

WORKSTATION LIFTING SYSTEMS

# The right lifting solution for every workstation







# Usability, safety and eco-efficiency through innovation

Konecranes is known around the world for its technologically advanced lifting solutions designed for a wide range of industries and environments. In particular, our workstation lifting systems represent the broad scope of our expertise, from hand-held lifting tools to robust hoists with a capacity of 20,000 kg.

Workstation equipment must have a high level of flexibility to be able to adapt to changing production needs and operating environments. Konecranes designs customizable lifting solutions that meet even the most demanding workstation requirements. Innovative design and ergonomic features help to support smooth, safe and efficient lifting, while preventing and minimizing emissions and waste. Operators can rely on their equipment and go home safely at the end of the shift.

Our in-depth knowledge of industrial processes ensures the reliability of our lifting systems as they are integrated into your operations and supported by our global service network of dedicated, experienced and skilled professionals.

We design our products with their complete lifecycle in mind. Ergonomics, safety, eco-efficiency and durability are all top priorities. Our aim is to ensure the comfort and well-being of your operators while maximizing quality, performance and lifecycle value.





# Reliable lifting throughout your process

Konecranes can offer you a wide range of light lifting equipment with the flexibility to fit into your unique operating environment and adjust to your changing tasks and processes.

For example, assembly lines must maintain a constant flow from incoming prefab or raw materials all the way to packaging and shipping. When any interruption to work is a loss in production, reliable lifting equipment will help you to optimize your workflow.



**1 C-series electric chain hoist**  
An ergonomic and efficient lifting partner to support your everyday applications and processes - tough, precise, reliable and designed for over a million operations.



**2 ATB AirBalancer**  
For anywhere you assemble, pack or maneuver by hand, with fast pick and place operations and highly accurate positioning using air pressure for power.



**3 Belt hoist**  
The right choice for electronic, pharmaceutical and food industry applications, or anywhere your workspace must be properly clean and hygienic.



**4 Manual hoists**  
Adapts to any location, including heavy-duty operations such as construction, maintenance and service work where you can't get electricity.



**5 XK-A aluminium workstation crane**  
Applies the strength and low weight of aluminium to your material handling across a wide variety of rail sizes and is a cost-efficient solution for many work areas.



**6 XK-S steel workstation crane**  
A hard, durable and low-maintenance lifting tool that offers you precise and repetitive lifting across long spans and suspension distances.



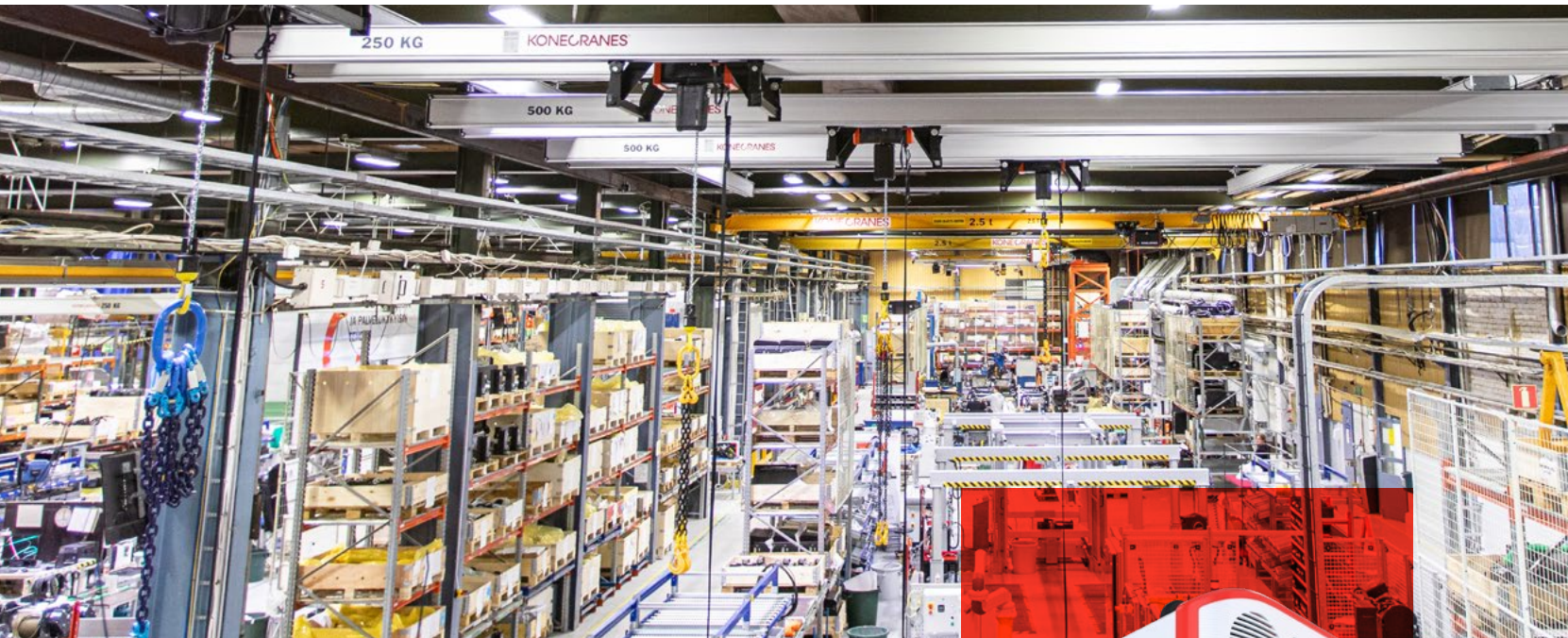
**7 Jib crane**  
With several different attachment options, and a wide range of hoists, they are versatile, durable and suitable for almost any workstation or support function.



**8 Service**  
Industry-leading maintenance services for all types and makes of industrial cranes and hoists, intended to improve the safety, productivity and sustainability of your operations.







## C-series electric chain hoist

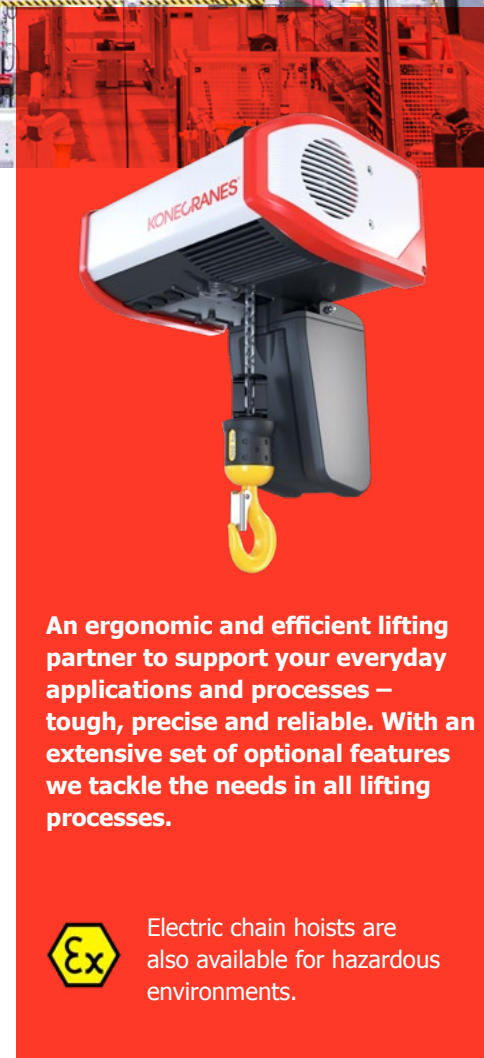
Easy to operate, the C-series hoist boosts the productivity of your factory with the ultimate in performance, safety, long-term reliability and minimal scheduled maintenance. Take advantage of our electric chain hoist portfolio that is wider than ever.

### Outstanding performance at every level

- Lifting capacity up to 5,000 kg
- Lifetime lubricated precision gears
- High-quality motor purpose-built for hoisting
- Optimized chain drive reduces friction for smooth movement and long-term use
- Easy-access maintenance to all wearing components
- Simple and versatile bracket for varied suspension as well as easy and safe installation

### Even standard features enhance safety and reliability

- Self-adjusting brake with own load path requires little maintenance
- Fan cooling and overheating protection integrated in the motor
- Durable limit switches prevent overextended lifts, and its internal design protects it from damage
- Slipping clutch prevents hoist overload and is easy to adjust



**An ergonomic and efficient lifting partner to support your everyday applications and processes – tough, precise and reliable. With an extensive set of optional features we tackle the needs in all lifting processes.**



Electric chain hoists are also available for hazardous environments.

## Even more features with inverter control

Based on the advanced C-series technology, a hoist with a lifting inverter brings your material handling to the highest levels of efficiency and safety. Inverters are the perfect choice for the most demanding applications, all the way up to 2,500 kg.

### Accuracy and speed whenever you need it

- Stepless hoisting speeds help in precise assembly work and sensitive parts handling
- Extended Speed Range allows faster speeds and better process efficiency with lighter loads or an empty hook

### Safety in all your lifting processes

- Slack chain control and shock load prevention ensure smooth lifting movements while protecting products, equipment and people
- Programmable limits increase safety, optimize lifting range and speed up cycle times
- Built-in supervisory functions working with appropriate sensors make braking and overload prevention extremely reliable







# ATB AirBalancer

Pneumatic power will make your production efficient, silent and clean. Combine with our workstation cranes and jib cranes, or use alone for an environmentally sound solution to workstation efficiency.

### Improved productivity and shorter cycles

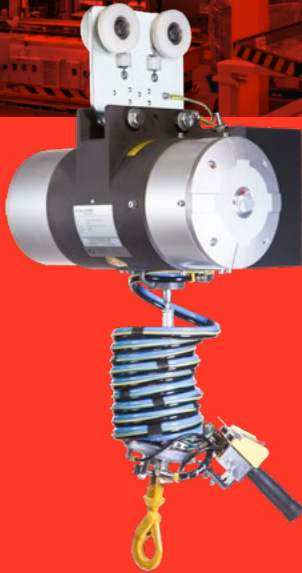
- Lifting capacity up to 350 kg
- Load weight compensation as standard
- 100% duty cycles for efficient production operations
- Very short cycles with adjustable speeds up to 1.5 m/s

### Loads feel almost weightless

- Great for assembling, packing and maneuvering by hand
- Centrifugal safety brake prevents uncontrolled motion
- Wear-free overload protection
- Ergonomic 3-dimensional load movement alternatives
- Highly configurable controls to match your process needs

### Optional features

- Baseload functionality keeps air pressure level safe during complete work cycles
- Load limiter stops too heavy loads from being lifted and prevents unexpected dangerous motion if load gets stuck during lifting
- Proportional pushbutton control for precise positioning
- Proportional in-line handle for buttonless positioning
- Balancing control for predefined load weights
- Automatic load detection for varying load weights
- Interlock function to prevent the release of the lifted load



**For anywhere you assemble, pack or maneuver by hand, with fast pick and place operations and highly accurate positioning using air pressure for power.**

# Belt hoist

When hygiene is essential, choose this lubrication-free and dust-resistant hoist for your facility. With easy installation, use and maintenance, it offers you the precision and safety crucial for clean environments.

### Compact and easy to use

- Capacity up to 2,000 kg
- Low headroom design and small hook approach maximize available working space
- Wide speed range for both accurate slow motions and high speed for process efficiency
- Intuitive pendant for ergonomic load handling
- Quick installation

### Carefully designed for safety

- Polyester belt resistant to acids, bases, mineral salts, solvents and oil
- High-strength polyamide pulleys
- IP55 water and dust shielding
- Motor overheating protection
- Electrically isolated steel or stainless steel hook block

### Easy to maintain

- No lubrication required
- Electromagnetic, self-adjusting brake requires very little service
- Simple design speeds up servicing and minimizes downtime



**The right choice for electronic, pharmaceutical and food industry applications, or anywhere your workspace must be properly clean and hygienic.**





# Manual hoists

When it's difficult or impossible to access electricity, add a KM2 hand chain block or KL lever puller to you operations for ergonomic, safe and reliable lifting.

## Both manual hoists are packed with features


- Grade 80 galvanized steel load chain with zinc flake coating for corrosion resistance
- Smooth and efficient operations with machined chain sprocket and gears
- Steel gear case and hand wheel cover sustains demanding use
- Steel alloy, heat-treated ISO hooks with latches and inspection points
- Dual pawl Weston-style brake with 2 friction discs, 4 braking surfaces, enclosed to protect against dirt
- Overload limiter for added safety

## Specific to the KM2


- Lifting capacity up to 20,000 kg
- Stainless steel chains and hook optionally available
- Easy serviceability through bolted hook blocks

## Specific to the KL

- Capacity up to 3,000 kg
- Compact and lightweight – ideal for construction, maintenance and service
- 360° handle rotation and rubber grip
- Lifting mechanism can be released when unloaded
- Open chain path for simple inspection and cleaning



**Adapts to any location, including heavy-duty operations such as construction, maintenance and service work where you can't get electricity.**



Manual hoists are also available for hazardous environments.

# Manually operated trolleys


The manual trolleys offer safe, flexible and reliable load handling without using electricity.

## Features for smooth manual travel


- Capacity up to 10,000 kg (push) and 20,000 kg (chain drive)
- Normal headroom manual trolleys are designed for both manual and electric top hook hoists
- Low headroom trolleys are hand chain driven only, and always with integrated manual hoist
- I-beam mounting with a wide range of flange widths up to 310 mm
- Machined steel wheels and sealed, maintenance-free ball bearings ensure level motion

## Long-lasting and safe

- High-resistance steel side plates painted dark gray RAL7021 to match corrosion category C3
- Galvanized hand chain
- Integrated safety drop lugs and rubber bumpers



**In some applications, it makes sense to work without electric drives. So we offer a selection of manual trolleys for manual or electric top hook hoists. You can push them or make them roll with the help of a chain drive.**



Manual trolleys are also available for hazardous environments.





# XK-S steel workstation crane

This robust and strong steel crane is designed for heavy-duty operations at any production line that needs long spans and suspension distances. Combine it with electric or manual hoists or pneumatic lifting devices for versatile workstation lifting. Make the complete system in steel or mix it with aluminum runways and bridges.

### Strength of steel

- Lifting capacity up to 2,000 kg
- Long suspension distances minimize steel structures and costs
- Weld-free modular system is easy to install, modify and extend

### Safe and ergonomic

- Maximized working area below the crane with optimized headroom solutions
- Optimized trolleys and other components with a unique hollow profile allow smooth and silent running
- Longer lifetime due to dust and dirt protection
- Minimal maintenance required

### Optional features

- Different system configurations:
  - single and double girder bridges with articulated or rigid movement
  - manual or motorized operation
  - straight and curved monorails with electrical and manual turntables
  - freestanding structures
  - telescopic cranes
  - installations for manipulator handling
- Service hatch for easy trolley inspection and maintenance
- Energy supply via festoon or integrated conductor lines or energy chain



**A hard, durable and low-maintenance lifting tool that offers you precise and repetitive lifting across long spans and suspension distances.**



# XK-A aluminum workstation crane

This light and durable aluminum crane is designed to satisfy the exacting requirements in many workstations and production lines. Combine it with electric or manual hoists or pneumatic lifting devices for versatile workstation lifting.

### Light and versatile

- Lifting capacity up to 2,000 kg
- Lighter than steel by up to 50%
- High-quality profiles and joint connections allow smooth running for trolleys and bridges
- Quick installation
- Modular system is quick to install and extend

### Safe and ergonomic

- High structural stiffness and minimized deadweight
- Lightweight with low rolling resistance
- Anodized aluminum surface optimal for clean environments
- Lifetime protection against corrosion
- Minimal maintenance required

### Optional features

- Different system configurations:
  - single and double-girder bridges with articulated and rigid connection
  - manual or motorized operation
  - monorails with straight profiles
  - freestanding structures
  - telescopic cranes
  - installations for manipulator handling
  - optimized headroom solutions
- Service hatch for easy trolley inspection and maintenance
- Energy supply via festoon solutions or integrated conductor lines or energy chain



**Applies the strength and low weight of aluminium to your material handling across a wide variety of rail types and is a cost-efficient solution for many work areas.**





# Jib crane

Jib cranes are suitable for almost any kind of workstation, from small workshops to large factory assembly lines, storage areas and loading bays. They are an integral part of any plant process where speed and accuracy are required.

### Adjustable to your facility

- Lifting capacity up to 2,000 kg
- Flexible slewing angles (pillar-mounted 300 °, wall-mounted 270 °)
- Easy installation and relocation reduces downtime
- Multiple hoist options – electric, manual, pneumatic
- Pendant or radio control
- Smooth running with push and motorized trolleys
- Slewing limiter allows rotation adjustment every 2°
- Manual slewing motion available for all jib crane types and motorized slewing for jibs with I-beam arms

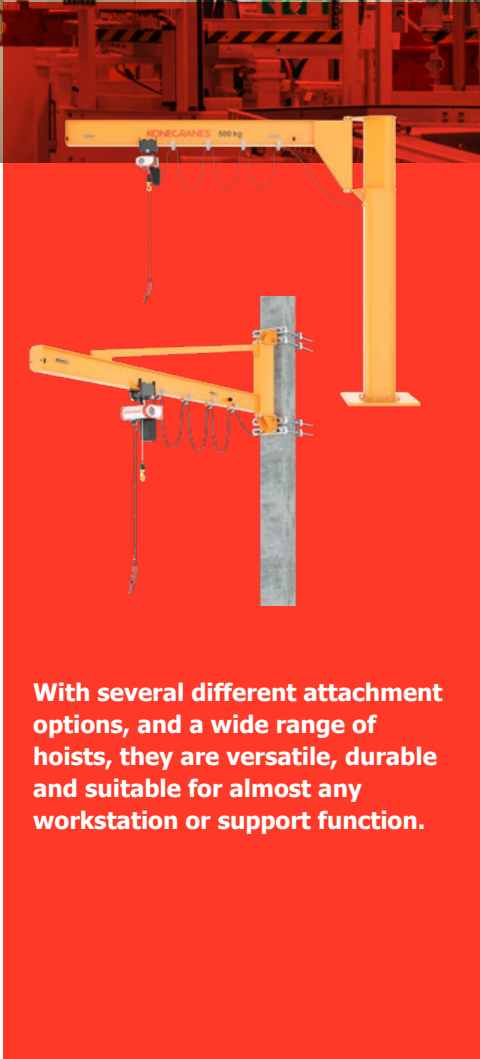
### Secure and safe mounting

- Main switch comes as a standard for pillar jibs and as an option for wall jibs
- Multiple pillar jib anchoring options:
  - cast-in anchor set integrates pillar into foundation of new floor

- base plate with chemical anchors for existing concrete floors
- Multiple wall jib crane mounting options:
  - wall bracket attaches jib directly to wall
  - bracket clamp attaches jib to pillar

### Jib arm features

- Lightweight XK-S steel profile
  - efficient and ergonomic option due to low weight of profile and low friction wheels in hoist trolleys
  - reduced stress on building structures
  - excellent hook approach dimensions
  - flat cable power supply
  - manual trolley movement
- Robust I-beam profile
  - durable solution combined with festoon cabling
  - manual or motorized trolley movement
  - low-headroom design available for maximized working space below the hook



With several different attachment options, and a wide range of hoists, they are versatile, durable and suitable for almost any workstation or support function.

# Service tailored to your needs

### Improving your safety and performance

Your Workstation Lifting Systems will continue to give you its best performance with regular service and maintenance. All of our service solutions are intended to help you build the productivity of your business. We work with you to minimize the total cost of ownership as you boost the efficiency, reliability and operational safety.

### The industry's leading service network

Konecranes is committed to excellent, proactive and real-time service. With over 600 service locations in almost 50 countries, we have the largest service network in the industry. A global operation with a local touch, our skilled people represent the highest level of competence so you know that your equipment is always in good hands. As our equipment evolves, our service continues to develop through research, training and technological advances.



Industry-leading maintenance services for all types and makes of industrial cranes and hoists, intended to improve the safety, productivity and sustainability of your operations.







**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 2020, Group sales totaled EUR 3.2 billion. The Group has around 16,500 employees in 50 countries. Konecranes shares are listed on the Nasdaq Helsinki (symbol: KCR).**

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