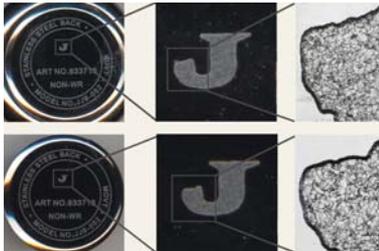


INNOVATION WATCH

"Everything that can be invented has been invented."
Charles H. Duell, commissioner, US Office of Patents, 1899

Coming in September: Readers' Choice Poll for Innovation Awards



ID SYSTEM

Authentication System, known as Fingerprint, verifies original products and immediately identifies counterfeits; no additional markings are required. It uses standard scanner to capture image of object, which is sent over Internet to secured server for comparison, via mathematical algorithms, with stored reference image. **AlpVision SA**; roland.meylan@alpvision; Tech Contact: Roland Meylan

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TEST & MEASUREMENT

RF Power Meter, hand-held Model 3500 RF for field or lab use, provides frequency range of 10 MHz to 6 GHz and dynamic range of -63 to +20 dB, enabling it to measure signals directly from device under test or through layers of cabling and fixtures. Data can be captured and transferred to computer via USB interface, allowing for trend or drift analysis. **Keithley Instruments Inc**; (800) 688-9951 (440) 498-2746; Tech Contact: Ellen Modock

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ANTIFRAUD TECHNOLOGY

Security Paper, CheckProtect, has HeatStar blue star pattern in blended thermochromatic ink. HeatStar is activated by body heat, which can be applied by rubbing finger over paper, and cannot be duplicated with copiers, scanners, and printers. User can confirm authenticity of document by observing print change from colored to colorless and back. **Boise**; (866) 221-5017 (630) 227-3433; Tech Contact: Lisa Vail

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LEAK DETECTION

Infrared Camera, ThermaCAM GasFindIR, has IR imager employing sensitive detector and cold filter to observe active leaks of VOCs such as benzene, propane, and methane. Real-time thermal images of gas leaks appear as black smoke on-screen. Images can be sent to off-the-shelf video recorder for archiving, documenting, or emailing. **FLIR Systems Inc**; (800) 464-6372 (978) 901-8105; Tech Contact: Michael Rotigliano

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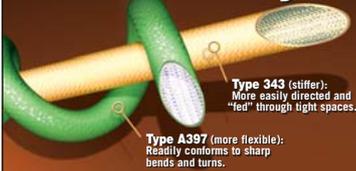
MACHINING

Fine Boring Tool, Series TruLine Tool, is constructed of composite carbon fibers epoxied to stainless steel cover or sleeve that can be final machined with insert pockets, screw holes, and wear pads. It promotes chatter-free machining up to 30,000 rpm, when combined with polycrystalline diamond guide pads and length-to-diameter ratios suited for all spindles. **Johnson Carbide Products Inc**; (989) 754-7499; Tech Contact: Richard Theriault

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