The ultimate user experience

For dynamic material handling and high-frequency use

Konecranes workstation lifting systems are designed to meet the demanding requirements of workstations and production lines that need to lift up to 3,200 kg.

The Konecranes KBK aluminum system is extremely light and durable, while the Konecranes KBK steel profiles are strong and robust.

Options for different lifting needs
Our workstation lifting systems have a wide range of configurations. Use them free-standing or mounted to the building structure, with single- or double-girder bridges, or even on a monorail. If your production requirements or layout changes, the modular design of the Konecranes KBK system gives you the flexibility to easily adjust the crane at minimal cost.

User experience drives safety and efficiency
The safest crane gives operators complete control of the load. Our workstation lifting systems are made from high quality components working together to produce an ergonomic operating environment with smooth traveling and minimal noise. Without distractions, a comfortable operator can concentrate on load control.

When loads and spans are small, it sometimes makes sense to move the crane horizontally by hand. To help the operator with this task, our workstation lifting systems use lightweight components with low rolling resistance and smooth motion. An articulated crane bridge allows the load to be moved with much less physical force, regardless of its starting position.

When loads and spans are larger or within a complex system, our workstation lifting systems utilize electric power. This helps prevent operator fatigue and improves safety in the work environment.

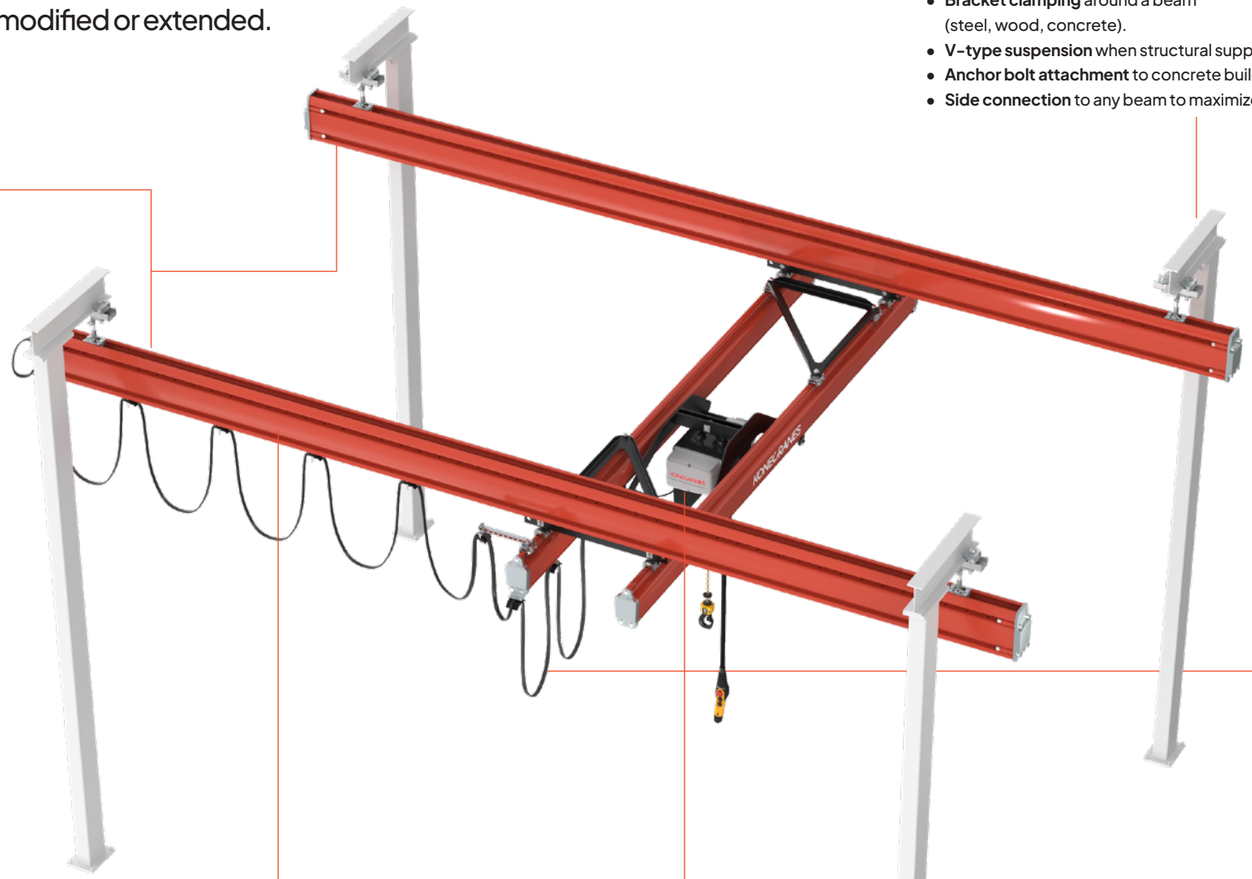
Konecranes KBK steel workstation lifting system with a Konecranes D-series electric chain hoist.

Guiding design principles

Our workstation lifting systems are designed according to EN standards. We design them for compliance with local safety regulations and standards, low-maintenance requirements, and quick and easy erection. The modular design can also be altered or expanded whenever your lifting requirements change.

Basic elements

The basic construction kit for the Konecranes KBK consists of simple, well-engineered components. Standardized dimensions allow for rapid erection and existing installations can be easily modified or extended.



01 CRANE RUNWAYS AND BRIDGES

Konecranes KBK steel profiles are made of cold rolled steel with a smooth surface finish for easy bridge trolley travel as well as dust and dirt protection. A durable profile, it has a long lifetime with minimal maintenance requirements. Its strength allows long suspension distances and span lengths.

Konecranes KBK aluminum profiles are extruded into unique shapes making them highly rigid with a low deadweight. Its anodized aluminum surface is ideal for clean environments. Aluminum is up to 50% lighter than steel which helps reduce rolling resistance and makes manual operation almost effortless.

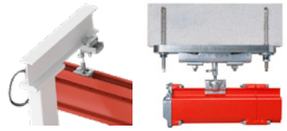
02 HOIST AND BRIDGE TROLLEYS

Production lines often have limited space available, but the **compact design** of Konecranes KBK trolleys and bridges helps you maximize your working area. The double girder trolley lies between the girder so the hook can be lifted for **flexible headroom** under the crane.

Konecranes KBK workstation lifting systems offer the right load bearing and **durable, high-quality components**. The trolley moves smoothly and quietly along its track and requires minimal maintenance throughout its lifetime.

03 RUNWAY SUSPENSION

Runways can be attached to ceiling supports such as concrete pillars or steel beams near the wall. If these are not available, the Konecranes KBK can be assembled around a free-standing steel structure. This flexibility allows installation in almost any work setting.



The most common way to suspend a workstation lifting system is to clamp it to an I-beam. Other methods include:

- **Bracket clamping** around a beam (steel, wood, concrete).
- **V-type suspension** when structural supports are not directly above the runway track.
- **Anchor bolt attachment** to concrete building structure.
- **Side connection** to any beam to maximize the working area.

04 POWER SUPPLY

The Konecranes KBK workstation lifting system has a number of power supply options. To decide which solution is right for you, consider the cost, structure and purpose of the crane as well as available working space.

A **festoon** is the simplest and most economical way to provide hoists and motorized travel trolleys with electricity.

An **internal busbar** is a modern power supply method that uses copper conductors integrated into the crane profile. Power comes through the end of the runway or through line power feeds at key points. The busbar helps maximize safety, usability and the available working area.

An **energy chain** combines the flexibility of the festoon with the space saving of the busbar. The energy supply and control cables are inside a light, strong and modular plastic chain with easy maintenance access.

05 ERGONOMIC CONTROLLERS FOR SAFER OPERATIONS

Konecranes KBK workstation lifting systems are controlled from a distance with a portable radio control or with a pendant controller hanging from the crane structure. The intuitive, ergonomic design of both types of controls maximizes safety and load control.

Multiple standard options for different lifting needs

Monorail system

Monorails are the simplest type of workstation lifting system. The hoist moves horizontally along a single track.

- Load capacity up to 2500kg with steel profiles and up to 2000kg with aluminum profiles
- Straight track available for both the Konecranes KBK aluminum and Konecranes KBK steel, curved tracks only with the Konecranes KBK steel
- Manual or motorized operation

Single-girder crane

A single girder is simple and light in structure but steady and durable in operation. These cranes are especially suitable for manual control with small span lengths.

- Load capacity up to 2,000kg
- Maximized hook approach due to compact size
- Weight-optimized crane bridge and smooth running with low friction wheels
- Manual or motorized operation

Double-girder crane

Double girders offer an alternative to monorails and single girder cranes with larger capacities and longer span lengths. Due to bridge and trolley geometry, longer hook paths are standard in these cranes.

- Load capacity up to 3,200kg
- Flexible capacity and span selection
- Maximized hook path
- Manual or motorized operation

PERFORMANCE DATA

Single-girder cranes

PROFILE SIZE	100	I	II–L	II	II–H	A12	A16	A18	A22	A28
LOAD CAPACITY [KG]	GIRDER LENGTH (M) STEEL					GIRDER LENGTH (M) ALUMINUM				
80	3	6	8	8		5	8	8	8	8
125	3	5	8	8	14	4	6	8	8	8
250		3	7	8	13	2	4	7	8	8
500		2	4	7	11	2	3	4	6	8
1000			2	4	7			3	4	6
1600					6				3	5
2000					5				3	5

Double-girder cranes

PROFILE SIZE	100	I	II–L	II	II–H	III	A12	A16	A18	A22	A28
LOAD CAPACITY [KG]	GIRDER LENGTH (M) STEEL						GIRDER LENGTH (M) ALUMINUM				
80	5	9	10	12	14		7	8	8	8	8
250		6	10	12	14		5	8	8	8	8
500		4	7	11	14		3	4	8	6	8
1000			5	7	12				5	6	8
1600				5	9	10				5	8
2000				4	7	8				4	7
2500						7					
3200						6					

NEW ALUMINUM PROFILE

The A28 aluminum profile enables larger crane spans and bridge lengths with higher rated capacities than ever before. It also allows for larger suspension distances when used as a crane runway.

ADDITIONAL TECHNICAL DETAILS

- Lifting classification H1 B3
- Ambient temperature is defined by electrical components and thus typically limited to a range from -20°C to +40°C (+50°C)
- Standard corrosion category min. C2–M, higher classes available

Beyond the standard range

Extending cranes

Sometimes your production process needs more flexibility than what the normal crane span between runways can provide. Konecranes offers you bridge solutions that extend beyond the runways. This widens the operating space of the crane with a bridge extension.

Low headroom cranes

Standard Konecranes workstation lifting systems are designed to be as compact as possible to maximize your working area with optimal approach dimensions. When the building structure limits available space, a raised girder solution will give you the critical extra height you need for your operation.

Versatile track systems

Your production process might require a more intricate combination of straight and curved track sections, track switches, turn tables and latching devices. Konecranes can offer you a crane structure optimized to your specific needs.

Hoists that lift your game

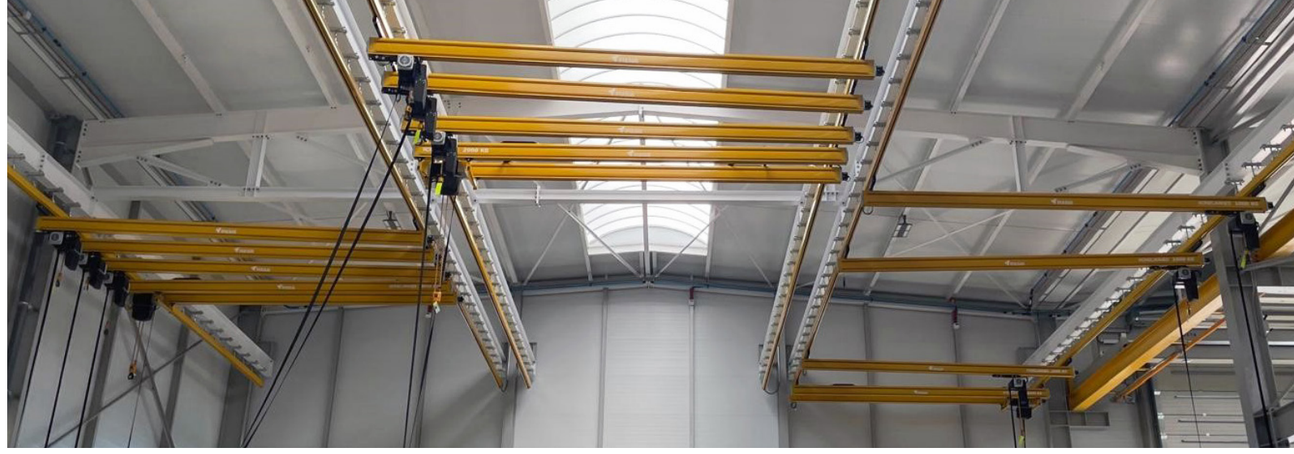
The **Konecranes D-series** is your reliable lifting partner from occasional maintenance use to fast-paced assembly use in multiple shifts or demanding process applications. It has as standard a comprehensive set of advanced features providing excellent value in a compact size.

The **Konecranes C-series** is an ergonomic and efficient lifting partner to support your everyday processes. With flexible speed options, it's tough, precise, reliable and designed for more than a million operations.

The **belt hoist** is right choice for electronic, pharmaceutical and food industry applications, environments with abrasive dust, powder or flour, or anywhere your workspace must be properly hygienic.

Manual products can easily adapt to any location, including heavy-duty operations such as construction, maintenance and service work where electricity is not available.

Learn more about Konecranes hoists:
konecranes.com/equipment



Konecranes KBK workstation lifting system a great fit for a wide range of applications

Automotive

The Konecranes KBK workstation lifting system is a good choice for demanding automotive applications. You can choose from a variety of lifting devices to create an ergonomic and efficient workstation.

A Konecranes KBK system equipped with a Konecranes D-series chain hoist offers you precision speed control and easy load handling making it perfect for assembly operations.

Food and pharmaceuticals

Producing food and medicine means adhering to strict safety and sanitation requirements. The anodized aluminum surface of the light and durable Konecranes KBK aluminum system is ideal for clean environments and when production lines have limited space available, the compact design of the Konecranes KBK trolleys and bridges helps you maximize your working area.

The Konecranes belt hoist is a good choice for clean applications because it features a white Dyneema(R) belt that does not require lubricants, so you don't have to worry about contaminants getting into your product.

General manufacturing

Manufacturing facilities must maintain a constant flow of materials, from incoming prefab or raw process ingredients—all the way to packaging and shipping.

When any interruption is a production loss, Konecranes KBK workstation lifting systems can help keep your work flow running with minimal delays and maximum output.

Every facility is different and the Konecranes KBK system can be designed to fit your specific application. If your production requirements or layout changes, the modular design of the Konecranes KBK system gives you the flexibility to easily adjust the crane at minimal cost.

Maintenance cranes

Cranes and hoists used in maintenance activities may only be used occasionally but they still play a big role in maintaining a safe working environment. With protection against dust, chemical and moisture exposure, Konecranes KBK workstation lifting systems using Konecranes D-series hoists offer durability in challenging process environments in industries such as metals production, power, paper and forest, and waste to energy and biomass.

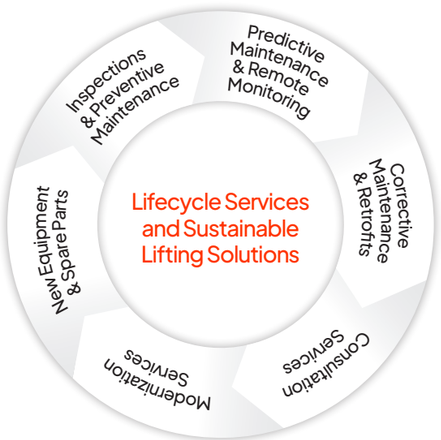
Maximize crane reliability and performance

An active service program is vital for the safety and productivity of your workstation cranes

Regular inspections and preventive maintenance help identify risks and opportunities for improvement while supporting compliance with safety regulations.

Service programs tailored to your operations
Preventive maintenance conducted at regularly scheduled intervals can often be the most effective way to maintain and potentially extend the lifespan of your cranes. Konecranes experts can help you build a service program—from basic inspections to a comprehensive maintenance program—tailored to your operations.

Our service programs come with access to the Konecranes Portal. The portal provides you with a quick overview of maintenance activities, open safety and production risks, a fleet view of your assets, and a record of your service reports.



Why choose Konecranes as your crane service provider?
We have the largest and most extensive service network in the industry, servicing hundreds of thousands of assets each year of all different makes and models. You get the advantage of local inspectors and technicians with access to a wealth of knowledge from around the globe.

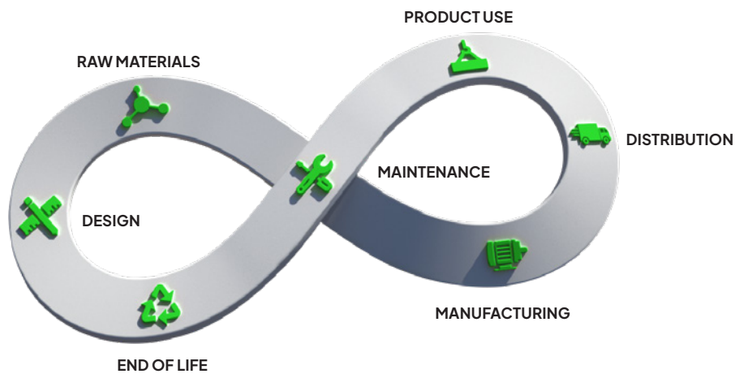
We take a comprehensive, systematic and collaborative approach to managing your assets throughout their lifecycle. We take time to meet with you one-on-one to share our findings, provide recommendations based on our industry-leading expertise and discuss how each action impacts your operations and the entire health of your business.

Learn more about Konecranes Service:
konecranes.com/service

Sustainability at every stage of the crane's lifecycle

We are committed to providing sustainable solutions and services while preventing and minimizing emissions and waste.

Lifecycle thinking combined with usability, eco-efficiency and safety guide us in our product design. Our aim is to maximize the lifecycle value of our products.



Learn more about sustainability at Konecranes:
konecranes.com/about/sustainability

Konecranes is a global leader in material handling solutions, serving a broad range of customers across multiple industries. We consistently set the industry benchmark, from everyday improvements to the breakthroughs at moments that matter most, because we know we can always find a safer, more productive and sustainable way. That's why, with around 16,500 professionals in over 50 countries, Konecranes is trusted every day to lift, handle and move what the world needs. In 2025 Group sales totalled EUR 4.2 billion. Konecranes shares are listed on Nasdaq Helsinki (symbol: KCR).

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