Speed control maximises crane productivity

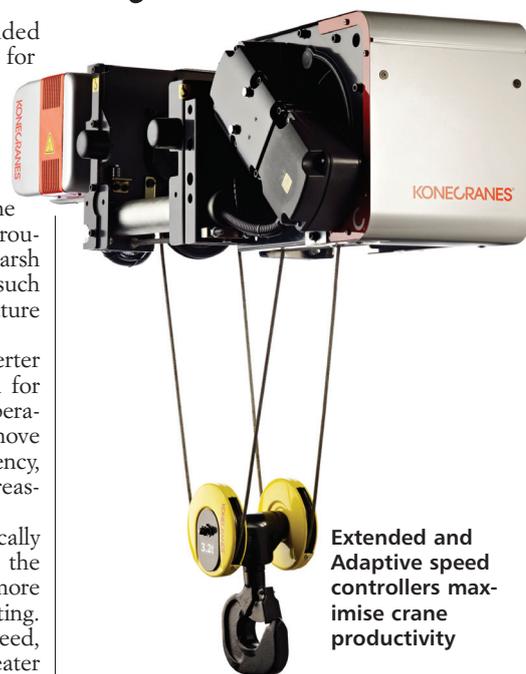TWO speed control options − Extended Speed Range and Adaptive Speed Range − for overhead lifting motors have been introduced by Konecranes. These provide effective options to achieve high average hoist speeds without increasing motor size.

The Extended Speed Range has been developed for high duty applications in the steel industry where near capacity loads are routinely lifted. They are designed for the harsh environment of the steelworks and include such features as flame, heat and high temperature resistance.

The Extended Speed Range uses inverter technology to allow increased hoist speed for light loads. The faster hoist speed allows operators to return empty hooks to position or move smaller loads with greater speed and efficiency, reducing average hoist cycle time and increasing productivity.

The Adaptive Speed Range automatically varies the speed of the hoist according to the load. For full capacity loads, a slower, more deliberate speed is used to enhance safe lifting. Moderate loads can be moved at higher speed, while light loads are afforded even greater speed.

Designed for applications where high capacity lifts are performed less frequently, Adaptive Speed Range uses a compact motor, maximising productivity and safety, while reducing

Extended and Adaptive speed controllers maximise crane productivity

unnecessary motor power and maintenance costs.

www.konecranes.com/

Ultra-compact 2D imaging engine with dual optical field

THE MS-2D imaging engine has dual optical field for linear barcode, 2D symbol and direct part marks (DPM) decoding applications. The new MS-2D engine offers advanced technologies for decoding and is designed specifically for embedded applications. The reader is equipped with a 1.2 Megapixel CMOS sensor (960 x 640 pixels), and thanks to the dual optical field it offers reliable reading of codes ranging from large 1D barcodes to tiny high density 2D symbols.

The MS-2D uses X-Mode decoding algorithms and can easily read the most damaged or difficult codes and symbols. Built-in red illumination and blue targeting ensure easy aiming. These features combined with a very low 5V power draw make the MS-2D a powerful and inexpensive solution for customers with integration capabilities. In addition, users have the option to enable or disable one of the dual optical fields for fixed mount applications for maximum performance.

The size of the integrated unit with the MS-2D engine and decode board is just 39.0mm wide by 24.9mm long and 21.8mm high, and weighs only 25.7g. The device is easy to set up and configure using Microscanís ESPÆ (Easy Setup Program) software, as well as the selectable trigger and symbology settings.

It can read all linear bar codes, stacked codes such as GS1 Databar and PDF417, and 2D symbols such as Data Matrix. It can be implemented in a variety of embedded auto ID systems, from electronics assembly to medical devices, clinical instruments and bank ATMs. Various mounting features are available including tabs, blind through holes, and mounting brackets. Configuration options include integrated decode board and mounting bracket, or low profile tab mount with remote decode board. An evaluation kit is available to order with a serial or USB interface.

www.microscan.com

Damaged or difficult codes and symbols can be read

Combilift export award

COMBILIFT has been named the 'Best Overall Exporter' to Germany in the Irish 'Exporter to Germany Awards', organised by Enterprise Ireland and the German-Irish Chamber of Industry and Commerce.

The one off award presented to Combilift is the company's third major accolade this year following its success at the FLTA awards in February for its RT and CB forklift models.

Combilift entered the German market in 1999, just a year after the company was established and since then its ever increasing range of 4-way handling solutions has notched up sales in excess of €100M to German companies, with a growth rate of 22% recorded in 2012.

The company's strong foothold in this very competitive arena, where emphasis on excellently engineered and solution based products is of uppermost importance, is chiefly down to its ethos of innovation. Combilift's policy of taking customer feedback on board to develop handling solutions according to specific requirements has gained it blue chip customers such as Liebherr, ThyssenKrupp, Weber Haus, Veka, Schüco and Hagebau, for example. Repeat orders from these companies underline the eminent suitability of the Combilift range for their operations.

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Two new handheld barcode readers

TWO new handheld barcode readers, the HS-21 and HS-41X handhelds are ideal portable reading solutions for almost any 1D/2D symbol. With a compact and durable design to withstand multiple drops from 6 feet, both products are equipped with a 1.2 Megapixel CMOS sensor and dual field optics to provide reliable reading of codes ranging from large 1D barcodes to tiny high density 2D symbols.

Produced by US based Microscan, the HS-21 and HS-41X imagers are ideal for any high-contrast automated data application from industrial environments to clean rooms. The HS-21 offers a portable solution for decoding both linear barcodes and 2D symbols in common applications such as high-contrast black and white labels. The HS-41X additionally includes Microscan's X-Mode decode algorithms and innovative bright field lighting for reading difficult low contrast codes, including direct part marks (DPM) such as dot peen and laser/chemical etch.

Both imagers are ergonomically designed for comfort in repetitive and heavy duty applications, and feature visual and vibrating indicators to provide confirmation of successful reads in noisy or sensitive environments.

The reader body is rated to IP54 protects all sensitive components and is easily cleaned. Compatible accessories include a presentation stand with a flexible neck to use the readers in their motion detecting presentation mode.

www.microscan.com