

DOSING AND MIXING

New

PRIMERROY® K

The compact concept that completes existing mROY® and MAXROY® ranges



**FOOT PRINT
- 75%**

**Flow rate from 71 to 2 500 l/h
Pressure up to 37 bar**

• **New: GSD diaphragm liquid end (Global Security Device - patented)**

Main advantages:

- a triple hydraulic security,
- a pump with a compact footprint.

• **Innovation:**

The IMI system (Installation Monitoring Indicator) allows to visualize any variation in the dosing process.

• **Additional improvements:**

- continuous oil filtration,
- down to -8m of water suction lift capability.

• **Applications:**

Design to address all industrial applications including metering of corrosive, abrasive, viscous, slurry fluids.

Conformity to API 675

In accordance with ATEX CE EX II 2G/D c T4

MILTON ROY
EUROPE

The choice for performance

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Monitoring and logging vessel speeds

The past year has resulted in a number of new systems being developed by Strainstall UK Ltd. The first, DockAlert Portable Laser Docking System, has been designed as a portable tool to allow monitoring and logging of the speed of approach and impact speed of a vessel onto the fenders. The system comprises a binocular laser vessel approach sensor specifically designed for vessel approach

systems, that is connected to a portable computer running pre-installed DockAlert software. The software handles the ship docking process and provides real-time information on the distance of the vessel from the fender line, the speed of approach into the jetty, alarms in the event that the speed of approach is outside operator selectable parameters and event logging.

When in use, the laser is mounted on a tripod that incorporates a three-way head to allow alignment. The system is powered from a battery mounted in a rugged carry case providing up to four hours operation. The carry case also incorporates a universal voltage battery charger, and for storage and transport, houses the laser sensor and portable computer. The benefit of the system is that it can be moved to different jetties as and when required, and replaces the need for permanently installed systems for each individual jetty. Alternatively it can be used to carry out initial assessments of berthing speed prior to the installation of a permanent Strainstall hazardous area berth management system.

The second new product that has recently been launched is the Laser Lift System. Because in some parts of the world the variation in the height of the sea surface relative to the jetty deck between high and low tide is

considerable, the Laser Lift System was developed to ensure that the Laser Distance Sensors are always pointing at the moored ship. They are mounted on platforms that automatically

move up and down as the height of the sea surface changes, with the laser optical head being kept a nominal height of 2 metres above the sea surface. An ultrasonic transducer mounted below the bottom of the platform measures the height. This information is passed to electronics

located in the laser lift trolley and winch enclosure and is used to control the platform winch motor to raise or lower the platform as required. A proximity switch

is provided that limits the upward travel of the platform to prevent it colliding with the winch motor mounting frame.

Lastly, Strainstall's portable wireless weighing system for large structures consists of up to 24 low profile compressive load cells; each typically rated at 100 tonnes (but can be higher or lower depending on the application) and connected via a short cable to a battery powered telemetry transmitter. □

Enter 80A or at www.engineelive.com/foq

Strainstall UK Ltd is based in Cowes, Isle of Wight, UK
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