

## PRODUCT OF THE MONTH

NextEngine, Santa Monica, CA, offers the Desktop 3D Scanner, a full-color multi-laser scanner that scans complex shapes for CAD and 3D design applications on the desktop. About the size of a cereal box, the scanner connects directly to a PC via USB 2.0. It operates with proprietary MultiStripe Laser Triangulation (MLT) technology that features twin arrays of four Class 1M 10-mW solid-state lasers with custom optics at a 650-nm wavelength. The scanner also features twin 3-megapixel CMOS RGB image sensors, optically synchronous RGB color texture capture, and built-in spatially diverse white-light texture illuminators. Full-color photo data is captured for each surface point, and there is no preset limit for the size of objects to be scanned. The unit has throughput of 50,000 processed points per second, and comes with an AutoPositioner™ to capture multiple surfaces of objects, and a PartGripper™ to secure objects during scanning.



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## 2006 Product of the Year Winners

The 12th annual NASA Tech Briefs Readers' Choice Product of the Year Awards were presented April 23rd at a special reception and dinner in New York City. See the June issue for photos and highlights of the awards presentation. Here are the top three winners, chosen by you, the readers of NTB:

### Dewetron

Charlestown, RI

The DA-130 ruggedized notebook computer includes the SideHAND® battery power system, allowing it to run indefinitely without any external power source. Batteries are hot-swappable, and can be exchanged even when the system is running off battery power. It features a full-length, full-size PCI slot, an Intel Pentium® CORE DUO® processor that can be configured with 1 GB or more of RAM, a fast hard drive subsystem, and integrated RAID controller.

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get object during scanning, and the system displays a real-time, on-screen image of the surface being scanned.

For Free Info Visit <http://info.hotims.com/10966-126>

### Adobe Systems

San Jose, CA

Adobe® Acrobat® 3D enables engineers to publish and share 3D design information from major CAD applications with virtually any computer user, allowing collaboration within design and manufacturing teams. Users can convert 3D designs from CAD formats into cross-platform, secure Adobe PDF files. When enabled by Acrobat 3D, suppliers, partners, clients, and other team members can use the free Adobe Reader® 7.0 software to review and add comments directly onto interactive 3D objects embedded within PDF files.

For Free Info Visit <http://info.hotims.com/10966-127>



### Z Corporation

Burlington, MA

The ZScanner™ 700 handheld, self-positioning 3D scanner can digitize 3D surfaces in real time. The scanner is part-referenced, orienting itself to the target object, rather than to an external device. This eliminates the need for fixed-position tripods, mechanical arms, or other positioning devices that must be within the line of sight of the target surface. The user can move the tar-



## Next Month in NTB

The May issue will include a feature highlighting the latest technologies in Imaging and Video. Find out how camera, display, inspection, and video system technologies are being used in design and engineering in applications such as medical, military, simulation, and training.