

TERMINAL SERVER

DEFINING YARD EFFICIENCY

KOCKS





→ **INFO**

A consistent and reliable crane – an economic solution for all types of yards and terminals:

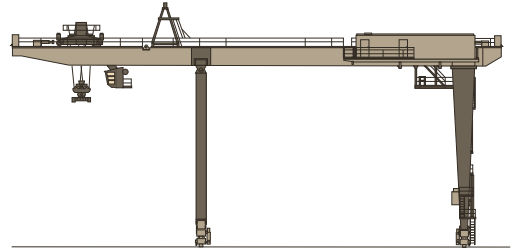
- Zero emission with advanced energy recovery systems
- High operating speed
- High handling capacity
- Pin-point positioning accuracy
- Automation interface
- High availability
- Long service life
- Low life-time cost
- Low dead weight
- Low maintenance

↑
The robust box girder design is perfectly suited to the Terminal Server's mode of operation

THE CRANE CONCEPTS

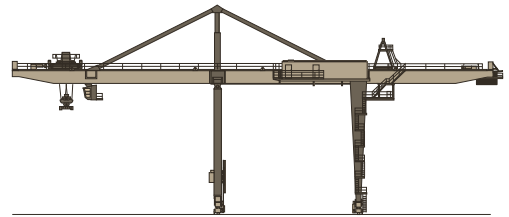
STANDARD*

→ Track	Up to 147 ft	Up to 45 m
→ Cantilever Arm	Up to 39 ft	Up to 12 m
→ Cantilever Arm II	Up to 39 ft	Up to 12 m
→ Hoisting/Lowering	Up to 147/295 ft/min	Up to 45/90 m/min
→ Trolley Travelling	Up to 590 ft/min	Up to 180 m/min
→ Crane Travelling	Up to 524 ft/min	Up to 160 m/min
→ Lifting Capacity	Up to 66 US t under spreader	Up to 60 t under spreader
→ Lifting Heights	Up to 65 ft	Up to 20 m
→ Slewing	Up to 2 rpm	Up to 2 rpm
→ Applications	Container/Bulk/ Project cargo/	Container/Bulk/ Project cargo/



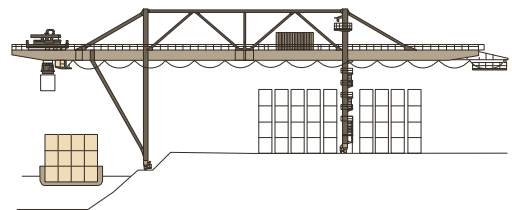
ONE-SIDED SPANNING*

→ Track	Up to 147 ft	Up to 45 m
→ Cantilever Arm	Up to 65 ft	Up to 20 m
→ Cantilever Arm II	Up to 39 ft	Up to 12 m
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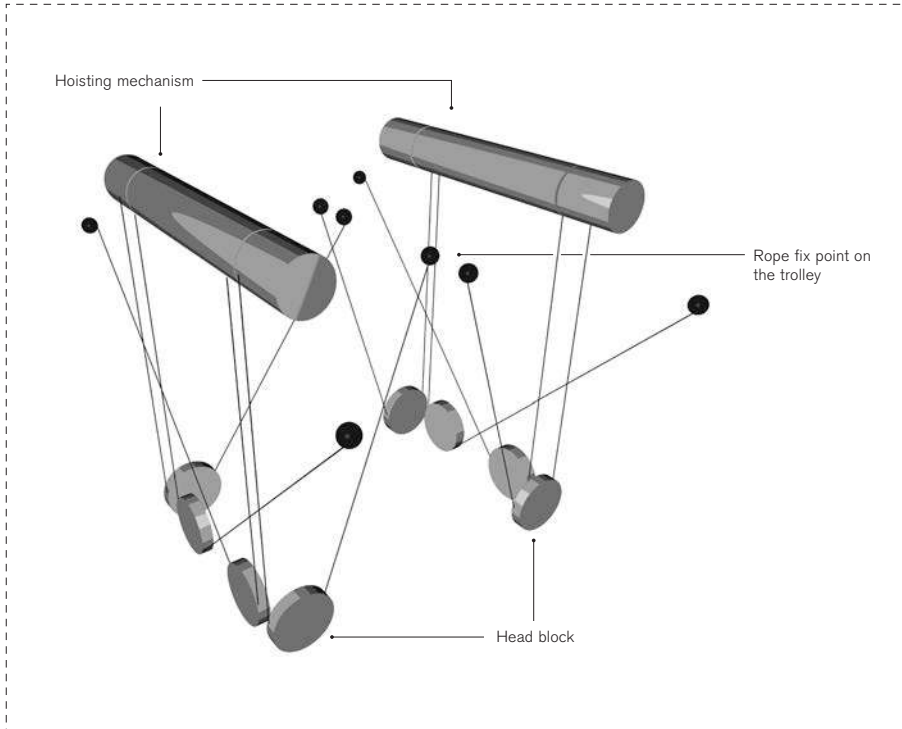
WIDE TRACK AND LARGE TRUSS SPAN*

→ Track	Up to 229 ft	Up to 70 m
→ Cantilever Arm	Up to 82 ft	Up to 25 m
→ Cantilever Arm II	Up to 82 ft	Up to 25 m
→ Hoisting/Lowering	Up to 147/295 ft/min	Up to 45/90 m/min
→ Trolley Travelling	Up to 590 ft/min	Up to 180 m/min
→ Crane Travelling	Up to 524 ft/min	Up to 160 m/min
→ Lifting Capacity	Up to 66 US t under spreader	Up to 60 t under spreader
→ Lifting Heights	Up to 65 ft	Up to 20 m
→ Slewing	Up to 2 rpm	Up to 2 rpm
→ Applications	Container/Bulk/ Project cargo/	Container/Bulk/ Project cargo/



*other features on request

HOISTING MECHANISM – RIGID ROPE TOWER – NATURAL ANTI-SWAY IN EVERY DIRECTION



↑
Unifilar drawing



↑
Slewing trolley (slewing as option)



↑
Heavy duty trolley in double girder design (turnable head-block as option)



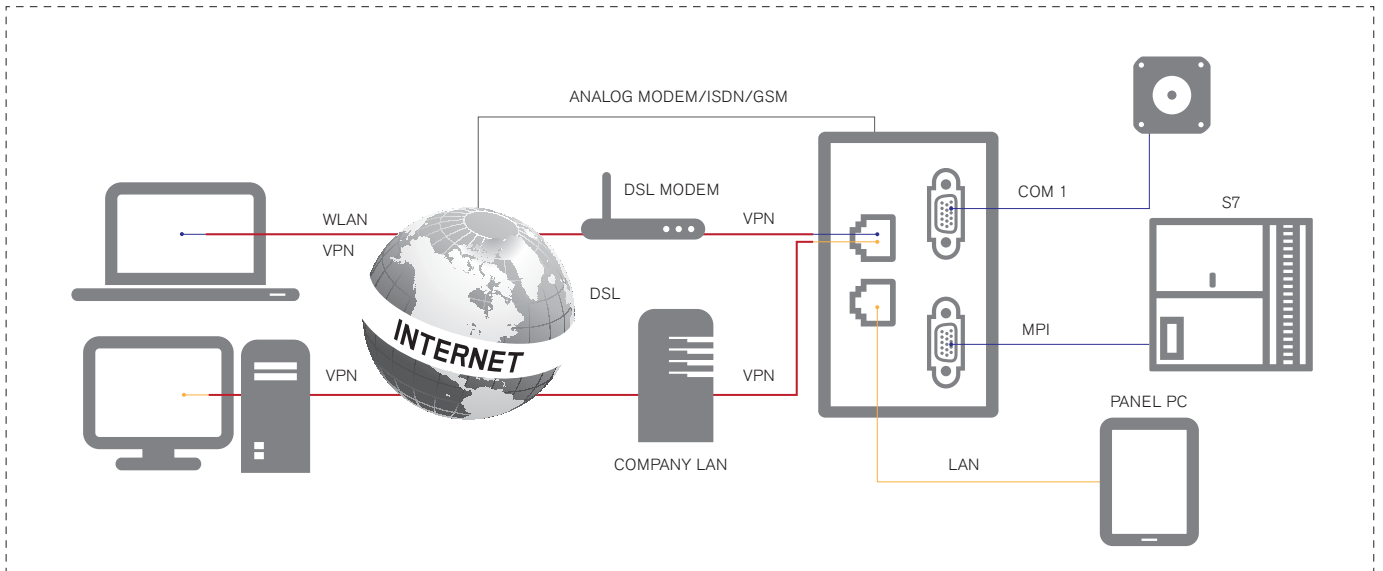
↑
The driver's cabin offers an optimal view to the load

WORKING THE CURVE



↑
Option: slewing gantry travelling mechanism

- Perfect for terminals where space is limited
- Curved tracks increase the efficiency of the yard
- The KOCKS Terminal Server can travel from the straight track into the curve and back without reducing speed



↑
Standard remote access



↑
The entire control system is installed in the electrocontainer to make maintenance easy



↑
Inside the electrocontainer



↑
Access – stairs, platforms, ladders and elevator

TERMINAL SERVER

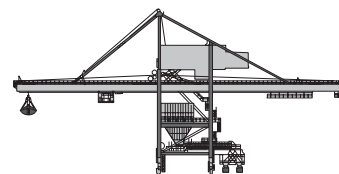
→ BOXER

Crane system for container handling



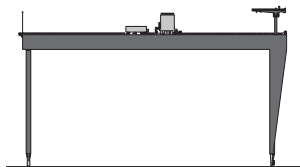
→ DIGGER

Ship unloader for bulk cargo handling



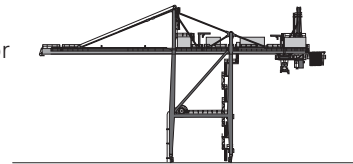
→ GOLIATH

Dockyard crane for the handling of ship sections



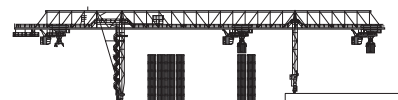
→ FEEDER SERVER

Mobile container crane for fast changes of position



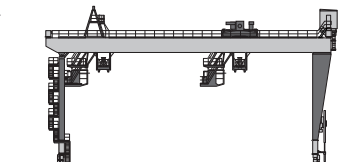
→ BARGE SERVER

Portal crane for handling procedures in ports and harbours



→ TERMINAL SERVER

Portal crane for trimodal terminals and stockyards



Kranunion is a group of three leading crane manufacturers specialised in the design and production of cranes and transporters for ports, shipyards, steel mills and the railways.

Kranunion companies are driven by the great German engineering tradition. All of their products are centred around ingenious technical concepts that are perfectly suited for the task at hand.

KIROW

is the world market leader for railway cranes and slag pot carriers.

ARDELT

is the world market leader for double jib level luffing cranes.

KOCKS

is the world market leader for Goliath cranes and a pioneer in the development of container cranes.