



# Hunterston Terminal

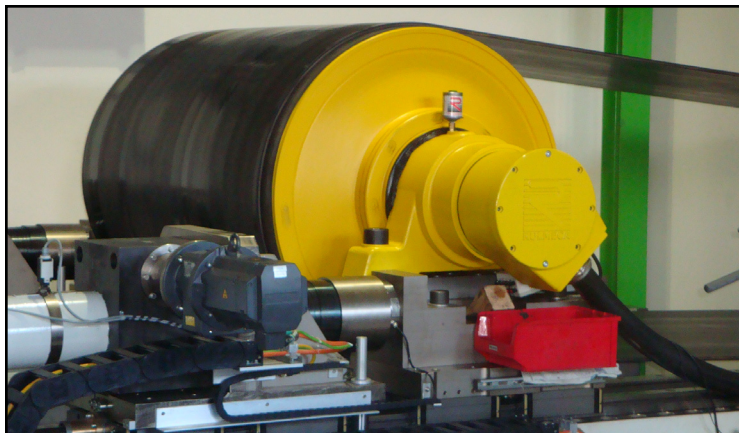
## Powerful Rulmecca Motorized Pulleys Installed At Deepwater Coal Port

Clydeport will upgrade primary ship loader conveyor drives with Rulmecca Motorized Pulleys in 2011 at the Hunterston Terminal in Fairlie, Largs, Scotland. This follows several years of successful testing of Rulmecca drives elsewhere at the facility. Capable of unloading 350,000 dwt cape size vessels and load-



Two 180 HP 600 fpm model 800HD Rulmecca Motorized Pulleys will be installed on this 2,000 tph ship loader at Hunterston Terminal. One 330 HP model 1000HD will be installed on the dock conveyor.

ing 95,000 dwt vessels, the Hunterston Terminal has the fastest discharging rates in the UK and is keenly aware of the risk of demurrage fees if the terminal's conveyor system were to delay coal loading or unloading. Ideally located for UK, Irish, and European coal markets, Hunterston also offers rail & road links.



Hunterston's 330HP 600 fpm model 1000HD under full load testing at Rulmecca facility in Germany, July 2011. 1000HD has a small footprint of 40.16" diameter x 59.06". Four mounting bolts simplify installation.

With a promise of more reliable "up time" plus a reduction in energy costs, the Rulmecca Motorized Pulley made its debut in 2008 on a secondary conveyor drive in the terminal's rapid train loading station. Two additional drives were installed in the train loading station in October 2009, this time on the primary circuit, making a total of three 100 HP 600 fpm model 800H units in the bunker feed system.



Tony Hooker (left) Rulmecca UK sales manager and Willie Caig (right) Hunterston shifts maintenance manager "inspect" 180 HP model 800HD in terminal warehouse.

Hunterston's shifts maintenance manager, Willie Caig, said "We've run the Rulmecca pulleys in the train loader on and off 24 hours a day, depending on coal demand, without any problems. We look forward to the same good product performance when we fit the big drives onto our ship loader and export dock conveyor."

According to Rulmecca UK sales manager, Tony Hooker, "More than 100 large Rulmecca Motorized Pulleys are now driving coal conveyors in UK collieries and power plants. When Willie agreed to test our drive in 2008, I knew replacement of the 30 year old existing drives would soon follow."



With regreasable labyrinth seals, ceramic lagging, and internal backstops, Hunterston's new ship loader and dock conveyor drives will offer excellent product and personnel protection in the harsh salt water environment.



Capable of accommodating five trains simultaneously, the Hunterston rail car loader system includes multiple bunker feed conveyors and provides rapid filling of 100 ton and 44 ton railcars.

In addition to two clamshell ship unloaders, a shiploader, and a train loadout station, Hunterston Terminal has a 120 acre coal stockyard which is serviced by three bucket wheel stacker reclaimers, operating 24 hours per day, 7 days per week.

Rulmecca developed the model 1000HD in response to numerous customer requests for more Motorized Pulley power. After more than two years of R&D, the product is now available in 220, 270, and 330 HP and belts speeds from 600 to 1,320 fpm.

The company's model 800HD is also relatively new, having been designed with a three stage gearbox to produce speeds of 240 to 600 fpm in powers of 75 to 180 HP.

Since 1953, Rulmecca Motorized Pulleys have offered mines, prep plants, power plants, and ship loading terminals an optimal alternative to exposed drive systems with diameters from 5.5" to 40", powers up to 330 HP, and belt speeds up to 1,320 fpm.



Model 800HD Rulmecca Motorized Pulleys drive bunker feed conveyors in Hunterston's train loading station. Each drive features a 100 HP 4 pole motor and three stage gearbox providing a 600 fpm belt speed.

Since they enclose all drive components within an oil-filled and hermetically-sealed pulley shell, Rulmecca Motorized Pulleys increase system reliability, lower maintenance expense, improve personnel safety, save space, and reduce power consumption.

For more information, contact Mike Gawinski, Rulmecca Corp., Wilmington, NC, at 910-794-9294.



## 20 Million Tons, No Problem

Compact

Self Lubricating

Long Lasting

Available to 330 hp



Rulmecca Motorized Pulleys  
the world's most powerful since 1953.

## RULMECCA CORPORATION

6508-B Windmill Way, Wilmington, NC 28405  
910-794-9294 [www.rulmecacorp.com](http://www.rulmecacorp.com)

