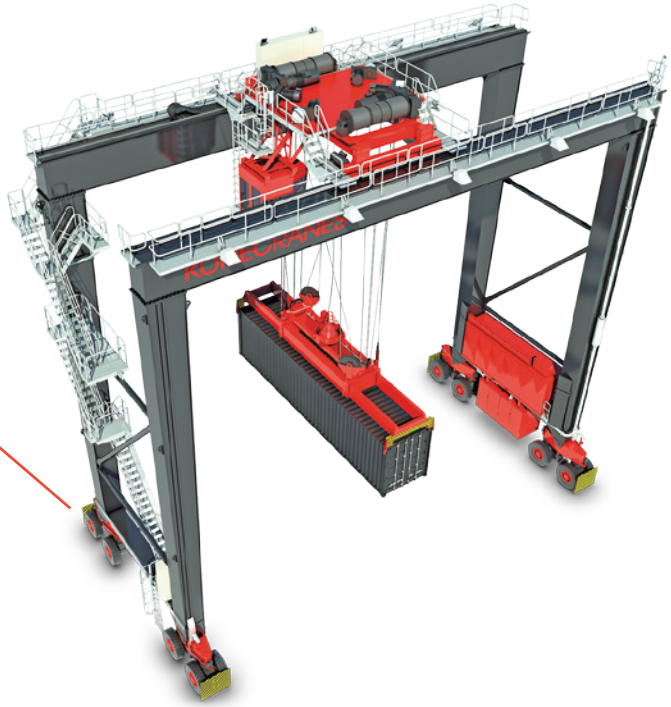
Waste-to-energy

Tailored cranes are used in waste-to-energy plants for stacking, mixing and feeding waste to combustion chambers.

Special Applications

Port cranes

Smarter where it matters



Container handling cranes

Rubber-tired gantry cranes

Greater reliability, reduced downtime and lower maintenance costs with hydraulics-free engineering

- Unique ability to tolerate rough yard surfaces
- Intelligent steel structure and Active Load Control system
- Dimensions: max. 1 over 6 and max. 8+ truck lane. Available with 8 or 16 wheels



Automated stacking cranes

Fast, accurate container stacking with light, intelligent structure, Active Load Control and integrated positioning

- Built to handle yard and rail configurations and work practices
- Automated RMG (ARMG) system, field-proven and reliable
- Automated RTG (ARTG) system, concept adapted from ARMG system



Ship-to-shore cranes

Used for loading and unloading containers from ships

- Outreach of up to 70 m
- Panamax Capacity: 40–50 t, lifting height: 28–32 m Post Panamax Capacity: 50–65 t, lifting height: 32–36 m
- Super Post Panamax Capacity: 50–70 t, lifting height: 36–40 m



Rail-mounted gantry cranes

High performance, reliability, easy and accurate steering, low costs and low energy consumption

- Tailored to specific operations and delivered in different sizes and configurations including zero outreach and outreach from both sides
- Designed to lift all container and trailer types
- Capacity: 50 t under spreader
- Max lifting height: 1 over 6



Boxhunter

The first RTG on the market which allows the operator to sit and work in an ergonomic heads-up position

- Allows the operator to work in a cabin at the truck lane, with direct line-of-sight to the main truck loading and unloading action
- Dimensions: max. 1 over 5, max. 7+ truck lane
- Available with 8 or 16 wheels



Straddle carriers

Konecranes Noell Straddle Carriers are known for their excellent maneuverability, high speed and reliability. They do not need yard infrastructure, so initial investment costs are low. They are available in different sizes, stacking containers 1-over-2 or 1-over-3, ideally suited for step-by-step enlargement of container terminals as required. They are also now available as automated versions.

Bulk handling and shipyard cranes



Plate unloading cranes

Cranes that maximize unloading efficiency when you need to unload steel plates arriving by sea

- Flyweight Capacity 40 t, lifting height 14–19 m, outreach 20–25 m
- Welterweight Capacity 57 t, lifting height 20–25 m, outreach 25–30 m
- Heavyweight Capacity 75 t, lifting height up to 45 m, outreach up to 40 m



Block-handling cranes

Block-handling cranes with bridge, semi-gantry and gantry designs that are built for reliability and accuracy

- CXT Cranes Capacity 1–16 t, lifting height up to 20 m, span 110 m
- SMARTON Capacity 16–250 t, lifting height up to 30 m, span up to 60 m
- Tailored Cranes Capacity 50–350 t, lifting height up to 40 m, span up to 80 m



Single-boom shipyard cranes

Designed for general ship outfitting; small and large shipbuilding and repair

- Flyweight Capacity 22–50 t, lifting height up to 70 m, span down to 6 m
- Welterweight Capacity 50–100 t, lifting height up to 120 m, span down to 8 m
- Heavyweight Capacity 100–350 t, lifting height up to 120 m, span down to 10 m



Plate handling cranes

Tailored to your shipyard for maximum efficiency and safety

- CXT Cranes Capacity 1–16 t, lifting height up to 20 m, span up to 40 m
- Welterweight Capacity 25–80 t, lifting height up to 20 m, span up to 45 m
- Heavyweight Capacity 10–30 t (under magnet), lifting height up to 15 m, span up to 50 m



Floating dock cranes

A special type of single-boom crane for floating dock launches and repairs

- Standard Capacity 10–20 t with an outreach of 20–30 m. Lifting height 25–30 m above rail and 15–25 m below rail.
- Tailored Capacity: up to 60 t with an outreach up to 40 m. Lifting height up to 45 m above rail and up to 30 m below rail.



Double-boom shipyard cranes

Accurate,heavy-duty load handling cranes used in shipyards worldwide

- Flyweight Capacity 22–50 t, lifting height up to 70 m, span down to 6 m
- Welterweight Capacity 50–100 t, lifting height up to 120 m, span down to 8 m
- Heavyweight Capacity 100–250 t, lifting height up to 120 m, span down to 10 m



Goliath gantry cranes

For heavy-duty ship hull assembly at shipyards

- Flyweight Capacity 250–700 t, lifting height up to 90 m, span of 60–230 m
- Welterweight Capacity 700–1200 t, lifting height up to 120 m, span of 50–230 m
- Heavyweight Capacity 1200–2200 t, lifting height up to 120 m, span of 50–230 m

Lift trucks

The strength, performance and reliability of every Konecranes lift truck is based on three core advantages of our technology:

Strong box-type chassis

Four welded steel plates make our box-type chassis the strongest on the market. Compared to a conventional lift truck chassis, it features double torsional stiffness as well as greater strength and lifting capacity with no reductions at high lift heights.

Efficient load-sensing hydraulics

The lift truck provides maximum power only when really needed, consuming less fuel while reducing emissions and noise. Service intervals are longer – from 4,000 hours to 12,000 hours. This contributes to reduced wear and tear on components and lower total cost of ownership.

Intelligent electronic machine control (EMC master)

EMC Master monitors the lift truck's vital components and functions, and can be linked with Konecranes TRUCONNECT remote data monitoring and reporting system. Its settings are programmable to adjust to your needs.

Industry applications


Container Ports & Terminals


Wood, Pulp & Paper


Wind Power


Intermodal & Barge Handling


Steel, Aluminum & Mining


Concrete, Brick & Rock


Automotive


Heavy & General Industry


Oil & Gas


Nuclear Industry


Waste-to-Energy & Biomassy


Customized Solutions

Reach Stackers

10–80 tons

Technical data	Empty container stackers	Laden container stackers	Railroad/barge stackers	Industrial stackers
Lifting & handling	Empty containers	Laden containers	Containers, trailers & bulk	Industrial cargo
Stack density (TEU/hectare)	400–1600	250–750	250–750	
Main features	Versatile & fast	Versatile & fast	Versatile & fast	Versatile & fast
Investment & running costs	Low/low	Low/low	Low/low	Low/low
Lifting capacity min. (1-2-3 row)	10–8–5 tons	41–27–14 tons	41–23–9 tons	10–30 tons
Lifting capacity max. (1-2-3 row)	25–18–8 tons	45–45–45 tons	45–45–45 tons	30–80 tons
Container stacking	3–6 containers	5–6 containers	4–5 containers	8–16 meters



Empty Container Lift Trucks

8–10 tons

Technical data	Small	Medium	Large
Lifting capacity	8 tons	9 tons	10 tons
Stacking height	3–6 containers	4–8 containers	4–8 containers



Laden Container Lift Trucks

33–45 tons

Technical data	Medium	Large
Lifting capacity	33–35 tons	38–45 tons
Stacking height	3–5 containers	3–5 containers

Leaders in lifting

Our mission is to build the hardest-working, longest-lasting heavy-duty lift trucks in the world.
To accomplish this, we pay close attention to quality in every phase of design, production and delivery. We continuously improve our trucks based on customer feedback – how do our customers use our trucks? What advances would improve the safety and productivity of their operations?

Generation c cabin optima

An OPTIMA cabin is customizable for your exact operational needs. You can select mini-wheel steering or lever steering, change the driver's seat type, and choose precisely the instrumentation you require.

A hydraulic sliding cabin (stroke 2900 mm), a vertically movable cabin RHS (stroke 2850 mm) and EMC remote control are also available.



BENEFITS

- Remarkable visibility
- Full monitoring 7" touch screen
- Left armrest mini-steering options
- Ergonomic instrumentation
- Best possible comfort
- Joystick control





Fork Lift Trucks

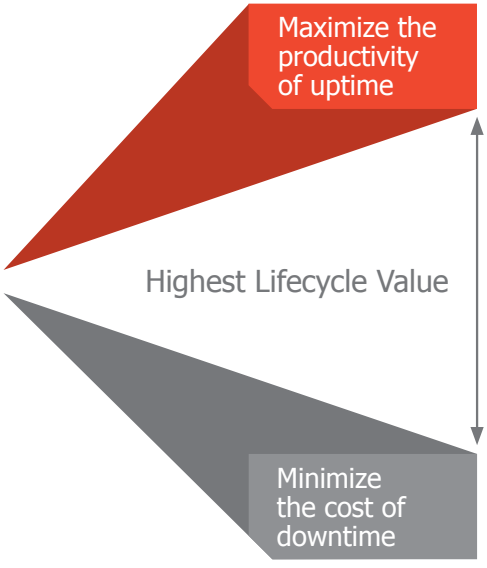
10–65 tons

Technical data	Small	Medium	Large
Lifting capacity	10–18 tons	18–33 tons	37–65 tons
Lifting height	3–12 meters	3–15 meters	4–15 meters



Konecranes Service

We provide specialized maintenance services and spare parts for all types and makes of industrial cranes and hoists – from a single piece of equipment to entire operations. Our objective is to improve the safety and productivity of your operations.



Our approach to maintenance – Lifecycle Care in Real Time – is designed to maximize the productivity of uptime and minimize the cost of downtime, thereby achieving the highest lifecycle value for our customers' equipment.

600 000
Assets under service agreement

7 000
Service employees

4 000
Service technicians

20 000
Remote connections

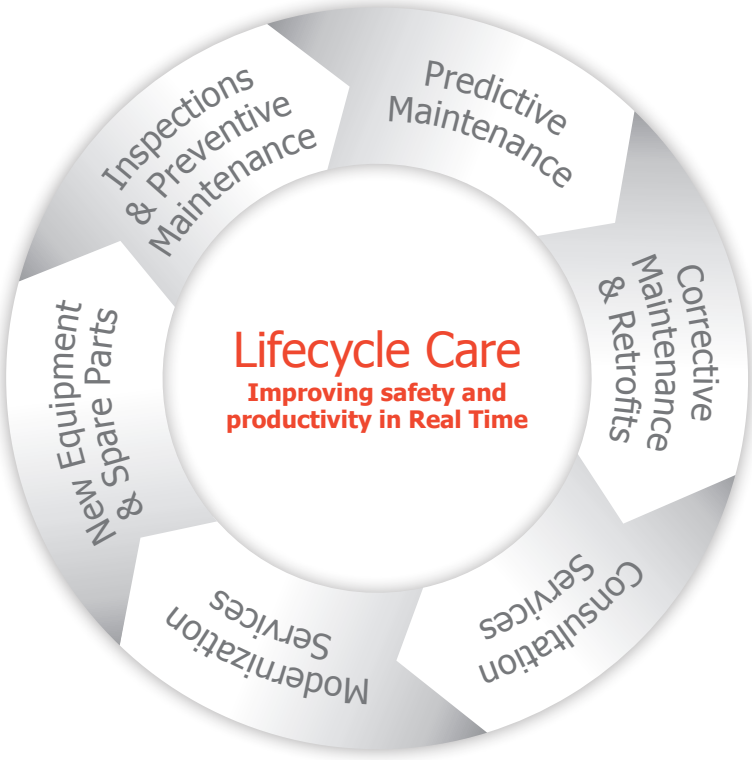
50
Countries

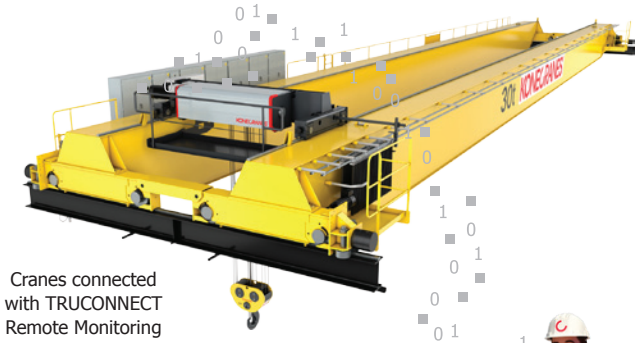


Our approach to maintenance

Lifecycle Care is our comprehensive and systematic approach to maintenance, supported by world-class digital tools and processes. We deliver Lifecycle Care in Real Time by connecting data, machines and people. We use real-time visibility of comprehensive maintenance and usage data combined with our knowledge and experience to deliver safety and productivity improvements to our customers.

Our crane experts apply a systematic Risk and Recommendation Method and a consultative, planning and review process to drive continuous improvement in safety and productivity.





Cranes connected with TRUCONNECT Remote Monitoring



yourKONECRANES.com customer portal



Mobile-enabled inspectors and technicians

Lifecycle Care in Real Time

Inspections and preventive maintenance identify risks and improvement opportunities, and support compliance with regulations and standards.

Predictive maintenance utilizes condition monitoring, advanced inspections and data analytics to predict component or equipment failure.

Corrective maintenance and retrofits address safety and productivity issues and capitalize on improvement opportunities.

Consultation services guide decision making and uncover critical issues, using advanced technology and trained specialists when a deeper look at a crane and its components is required.

Modernization services prolong the economic service life of equipment and achieve increased capacity, speed, duty or load control.

New equipment & spare parts range from simple chain hoists and light crane systems to industrial and process duty cranes plus spare and replacement parts.

CARE Preventive Maintenance Program

The foundation of Lifecycle Care is our CARE Preventive Maintenance Program. This program has been designed to improve equipment safety and productivity through the systematic application of preventive maintenance inspections, compliance inspections where applicable, routine maintenance, and TRUCONNECT® Remote Monitoring.

Service agreement tailored to your equipment and how you use it

We tailor the service agreement to your operations taking into account the equipment, its usage, operating environment, duty class, service history, manufacturer's recommendations and statutory requirements.

Inspections and preventive maintenance make up the core of the CARE program, providing a baseline for maintenance planning, tracking, reporting and consultation. Incorporating predictive maintenance elements as part of a CARE Preventive Maintenance program can further optimize maintenance activities, reduce unplanned downtime and improve equipment safety, productivity and lifecycle value.

Risk and Recommendation Method

Using this method, we assess and prioritize safety risks, production risks and identify undetermined conditions. We also look for improvement opportunities that are not associated with a particular fault. Recommendations are then provided to improve your safety and productivity via our consultative reviews.



Consultative approach

ON-SITE

SAFETY REVIEW

Whenever a safety-related risk is detected, the inspector or technician will carry out this review with you before leaving the site or returning the equipment to operation.

VISIT REVIEW

At the completion of each service request, the inspector or technician will perform this review on site to share the insights of their inspection or maintenance findings, review the identified risks and improvement opportunities, and obtain decisions on recommended actions.

WITHIN 2 BUSINESS DAYS

SERVICE REVIEW

We will follow up with you online or by phone to go through open risk / recommendations and quotations, answer your questions or concerns, and document next steps.



ONCE A YEAR OR AS NEEDED

BUSINESS REVIEW

This review is conducted at your management level and is an in-depth review of our service relationship – looking at progress, feedback and documented value. We'll discuss recommendations and plan jointly.



Other programs in addition to CARE

JUST THE BASICS

CONTACT ON-DEMAND SERVICE

We can respond quickly when you CONTACT us for parts, breakdowns and other short-term needs.

CONDITION INSPECTION PROGRAM

If you are not ready to outsource your preventive maintenance, our CONDITION inspection program can help you comply with your local statutory inspection requirements and/or support your own in-house maintenance actions.



BEYOND PREVENTIVE MAINTENANCE

COMMITMENT MAINTENANCE PROGRAM

For customers that recognize the benefits of broad-scope maintenance outsourcing, our COMMITMENT maintenance program can be tailored to your requirements.

COMPLETE MAINTENANCE & OPERATIONS PROGRAM

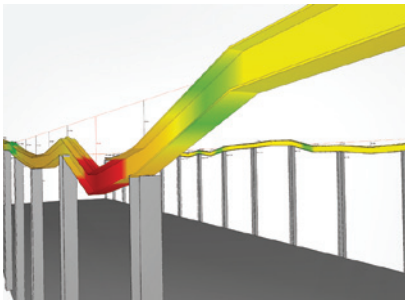
For customers that are looking to outsource their entire material handling process, including operations and maintenance, our COMPLETE maintenance & operations program may be the answer.

Service products



RailQ™ crane runway survey

Konecranes RailQ Runway Survey uses a remotely operated robot combined with a visual inspection to provide you with an in-depth view of the alignment and condition of your crane rail.

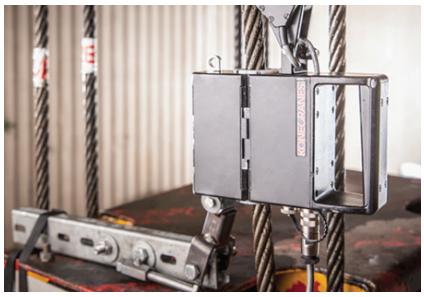


3D visualization of the condition of the rail



CraneQ™ crane geometric survey

CraneQ is based on advanced and traditional measurement methods. Proprietary software and skilled survey technicians provide an extremely accurate geometric analysis of your crane.



RopeQ™ magnetic rope inspection

Konecranes RopeQ technology uses non-destructive testing methods to analyze the condition of the internal wires, strands and wire rope core that are not typically visible.





Critical components assessment

Gear case inspection:

This is an assessment of the internal gear case components that are not typically evaluated during routine inspections.

Coupling inspection:

The coupling is taken apart and cleaned of old grease. The surfaces are then visually inspected.

Hook/Shank inspection:

This includes various proven non-destructive testing techniques such as dye penetrant, magnetic particles and magnetic rubber.

Below-the-Hook inspection:

This is designed to inspect the removable devices attached to your crane hook during operation.



Crane reliability study

The Crane Reliability Study (CRS) is an engineering assessment that studies the current condition of your crane and provides a theoretical estimate of its remaining design life.



Crane operator training

This training is designed for crane operators and supervisory personnel responsible for the daily operation and safe performance of cranes. The training provides knowledge to assist in reducing operator errors that may lead to safety risks or unnecessary downtime.

Oil Analysis

Assists in deciding the optimal oil change timing for hoisting, traveling and traversing gears. Can also provide useful information regarding the condition of internal gear components and trends in oil condition may reveal defects such as slowly accumulated fatigue on gear teeth.



Spare parts

It doesn't matter who made your crane

We are fluent in all crane brands, not just our own. With almost a century of experience working on all types and makes of cranes, we have become the leading overhead crane maintenance supplier in the world.

Crane parts for all makes

As the largest industrial crane supplier in the market, we make it our business to provide parts, not only for our own equipment, but for all competing makes and models of hoists and cranes. It doesn't matter who made your crane – call us for your parts needs.

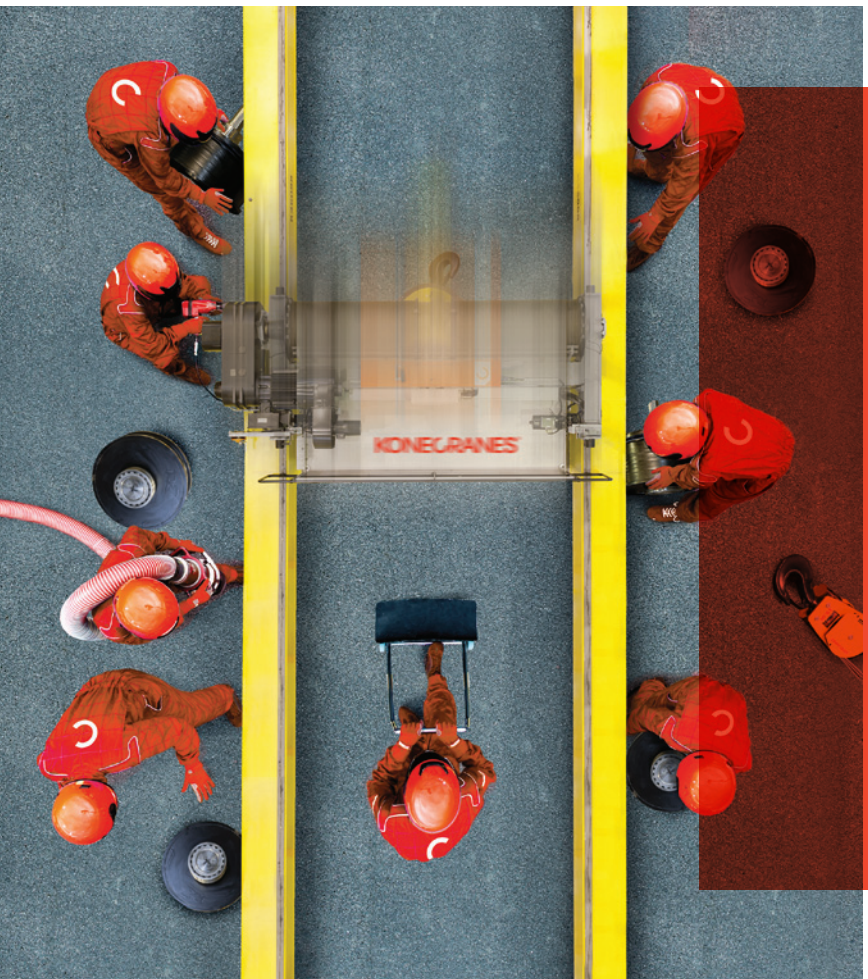
Equivalent parts

Equivalent parts are functionally similar to the original parts yet competitively priced against the market. They may include manufactured, re-engineered or original parts, depending on the best arrangement for you and your crane.

Out of stock doesn't Mean out of luck

Even if we don't have in stock what you need, we can design and manufacture a custom part just for your equipment. With countless OEM drawings in our parts library, we can even fabricate parts for equipment no longer being manufactured.

Engaging the reverse engineering process allows for enhancements to the material, design or manufacturing process that can improve performance and the overall life span of the part. Rebuilt parts offer an alternative that is both cost and time effective.



Spare parts experts

Our experts are ready to research and analyze your requests quickly. Almost 90% of parts inquiries are responded to within 48 hours. For Spare Parts Inquiries:

Australia

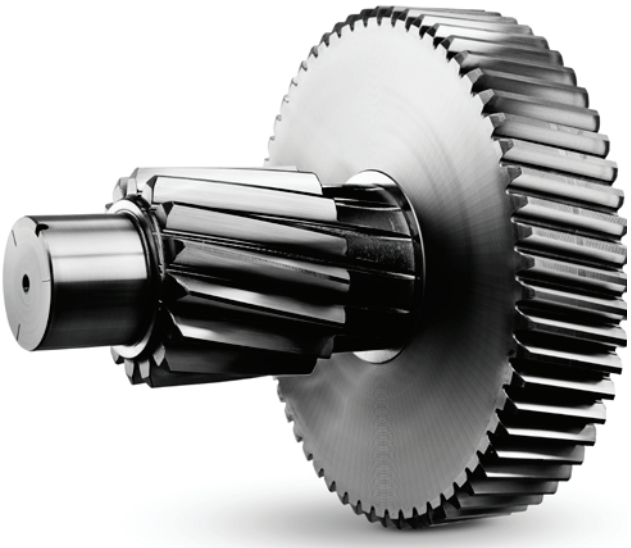
partsaudc@konencreans.com
Tel.: +61 (0) 2 8796 7666

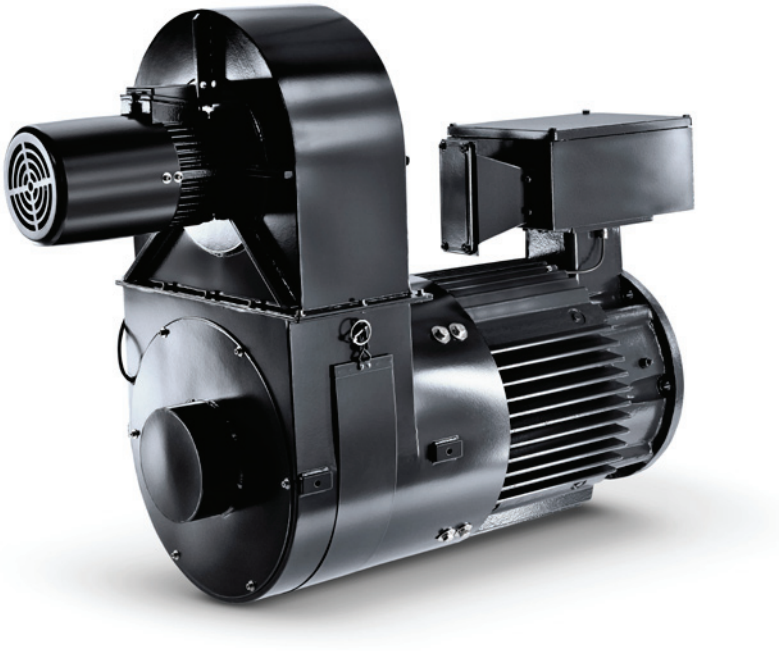
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Southeast Asia

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Konecranes has established several Parts Distribution Centres in Asia Pacific Region to provide full support to our customers with fast turnaround times for queries and orders. Our highly trained team offers assistance in identifying the right parts – not only for all models of Konecranes equipment, but also for crane parts of other makes.

We have a high availability of parts in stock and are also backed up by the Konecranes Central Global Distribution Center in Hyvinkää, Finland. The stock holding has resulted in a significant increase in optimized delivery punctuality. Our team aim to offer a turnaround time, wherever possible, of within 24 hrs, depending on the request.

Minimize downtimes – let us install your spare parts

By choosing Konecranes professionals to do your installation work, you will know that installation is done properly, and your equipment is back in production without unnecessary downtime.

Expedited delivery For all parts

Sometimes your situation might be so critical that you need the spare part faster than normal delivery times would allow. In such cases our VIP expedited delivery services are there to help you.

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 2017, Group sales totaled EUR 3,136 million. The Group has over 16,000 employees at 600 locations in 50 countries. Konecranes shares are listed on the Nasdaq Helsinki (symbol: KCR).

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