

## PRODUCT OF THE MONTH

### ■ Ultra-thin, Single-Element Miniature Force Sensors

Pressure Profile Systems, Inc., Los Angeles, CA, unveiled the SingleTact, a high-performance miniature capacitive force sensor that delivers superior sensitivity and repeatability over resistive force sensors. It is an ultra-thin, single-element capacitive sensor that accurately and reliably quantifies forces and delivers strong performance including less than 1 percent repeatability errors with more than 3x the sensitivity of resistive force sensors.

A complete turnkey solution is available to engineers wishing to collect force data either in analog or digital configuration, while the versatile SingleTact interface board, which allows easy analog or digital I2C integration, can be customized for an engineer's own application. A choice of 6 sensor configurations is provided, including 8mm and 15mm diameter sensors and a variety of force ranges from 100 grams to 45 kg full scale. SingleTact is ideal for OEM customers wishing to provide a "sense of touch" to their products.

Standard sensor configurations can be evaluated quickly using a turnkey data collection solution featuring open source sample code for Arduino and Windows PC applications, while custom-designed sensors are available to meet specific OEM application requirements.

For Free Info, Visit <http://info.hotims.com/61059-166>



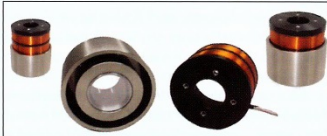
### ■ High-Powered, Fiber-Coupled, Acousto-Optic Modules

Brimrose Corporation of America, Sparks, MD, introduces a new line of high-powered, fiber-coupled, acousto-optic modules (AOMs) that can withstand up to 5W of continuous wave optical power for lasers operating at 1.06  $\mu\text{m}$  and 1.55  $\mu\text{m}$ . Other wavelengths are available on request. The AOMs offer high-speed analog or digital modulation and high repetition rates for pulse-picking applications, and are packaged in compact size enclosures.

For Free Info, Visit <http://info.hotims.com/61059-167>

### ■ Small Size Actuator Family

BEI Kimco, Vista, CA, announces its new family of linear unpowered medical-grade Voice Coil Actuators (VCAs) with aperture sizes of 15mm, 20mm, and 24.9mm. Available in three standard models, the through-hole design allows an OEM assembly to pass directly through the middle of the actuator, resulting in reduced weight, fewer parts, and a more compact product overall.



For Free Info, Visit <http://info.hotims.com/61059-168>

### ■ UV Specialty Hybrid Adhesives



Epoxy Technology, Inc., Billerica, MA, introduces its new line of UV Hybrid adhesives branded with an "HYB" prefix. The new UV Hybrid products are based on the company's widely used EPO-TEK 353ND and 301 product lines, and are

available in a range of rheologies. This UV Hybrid line allows engineers to reach new levels of production/process improvement, and affords greater design flexibility.

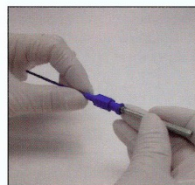
For Free Info, Visit <http://info.hotims.com/61059-169>

### ■ PCF Metering System

Graco, North Canton, OH, announces its Precision Continuous Flow (PCF) metering dispense system for critical applications of single-component sealant and adhesive materials. Engineered for automated applications, the system offers a reduced total cost of ownership when compared with competing technologies, such as shot meters. The system dispenses a precise, continuous flow, producing repeatable, consistent patterns with reduced waste and rework.



For Free Info, Visit <http://info.hotims.com/61059-175>



### ■ Luer Testing Services

Medical Murray, North Barrington, IL, a leading device development and contract manufacturing company with ISO 13485 certification and FDA registration, now provides comprehensive testing services for Luers including ISO 594 (part 1 and 2) and ISO 80369 standards. Compliance of Luer fittings to recognized standards is critical to

maintain compatibility between devices, and avoid leakage that may compromise patient safety.

For Free Info, Visit <http://info.hotims.com/61059-181>

### ■ Metal Line Switches with Multicolor Illumination

SCHURTER Inc., Santa Rosa, CA, is expanding its metal switch range to include new illumination possibilities using RGB color technology. It is now possible for piezo switch series, PSE, and mechanical switch, MCS 30, to have seven different ring illumination colors with just one switch. The multicolor illumination is powered by an integrated power supply that accepts an input voltage of 5 to 28 VDC.



For Free Info, Visit <http://info.hotims.com/61059-182>