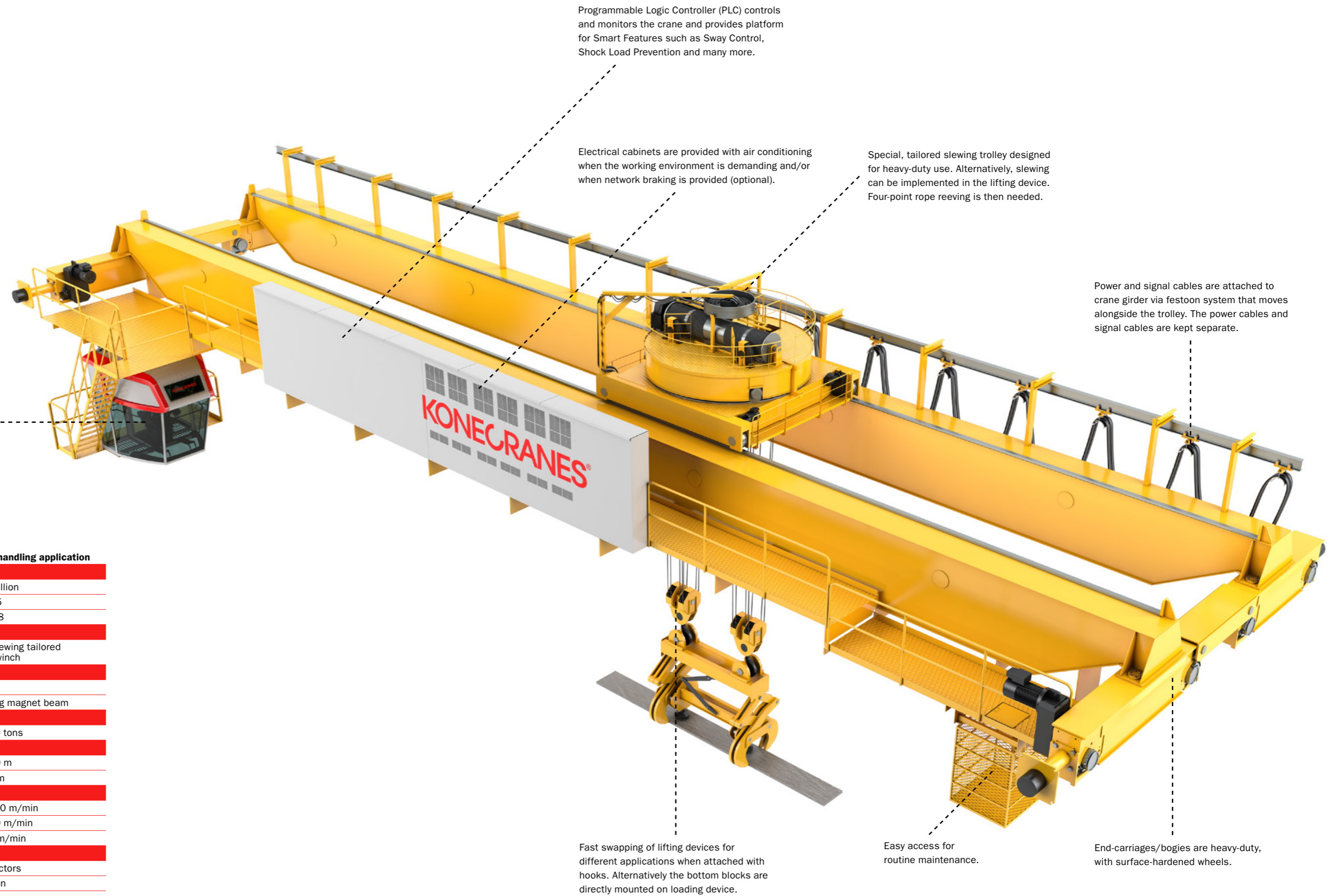


# SLAB AND BILLET HANDLING CRANES

These heavy-duty cranes take hot slabs, billets or blooms from the continuous casting machine conveyor, transport them to the storage area, or feed them to the rolling mill. They are high-speed production cranes designed with the same concern for safety and reliability as our charging and ladle cranes.



Smarter cabin (optional) provides much improved visibility with a window area increase of 60%, and improved ergonomics and comfort.

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.

Electrical cabinets are provided with air conditioning when the working environment is demanding and/or when network braking is provided (optional).

Special, tailored slewing trolley designed for heavy-duty use. Alternatively, slewing can be implemented in the lifting device. Four-point rope reeving is then needed.

Power and signal cables are attached to crane girder via festoon system that moves alongside the trolley. The power cables and signal cables are kept separate.

Fast swapping of lifting devices for different applications when attached with hooks. Alternatively the bottom blocks are directly mounted on loading device.

Easy access for routine maintenance.

End-carriages/bogies are heavy-duty, with surface-hardened wheels.

	Tailored heavy-duty crane	Slab handling application	Billet handling application
<b>Classification</b>			
Working cycles (EN13001-1)	Up to 8 million	1–2 million	1–2 million
Load spectrum (EN13001-1)	Up to Q5	Q4–Q5	Q4–Q5
FEM 1.001 3rd edition / year 1998	Up to M8	M7–M8	M7–M8
<b>Trolley</b>			
Type	Tailored open winch with or without slewing	Non-slewing tailored open winch	Non-slewing tailored open winch
<b>Lifting devices</b>			
Attached with hook	Tong/Magnet/C-hook		
Attached with rope	Tong/Magnet/C-hook		Slewing magnet beam
<b>Lifting capacity</b>			
Maximum capacity	Tailored	40–120 tons	15–40 tons
<b>Main dimensions</b>			
Span	Tailored	20–40 m	20–40 m
Lifting height	Tailored	6–15 m	6–15 m
<b>Speeds</b>			
Bridge travel speeds	Tailored	60–150 m/min	60–150 m/min
Trolley traversing speeds	Tailored	20–60 m/min	20–60 m/min
Hoisting speed with nominal load	Tailored	8–20 m/min	8–20 m/min
<b>Electrical systems</b>			
Bridge power supply	Conductors	Conductors	Conductors
Trolley power supply	Festoon	Festoon	Festoon
Motor control system	Konecranes Variable Frequency Drives (VFD)	Konecranes VFD	Konecranes VFD
Electrical braking	Regenerative network braking units	Resistors	Resistors
<b>Control</b>			
Manual	Cabin/Radio	Cabin	Cabin
Automated	Option		
<b>Monitoring</b>			
Event history recorder in PLC	Standard	Standard	Standard
Crane Monitoring System	Option	Option	Option