Subject: FW: Six New Products for Design Engineers & Managers

From: SAE International [mailto:eresponse@abpi.net]
Sent: Thursday, March 28, 2013 9:31 PM
To: Marcie Hineman
Subject: Six New Products for Design Engineers & Managers

SAE International / TECH BRIEFS

Asia Edition

Engineering E-Source

New Products for Design Engineers & Managers

Tesla Motors Boosts Capabilities with Mentor Graphics

Mentor Graphics announces electric car manufacturer Tesla Motors to use the Capital® toolset for 12-volt electrical systems design. Tesla concluded Capital® matched two key selection criteria: strong electrical system configuration control and well-established base within leading automotive wire harness suppliers.

More Information

Global Shutter 1 Megapixel Camera

SILICON VIDEO® 1M45 and 1C45 one-megapixel monochrome and color C-mount cameras provide 1280H x 960V resolution at 45 fps. Features include windowing, row skip, auto exposure control, triggered exposure, programmed exposure control, programmable pixel clock, 12 bit dynamic range, and 6.1V/lux-sec. responsivity. $395 each, board version available. Use up to four cameras with a PIXCI® SI4 frame grabber.

More Information

FRED Optimum Optical Engineering Software

FRED Optimum Optical Engineering Software is capable of simulating the propagation of light through any optomechanical system by raytracing. Whether the design is imported from CAD, a lens design program, or constructed from within the software itself, FRED provides engineers with the essential tool for virtual prototyping of optical systems.

More Information

Valveless OEM Fluid Metering Solutions

Valveless metering pumps from Fluid Metering, Inc. feature chemically inert, sapphire-hard ceramic internals, and only one moving part in contact with fluid. From microliters to liters, FMI Pumps provide 1% long-term, drift-free accuracy for medical, analytical, process & industrial instrumentation.

More Information

Verisurf-X Makes All CMMs More Powerful

Install Verisurf software and watch your manufacturing inspection productivity increase. Connects with any CMM or 3D Scanner and inspect directly to 3D CAD models with intelligent GD&T and perform first article inspections in minutes - all while maintaining CAD-based digital workflow.

More Information

Fiber Optic Encoders For MRI and Harsh Environments

Micronor MR320/MR330 series Fiber Optic Incremental and Absolute Encoders outperform RVDTs, resolvers, and electronics-based encoders in challenging motion control environments - including extreme temperatures (-60°C/+150°C), long distances (2500 meters), hazardous locations, shock/vibration, radiation, and extreme electromagnetic fields. An innovative passive sensor design offers intrinsic safety plus immunity to EMI, RFI, lightning, and ground loops. Sensor links to remote interrogator via standard 62.5/125 Duplex LC optical link and offers multiple built-in interfaces for compatibility with motion control systems.

More Information

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