

MOTORIZED CABLE REELS

Magnetek's motorized cable reel product line is a superior solution to effectively and compactly manage large lengths of cable. Motorized cable reels are useful for a variety of marine terminal applications, including Ship-to-Shore Container Cranes, Rubber Tired Gantry Cranes, and Rail Mounted Gantry Cranes.

SHIP-TO-SHORE CONTAINER CRANES (STS)

STS cranes enable efficient loading and unloading for marine applications. Motorized cable reels facilitate vertical movements of spreaders and horizontal mobility of container cranes. Cable reels are proven systems for energy and data transfer, making short cycle times due to high lifting and trolley speeds possible, as well as horizontal flexibility of the crane.

RUBBER TIRED GANTRY CRANES (RTG)

RTG cranes most commonly stack standard containers. There has been a recent trend toward electrification of RTGs versus earlier power via diesel generator systems. When retrofitting RTGs with motorized cable reels, overall fuel consumption, harmful emissions, and maintenance downtimes can be significantly reduced.

RAIL MOUNTED GANTRY CRANES (RMG)

RMG cranes position standard containers in sequence between container corridors. Motorized cable reels enable short cycle times while guaranteeing maximum horizontal mobility due to high lifting and trolley speeds, as well as horizontal flexibility of gantry cranes. RMGs incorporate a sturdy design for low-maintenance cargo handling and custom power supply solutions to guarantee reliable just-in-time logistics all over the world. Therefore, they are equipped with environmentally friendly power transmission components.



Motorized
Cable Reel



Spring powered
reels also available



MAGNETEK
MATERIAL HANDLING

TECHNICAL SPECIFICATIONS

STS

Performance	Power supply for fast vertical spreader movements	Power supply for horizontal travel of STS cranes
Travel Speed	Up to 240 m/min	Up to 180 m/min
Max. Acceleration	Up to 1 m/s ²	0.5 m/s ²
Installation Height	Up to 60 m	Up to 20 m
Drive Unit	Frequency inverter drives, magnetic coupling	Frequency inverter drives, magnetic coupling
Slip Ring Body	Power supply, control signal, fiber optic rotary joints	Power supply, control signal, fiber optic rotary joints
Coiling Length	Up to 60-70 m	Up to 600 m
Feed-In	End	Mid/end
Cable Reel Dimensions	Up to 2 m	Up to 9.5 m
Ambient Temperature	From -25°C to 40°C (-13°F to 104°F)	From -25°C to 40°C (-13°F to 104°F)
Accessories	Roller payout guide with slack and tight cable control, deflection and guide pulleys, cable center feed funnel	Roller payout guide with slack and tight cable control, deflection and guide pulleys, cable center feed funnel

RTG

Performance	Power supply for fast horizontal travel of RTGs
Travel Speed	Up to 140 m/min
Max. Acceleration	Up to 0.25 m/s ²
Installation Height	5-8 m
Drive Unit	Magnetic coupling, frequency inverter drives
Slip Ring Body	Power supply
Coiling Length	Up to 200 m
Feed-In	End
Cable Reel Dimensions	5-6 m
Ambient Temperature	From -25°C to 40°C (-13°F to 104°F)
Accessories	Roller payout guide with slack and tight cable control, deflection and guide pulleys, cable center feed funnel

RMG

Performance	Power supply for fast horizontal travel of RMGs
Travel Speed	Up to 180 m/min
Max. Acceleration	Up to 0.5 m/s ²
Installation Height	Up to 12 m
Drive Unit	Frequency inverter drives, magnetic coupling
Slip Ring Body	Power supply, control signal, fiber optic rotary joints
Coiling Length	Up to 400 m
Feed-In	Mid/end
Cable Reel Dimensions	8-9 m
Ambient Temperature	From -25°C to 40°C (-13°F to 104°F)
Accessories	Roller payout guide with slack and tight cable control, deflection and guide pulleys, cable center feed funnel

For more information, contact your local Magnetek Sales Representative, sales@magnetek.com, or the Magnetek location nearest you.



MAGNETEK
MATERIAL HANDLING

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