

Bio Fuel Additive improves engine performance

VpCI-705 Bio is specially formulated, biobased, biodegradable, multifunctional fuel additive to bio-fuels, produced using renewable and sustainable raw materials. Environmentally friendly product serves as corrosion inhibitor, fuel stabilizer and water emulsifier for biodiesel, diesel, gasoline, gasohol mixtures and other bio-fuels. It provides premium multiphase corrosion protection, lubricity and elastomer protection allowing better engine performance. Additive provides corrosion protection for all common engineering metals used in automotive fuel systems, including tin plated and galvanized steel, cast iron, aluminum, copper base alloys, solder, zinc and die cast alloys. It does not contain trace metals, chlorides, chromates, nitrites or phosphates. **Cortec Corp.**: 800-426-7832

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Position Monitoring System increases tool head accuracy

OTT-JAKOB position monitoring system with electronic analog sensor allows user to monitor drawbar for performance and wear. Electronic analog sensor detects position. Electric unit attached to machine controller transmits data, indicating whether tools are clamped, unclamped, or not present. System can increase tool head accuracy and longevity by monitoring cycles and hours, indicating whether tools are properly held. Because information is quickly transmitted to machine tool controls, mechanical signal rings with inductive sensors are obsolete and negative influences of signal rings at higher rpm can also be avoided. **Advanced Machine & Engineering Co.**: 815-316-5277. Tech Contact: Kris Drennen

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AV Display Mounts add functionality and flexibility

Providing enhanced functionality and design flexibility, AV-D32 Series has added Tilt and Swivel Mount (K Series), Tilt, Swivel and Single Swing Arm (A Series), and Tilt, Swivel and Dual Swing Arm (A Series), all designed with integrated positioning technology for precise control and customized operation. New display mounts offer same cycle life and display mounting capabilities as company's first generation mounts in economical, streamlined package. Each is available with wall or tabletop mounting, integrated wire management channels, and simplified design with minimal joints for cleaning. **Southco, Inc.**: 610-459-4000. Tech Contact: Rachel Pilgren

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Large Format Dispensing System handles range of top surfaces

Flexible RD 2500 combines smart workbench with built-in precision overhead servo XYZ gantry system. Mechanism is tucked in and does not add to bench width; operator has easy access from front, sides, and top, requiring less reach to center of table. T-Slot table base plate with 25 full-length slots provides ample fixturing possibilities for most applications. Under table surface, machine base is fabricated from steel tubing, ground to specified flatness. Standard machine can travel at over 32 in./sec and is available in 100 x 50 in. (2,500 x 1,250 mm) and 50 x 50 in. (1,250 x 1,250 mm) travels. Made in USA. **Dispense Works Inc.**: 815-363-3524

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Alignment Stages handle high precision applications

Low profile XY theta stages move in XY-plane and rotate around its center. Available in 12 models, in two precision grades, stages have linear travels from ± 2 by ± 2 mm (± 0.078 by ± 0.078 in.) up to ± 30 by ± 30 mm (± 1.181 by ± 1.181 in.). In addition, XY theta stages can rotate around center of XY plane up to ± 60 . Four models have solid tables sized from 100 by 100 mm (3.937 by 3.937 in.) to 200 by 200 mm (7.874 by 7.874 in.), and 8 stages, from 250 x 250 mm (9.843 by 9.843 in.) to 1,500 by 1,500 mm (59.055 by 59.055 in.), are hollow core. They can be ordered with linear encoders for closed loop operation, customized to meet specific requirements, and as complete ready-to-run alignment systems. Larger stages can handle dynamic loads to 1,323 lb. **Optimal Engineering Systems, Inc.**: 888-777-1824; 818-222-9200. Tech Contact: Joseph Hanks

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Data Acquisition Amplifier Modules operate under harsh conditions

Three new amplifier modules are added to SomatXR Data Acquisition System. SomatXR MX1615B-R has 16 individually configurable inputs for potentiometric sensors, PT 100 temperature sensors, or strain gauges in full-, half-, or quarter-bridge configurations and can measure resistance and voltage up to ± 60 V. SomatXR MX1601B-R provides inputs for measuring standardized voltage (± 60 V, ± 10 V, or ± 100 mV), standardized current (0 to 20 mA or 4 to 20 mA), and IEPE/ICP sensors on 16 individually configurable channels; each channel is electrically isolated with 24-bit delta-sigma A/D converter. Sample rates are up to 19,200 samples/s per channel; analog bandwidth is 3 kHz. SomatXR MX1609KB-R provides 16 individually configurable thermocouple channels with full isolation. Modules, with IP65/IP67 ratings, are suitable for measurements under very harsh field operating conditions. **HBM Inc.**: 800-578-4260. Tech Contact: John Sotirakos

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Plastic Labels permanently record handwritten entries

Nfi Capturite self-laminating labels let users record information by hand and permanently seal it under clear protective Mylar laminate. One-part labels, used for recording installation or inspection dates and other variable data, can be printed on white or silver Mylar base material. They are water-proof and resist most chemicals and abrasives. Featuring 3M adhesives that adhere well to various substrates, including powder coat finishes and LSE plastics, labels can be customized to specific requirements. Suitable for indoor and outdoor applications, they can be supplied in 1-in. sq to 4 x 6 in. sizes and can include words, graphics, logos, and sequential serial numbers. **Nameplates For Industry, Inc.**: 800-999-8900

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Walk-In Oven meets standard for flammable solvents

Electrically heated No. 806 is 500°F (260°C) walk-in oven, currently used for paint baking operations. With workspace dimensions of 72 in. W x 96 in. D x 78 in. H, it has 100 kW installed in Incoloy-sheathed tubular elements to heat oven chamber, while 10,000 cfm, 7-1/2 hp recirculating blower provides combination airflow to workload. Oven has 4 in. insulated walls, aluminum steel exterior/interior, removable top-mounted heating chamber, and fully insulated floor. All safety equipment required by NFPA Standard 86 for flammable solvents, including powered forced exhaust, airflow safety switch, and purge timer, is included. **Grieve Corp.**: 847-546-8225. Tech Contact: Frank Calabrese

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Compact Controller handles simple and complex applications

Offering 2- and 3-point temperature control, which facilitates on/off, heat only, heat/cool, and valve motor drive (VMD) control schemes, 1/16 DIN single loop temperature and process controller Model 6060 handles range of applications. It includes two PID sets, multiple inputs and outputs, heat/cool operation, soft start function, self-tuning startup, and optional Modbus/RTU RS485 communications. Two PID sets ensure reliable control over wide setpoint range; separate PIDs for heat and cool strategies optimize control and stability. Universal and optional input plus 4 digital inputs combined with 6 outputs provide I/O flexibility. In addition, 16 operational profiles are possible, each with 16 segments. **Chromalox**: 800-443-2640; 412-967-3800. Tech Contact: Barbara Lee

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Grooving and Parting Grades boost metal removal

WKP135, WKP235 and WKP335 grooving and parting grades introduced in combination with geometries UD4, UA4, UF4, RD4 and plunge grooving and parting geometries GD3 and CE4. Thicker Tiger-tec Silver CVD coating used with WKP grades features aluminum oxide with optimized microstructure for maximum crater wear resistance, and enhanced cutting speed due, in part, to reduced friction. Silver flank face permits wear detection and full cutting edge usage. Second generation mechanical post-treatment is used to create compressive stresses, enhancing toughness, reducing chance of cracks on cutting edge and boosting load capability and metal removal rates. **Walter USA, LLC**: 800-945-5554

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