



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 trouble-shooting
- 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

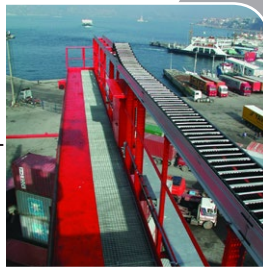
300 m/min

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

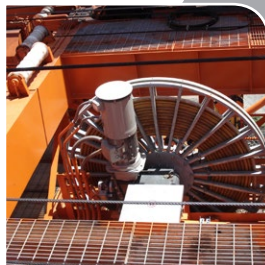


Standard festoon system with catenary trolley



Conductor rails with data transmission

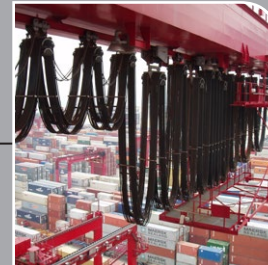
**We move
your
business!**



Spreader cable reel
with fiber optics



Power cable reel with fiber optics
for STS Cranes



Festoon system with motorized trolleys

References

more than 300 A/RMG 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) | ZPMC | 2007 | Center-Feed | 150 | 300 |
| 38 | Pusan New Port (South Korea) | ZPMC | 2010 | End-Feed | 210 | 350 |
| 38 | KMCT (Taiwan) | ZPMC | 2009 | Center-Feed | 150 | 300 |
| 36 | Pusan New Port (South Korea) | ZPMC | 2008 | Center-Feed | 210 | 400 |
| 32 | APM Tangier Med 2 (Morocco) | kühn | 2017 | End-Feed | 210 | 300 |
| 30 | Rotterdam World Gateway (Netherlands) | GOTTWALD port technology | 2014 | End-Feed | 255 | 400 |
| 20 | Rotterdam World Gateway (Netherlands) | GOTTWALD port technology | 2013 | End-Feed | 255 | 400 |
| 14 | SNCT Incheon (South Korea) | ZPMC | 2014 | Center-Feed | 150 | 370 |
| 14 | SNCT Incheon (South Korea) | HHMC | 2017 | Center-Feed | 150 | 370 |
| 10 | APM Tangier Med 2 (Morocco) | kühn | 2018 | End-Feed | 210 | 300 |
| 10 | P&O Antwerpen (Belgium) | GOTTWALD port technology | 2009 | End-Feed | 240 | 400 |
| 9 | OOCL (Taiwan) | | 2004 | Center-Feed | 100 | 300 |
| 8 | TUXPAN (Mexico) | ZPMC | 2014 | Center-Feed | 135 | 300 |
| 8 | PECT (South Korea) | HYUNDAI SAMPONG HEAVY INDUSTRIES CO., LTD. | 2004 | Center-Feed | 130 | 450 |
| 6 | Rotterdam World Gateway (Netherlands) | GOTTWALD port technology | 2016 | End-Feed | 255 | 400 |
| 4 | P&O Antwerpen (Belgium) | GOTTWALD port technology | 2007 | End-Feed | 240 | 400 |
| 2 | Noatum (Spain) | CARGOTEC | 2018 | Center-Feed | 150 | 290 |



Conductix-Wampfler is the world leader in the design and manufacture of efficient energy and data transmission systems for all types of mobile equipment and machinery.

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:



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will keep your operations up and
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