



Secure Power and Data for Automated Rail Mounted Gantries



Cable Reels

for High Speed RMG

- most advanced cable reel control system developed with major cable manufacturers
- predictive control algorithm to permanently adjust speed and torque before crane motion applies stress on the cable
- increased lifetime of the cable through the lowest possible cable tension
- center feed crossing without slow-down up to 240 m/min
- safe proven interfaces for full integration into the Crane Management System
- intelligent fault diagnostics for quick and easy remote troubleshooting
- High availability options:
 - Fully redundant, remote switchable motor to continue full speed in case of motor electrical failure
 - Conditions monitoring to enable repair before a failure

300 m/min

on Conductix-Wampfler
High Speed Test track
in Weil am Rhein,
Germany

Additional Solutions *for Container Handling Applications*



Energy guiding chains for the main trolleys on automated RMGs

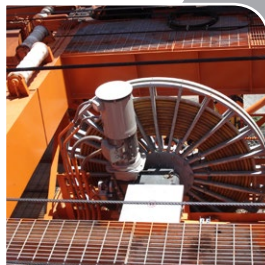


Standard festoon system with catenary trolley



Conductor rails with data transmission

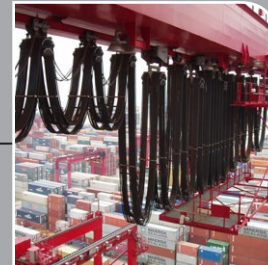
**We move
your
business!**



Spreader cable reel with fiber optics



Power cable reel with fiber optics for STS Cranes



Festoon system with motorized trolleys for STS Cranes

References

more than 300 ARMG reels over 15 years. Key projects :

Number of ARMGs	End user	OEM	Year of Install.	Feed-In	travel speed m/min	travel distance m
42	Pusan New Port (South Korea)		2007	Center-Feed	150	300
38	Pusan New Port (South Korea)		2010	End-Feed	210	350
38	KMCT (Taiwan)		2009	Center-Feed	150	300
36	Pusan New Port (South Korea)		2008	Center-Feed	210	400
32	APM Tangier Med 2 (Morocco)		2017	End-Feed	210	300
30	Rotterdam World Gateway (Netherlands)		2014	End-Feed	255	400
20	Rotterdam World Gateway (Netherlands)		2013	End-Feed	255	400
14	SNCT Incheon (South Korea)		2014	Center-Feed	150	370
14	SNCT Incheon (South Korea)		2017	Center-Feed	150	370
10	APM Tangier Med 2 (Morocco)		2018	End-Feed	210	300
10	P&O Antwerpen (Belgium)		2009	End-Feed	240	400
9	OOCL (Taiwan)		2004	Center-Feed	100	300
8	TUXPAN (Mexico)		2014	Center-Feed	135	300
8	PECT (South Korea)		2004	Center-Feed	130	450
6	Rotterdam World Gateway (Netherlands)		2016	End-Feed	255	400
4	P&O Antwerpen (Belgium)		2007	End-Feed	240	400
2	Noatum (Spain)		2018	Center-Feed	150	290



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Our goal is to work closely with our customers to improve their productivity and to build long-term partnerships that lead to highly energy efficient and sustainable operations. All equipment is rigorously designed and manufactured with respect to the environment, high product quality, our customers' applications and the operating conditions.

We have focused on the field of mobile electrification systems since 1902.

Our dedicated electrification solutions help to keep their operations up and running 24 / 7 – 365 days per year.

Local Support all over the Globe:



www.conductix.com

Conductix-Wampfler

has just one critical mission:

To provide you with energy and data transmission systems that will keep your operations up and running 24/7/365.

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