Cylinders with inductive switching systems on show

Cylinders – AHP Merkle presented its linear cushioning, tie rod cylinder ZHZ 160 and new block cylinder BZP 501 with inductive switches at Fakuma last year.

The company says this cushioning is not only linear but also evaluable and therefore easy for the designer to lay. According to AHP, the cushioning process is much faster but at the same time more gentle in the application. This new development was featured with animations and measurements at the show in Friedrichshafen.

Linear cushioning is said to deliver greater efficiency and improved function to the company’s hydraulic cylinders. And as a first, adjustment-free damping is being offered, which eliminates the possibility of setting errors, AHP claims. The linear cushioning is now also available in the new tie rod cylinder ZHZ 160 as standard.

The ZHZ cylinder is equipped with hardened and hard-chromed piston rods as standard, like in all AHP products. Its dimensions are manufactured to DIN/ISO 6020/2 requirements. A new switching solution with inductive sensors, the block cylinder BZP 501, was also showcased. These are compact and the switching position can be adjusted to a minimum of 8 mm at the end. Switching systems the company also offers are high temperature options of up to 140°C.

The new catalogue on AHP’s locking cylinder, which are available in two dimensions, was also presented.

ahp.de

Multi-component moulds for virtually every application

Moulding – Multi-component moulds from injection-mould expert Braunform are said to enable producing components of different materials in just one process step. This, the company says, is particularly efficient in combination with its rotary table technology, namely Braunform’s Classic Line and the Vision Line series. Both lines offer six standardised supply systems. While the Classic Line offers a good price-performance ratio, the Vision Line is a customised series with special options, offering solutions for virtually every application.

The Hydro-Classic Line has a hydraulic motor and offers a rotary angle of 180° continuous rotation. It has a hydraulic lock at the end of travel. The Servo-Classic Line has an electric servo-motor, a rotary angle of 180° continuous rotation and an end-of-travel secured by servo-drive.

The entire Classic Line and rotary tables ranging from BKT 1100 to BKT 1400 with an electric servo-motor or hydraulic motor can be complemented with options, which, as such, comprise the Braunform vision line. These options include individual ejector layouts; rotary angles of 120° (for 3 stations) or 90° (for 4 stations); additional water, pneumatic and hydraulic circuits; direct water supply in moulds; core back systems; integrated ejectors; electrical signal transfers; encoders for positioning (BKT 450-800); gliding support for machine saddles; insulating plates; custom-made sizes and designs as well as highly heat-resistant designs.

braunform.com

Progressive's comprehensive product range

Components – Developer and distributor of componentry and software for the injection mould industry based in the U.S., Progressive Components, released its new v12 products catalogue at the recent NPE show in Orlando, USA.

Among the new products featured in the catalogue are various standard mould base components that complement the company’s existing line. Also, new cooling products that are readily machined and reach throughout cores that were previously not feasible are now offered as well. Also featured are Progressive’s expanded through-hardened pins for large automotive and appliance tools, advancements in mould maintenance and monitoring technology and new alignment lock configurations.

The company’s off-the-shelf standards and exclusive innovations, including many items that are said to become global industry standards, are provided via a network of direct and regional distributors throughout North America, Asia and Europe.

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