CAD Chronicle

Adept 6 EDM software supports SQL

Synergis Software has announced Synergis Adept 6 engineering document management (EDM) software. It offers: SQL database support, including MySQL Classic 4.1 out-of-the box and support for Oracle 9i to track more than one million documents of any type; Major/Minor Versions to provide easy storage, retrieval and tracking of incremental versions. Adept 6 supports AutoCAD 2006, Inventor 10 and Inventor 10 Professional, SolidWorks 2005, Adobe PDF files, and bi-directional document property updating for Word and Excel 2003.
synergis.com   Circle DPN 329
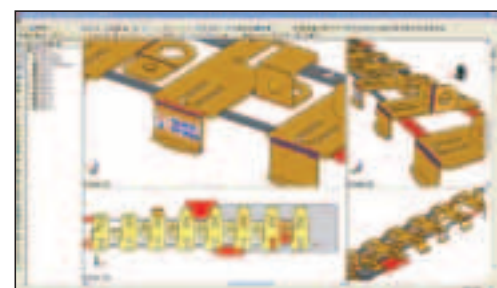
Automating reconstruction

Raindrop Geomagic has announced Geomagic Studio 8 reverse-engineering software has proven to reduce NURBS surfacing time for complex objects such as engine and transmission housings by as much as 80%. The software is used for automated reconstruction of CAD models from scanned physical parts, mass production of individualized medical devices and build-to-order manufacturing. Features include: an intuitive workflow for generating functional NURBS surfaces; and, patch optimization that helps users create accurate surface models for downstream CAD/CAM operations, engineering analysis, product prototyping and NC machining.
geomagic.com   Circle DPN 330

3D progressive die design

3DQuickTools Ltd. has tested the full capabilities of its 3DquickPress progressive die design software in SolidWorks 2006. 3DQuickPress is said to be among the first software packages that support the SolidWorks 2006 platform and its new features. Functions in SolidWorks 2006 that help tool makers include block in sketcher which allow users to combine many sketch entities into a block of geometry that will behave as a single entity. Smart Component technology in SolidWorks 2006 allows tool designers to design once any reusable parts and mounting parts features, then automate their insertion.
3dquickpress.com   Circle DPN 331
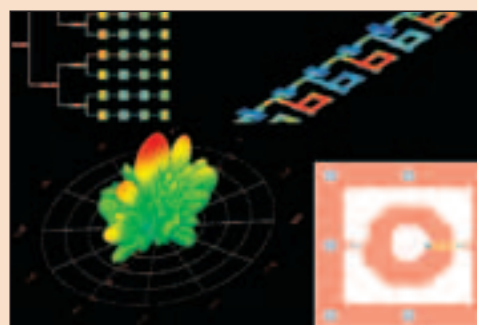
Heat-treating simulation predicts stresses

Deform-HT heat treating simulation software from **Scientific Forming Technologies Corp.** provides quantitative information on process and part-specific variables. It is said to be the first heat treating simulation package that can fully integrate its results with related predictions for upstream/downstream operations, such as material production, forming and machining. The software can predict a part's internal microstructure and residual stresses, as well as distortion, quenching stress and phase transformation.
deform.com   Circle DPN 333

3D-planar electromagnetic modeling software

Agilent Technologies has introduced a 64-bit version of Momentum, its 3D-planar electromagnetic software. The release is said to offer significantly improved accuracy, capacity and speed for design and verification of passive components and interconnects for RFIC, MMIC and PCB/hybrid/module design.
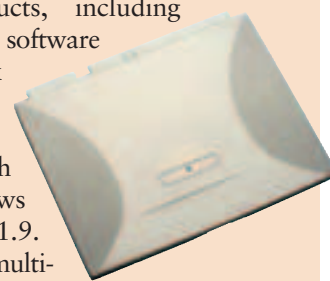**agilent.com**   Circle DPN 332

Windows printer driver for Autodesk software products

Océ has optimized support for printing from Autodesk products, including AutoCAD 2006 software and Autodesk DWF Viewer and DWF Composer, with the Océ Windows Printer Driver 1.9. For example, a multipage DWF manufacturing file prints in seconds on an Océ TDS800. The printer driver uses direct, bidirectional communication with the Océ TDS and TCS printing systems, and displays current printer and media status information. In addition, templates can be defined, re-used and shared.
oce.com   Circle DPN 334

Correction

In the June 2005 issue of *DPN*, the web site listed for Maplesoft was incorrect. The correct URL is maplesoft.com.