

COIL AND PLATE HANDLING CRANES

These cranes are used to transport bars, plates, or coils in the rolling area. They are high-speed cranes that can be equipped with a variety of lifting devices depending on the material to be handled. They will often be equipped with Smart Features to make them more productive.

ALTERNATIVE LIFTING DEVICES

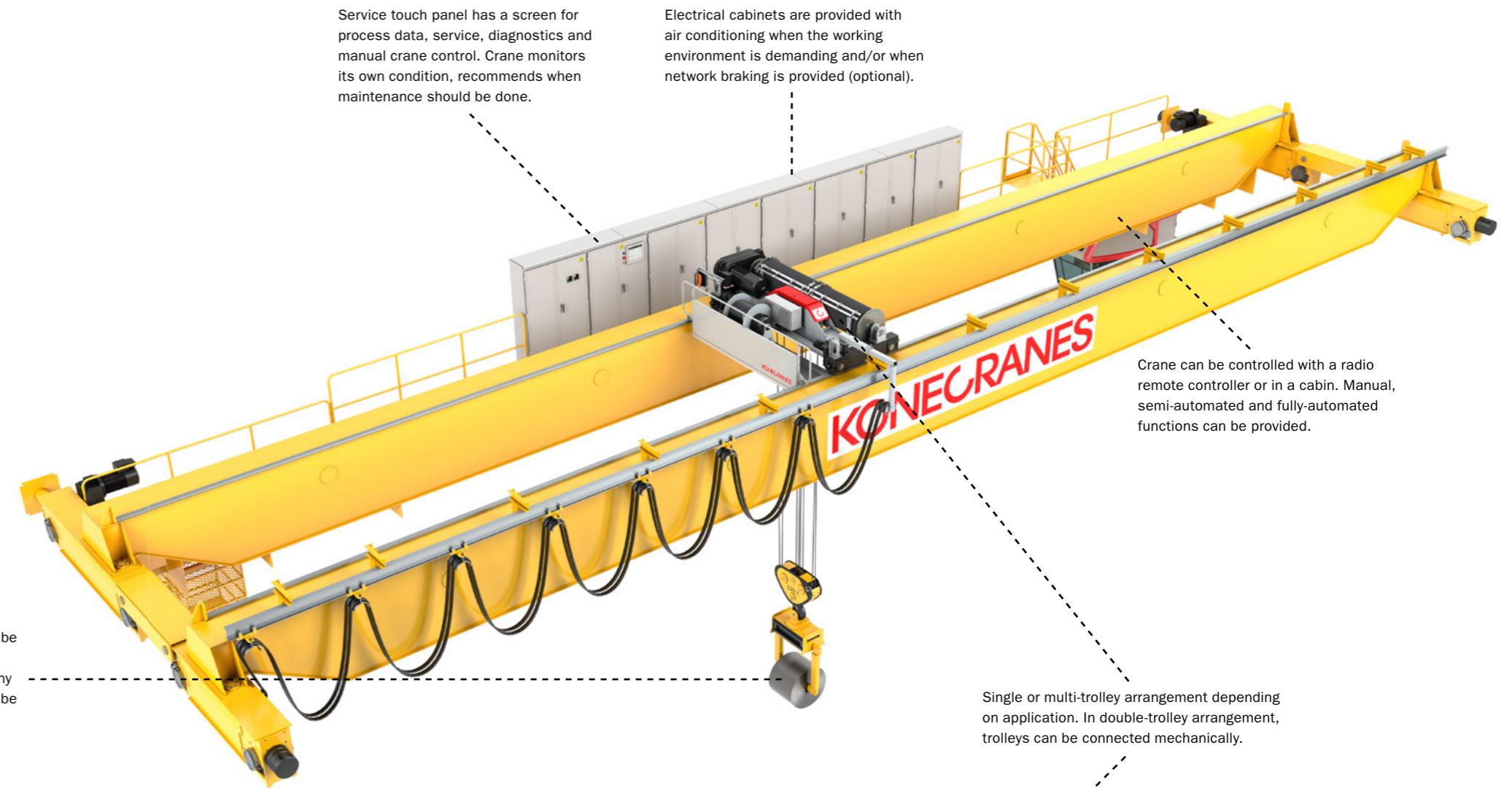
Coil magnet



Coil Grab

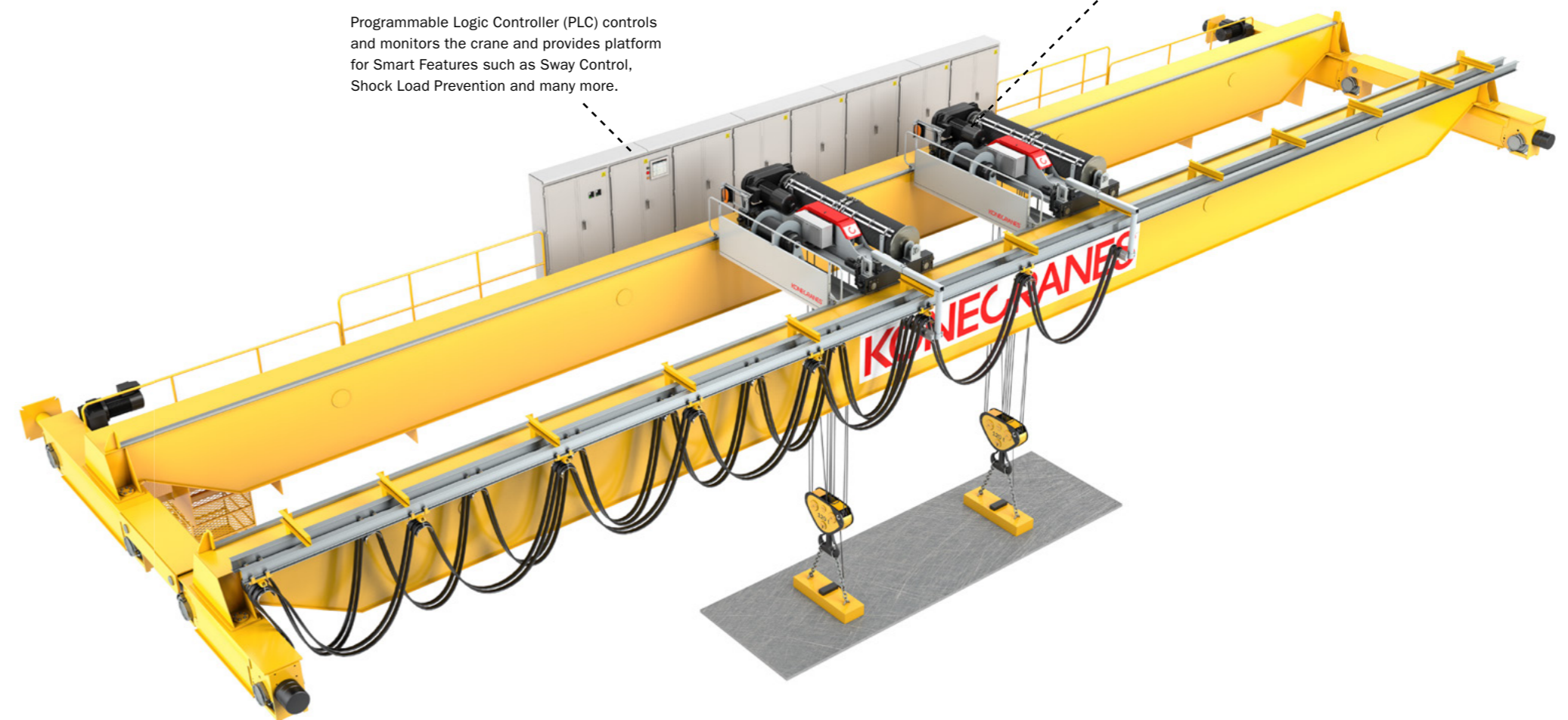


Wide range of lifting devices can be attached to the hooks: magnets, C-hooks, hydraulic tongs and many others. The slewing function can be provided with a lifting device.



Single or multi-trolley arrangement depending on application. In double-trolley arrangement, trolleys can be connected mechanically.

Programmable Logic Controller (PLC) controls and monitors the crane and provides platform for Smart Features such as Sway Control, Shock Load Prevention and many more.



	Tailored heavy-duty crane	Heavy-duty SMARTON® crane	Low and medium-duty standard crane	Typical performance in the application
Classification				
Working cycles (EN13001-1)	Up to 8 million	1–2 million	250 000–500 000	1–2 million
Load spectrum (EN13001-1)	Up to Q5	Q4–Q5	Q3–Q4	Q4–Q5
FEM 1.001 3rd edition / year 1998	Up to M8	M7–M8	M5–M6	M7–M8
Trolley				
Type	Tailored open winch with or without slewing	Standard open winch	Standard hoist	Non-slewing tailored open winch
Lifting devices				
Attached with hook	Magnet beam/Magnet beam with slewing/Single magnet/Vacuum lifter/Tong/C-hook	Magnet beam/Magnet beam with slewing/Single magnet/Vacuum lifter/Tong/C-hook	Magnet beam/Magnet beam with slewing/Single magnet/Vacuum lifter/Tong/C-hook	
Attached with rope	Magnet beam/Magnet beam with slewing/Single magnet/Vacuum lifter/Tong/C-hook			Non-slewing magnet beam
Lifting capacity				
Maximum capacity	Tailored	6.3–63 tons	0.4–80 tons	5–60 tons
Main dimensions				
Span	Tailored	Tailored	Tailored	15–40 m
Lifting height	Tailored	10–104 m	3–200 m	3–18 m
Speeds				
Bridge travel speeds	Tailored	20–150 m/min	20–40 m/min	50–150 m/min
Trolley traversing speeds	Tailored	16–50 m/min	20–32 m/min	30–60 m/min
Hoisting speed with nominal load	Tailored	1–50 m/min	1–25 m/min	6–20 m/min
Electrical systems				
Bridge power supply	Conductors	Conductors	Conductors	Conductors
Trolley power supply	Festoon	Festoon	Festoon	Festoon
Motor control system	Konecranes Variable Frequency Drives (VFD)	Konecranes VFD	Konecranes VFD	Konecranes VFD
Electrical braking	Regenerative network braking units	Resistors/Regen. network braking as an option	Resistors	Resistors
Control				
Manual	Cabin/Radio	Cabin/Radio	Cabin/Radio/Pendant	Cabin
Automated	Option			
Monitoring				
Event history recorder in Programmable Logic Controller (PLC)	Standard	Standard	Option	Standard
Crane Monitoring System	Option	Option	Option	Option