

TECH BRIEFS[®]

ENGINEERING SOLUTIONS FOR DESIGN & MANUFACTURING



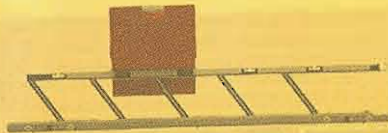
**Special Awards Section:
Meet the Engineers
Who are "Creating the Future"**

Gas Sensors Based on Carbon Nanotubes

Product Focus: Materials & Coatings

Photonics Tech Briefs

Motion Control Technology™



Photonics Tech Briefs Announces

2007 Products of the Year

The votes are in and the winners of the 2007 Photonics Tech Briefs Readers' Choice Product of the Year Awards have been selected. The three PTB Products of the Year will be presented at a special awards reception and dinner in New York City on April 22.

For each of the eight issues of PTB, the editors choose a Product of the Month. That product exhibits exceptional technical merit and practical value for our readers. At the end of the year those eight products are placed on a ballot on the PTB Web site, and our readers choose the products they feel were the most significant new introductions to the photonics engineering community in 2007.

The 2007 PTB Products of the Year are:

OPTIM Inc. (Sturbridge, MA)

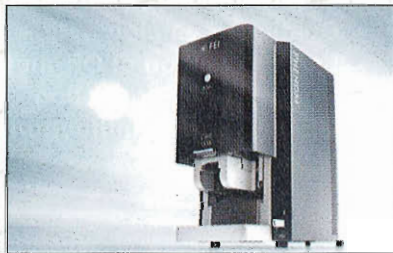
The FreedomView™ LED Fiberscope is a handheld, portable inspection device that combines a high intensity LED light source with a flexible insertion shaft that can be fully immersed in water, gasoline, and diesel fuel. The fiberscope provides fast and accurate remote imaging, enabling visual inspections of hard-to-reach places such as car engines, jet engine turbines, and cargo holds. The scope comes in 2 diameters: 4.0 mm and 6.0 mm, and 4 lengths: 20"/40"/60"/80". The 6 mm version features two-way articulation at tip with 90 degree viewing option. A video or digital camera can be attached to the scope's eyepiece to record findings for future use.



For Free Info Visit <http://info.hotims.com/15128-225>

FEI (Hillsboro, OR)

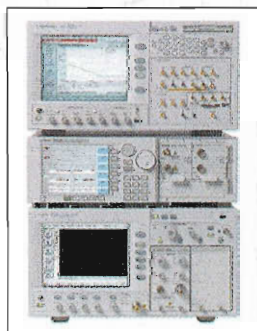
The Phenom™ microscope is capable of yielding magnification up to 20,000X — 20 times higher than most advanced optical scopes — with an ultimate resolution of 30nm. The Phenom system, which includes the imaging module; 15-inch touch screen monitor; rotary knob; diaphragm vacuum pump; single phase AC 110-240 volt, 50/60 Hz, 300W (max.) power supply; and 128 MB USB 2.0 flash drive, can accommodate sample sizes up to 25mm in diameter and 30mm high on a computer controlled motorized X and Y sample stage. Digital image detection in Light Optical mode is handled by a color CCD camera; in Electron Optical mode via a high sensitivity backscatter electron detector (multi-mode).



For Free Info Visit <http://info.hotims.com/15128-226>

Agilent Technologies (Santa Clara, CA)

The N4917A optical receiver stress test set allows users to accurately characterize and verify standard conformance of receiver optical subassemblies and transceiver modules operating up to 12.5 Gb/s. The test set provides the calibrated injection of optical modulation amplitude (OMA), extinction ratio (ER), and vertical eye closure penalty (VECP) through automation software controls. The set consists of the N4917A calibration and automation software; the 81490A reference transmitter for 1310 nm and 1550 nm single-mode wavelengths; the 81495A reference receiver; accessory kits for 10 Gb Ethernet 10GBase-LR, -ER and 10 G Fibre Channel testing; the J-BERT N4903A high-performance serial BERT; and the 86100C Infiniium DCA-J.



For Free Info Visit <http://info.hotims.com/15128-227>