

## Rolling Ring linear drives

Zero backlash. Jam-proof design.



Manually slide drive using release lever

- ▶ **For positioning & reciprocating motion applications**
- ▶ **Smooth movement; ultra-low maintenance**

Uhing® Rolling Ring linear drives have zero play when the shaft is rotated – even during reversal. The threadless shaft won't clog or jam. If the system is somehow overloaded, the shaft simply slips instead of churning and grinding.

- **Example applications:** material handling machines, winding equipment, test and measurement devices, packaging & converting equipment.



- **Uhing Drives** are available separately or on shaft in custom assembly.

- **Wide range of sizes** for varying linear speeds & axial thrust requirements.

- **Simple set-up & operation**

Some models feature mechanical control over speed and travel direction – without programming or electronics.

Request a Brochure or CD-ROM

1 (800) 252-2645

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[www.amacoil.com](http://www.amacoil.com)



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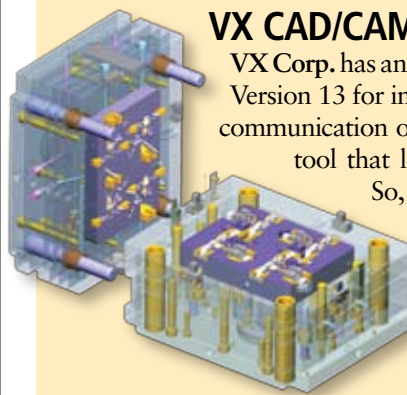
## CAD Chronicle

### VX CAD/CAM improves assembly design

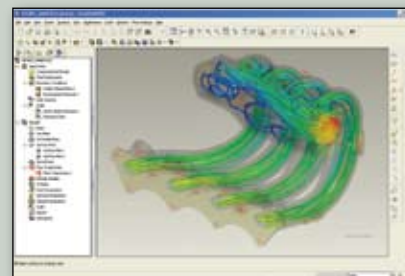
VX Corp. has announced assembly visualization tools in VX CAD/CAM Version 13 for improving the overall mechanical design process and the communication of designs. In the application, an assembly level display tool that lets users toggle the display mode of any component.

So, if a user wants to see inside a gear box or through a mold plate, instead of hiding parts, all he has to do is right-click a part and render it as transparent or wire frame. VX also allows multiple instances of the same part to be displayed differently.

[www.vx.com](http://www.vx.com)



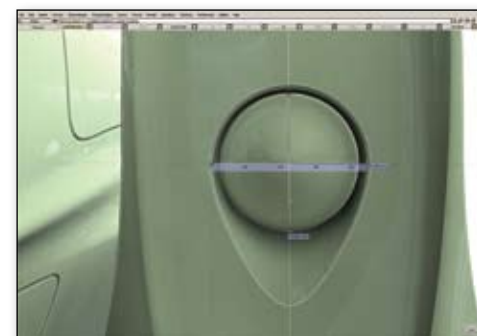
### Pro/ENGINEER Wildfire 4.0 embedded fluid dynamics



Flomerics Ltd. has announced that EFD.Pro, its embedded computational fluid dynamics (CFD) application for Pro/ENGINEER, will support Pro/E Wildfire 4.0. The CFD tool offers fluid flow and heat transfer analysis capabilities to non-specialized users. Unlike other CFD programs, EFD.Pro works directly with native Pro/E geometry – with no translation or copies – in order to keep pace with on-going design changes. The application also has the ability to examine a solid model in Pro/E and automatically detect fluid regions.

[www.flomerics.com](http://www.flomerics.com)

### Industrial design software tools expand scope



AliasStudio 2009 from Autodesk provides a suite of tools for sketching and concept visualization through to production modeling. It introduces a new Align tool, a new Mesh Hole Filling tool, a new construction plane interface, vector options integrated into tools, as well as improvements to Keypoint curve tools, surface filleting tools, Draft, Tubular Offset and Extend. Users can also measure distances using the new Dynamic Measurement tool. Included DirectConnect software permits import of Inventor part and assembly files.

[www.autodesk.com/aliasstudio](http://www.autodesk.com/aliasstudio)

## Dead-on Solutions

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### Engineering analysis and design

Maplesoft has announced the next release of Maple, software for solving complex mathematical problems and creating interactive technical documents. Included in the release is the direct connectivity between Maple 12 and CAD systems such as SolidWorks and Autodesk Inventor, extending the range of analysis on CAD models. A new collection of Dynamic Systems modeling tools for dynamic modeling, control design and signal processing are in the release. In addition, new plotting capabilities are said to dramatically simplify the creation of complex engineering plots.

[www.maplesoft.com](http://www.maplesoft.com)



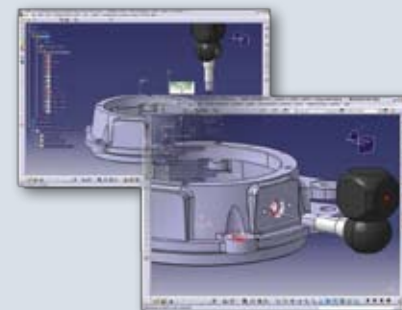
### 3D die design software



Logopress Corp., developer of Logopress 3D Die Design software, along with Accurate Die Design, Inc., have announced a new Round Draw Module that runs inside the SolidWorks-based software. The function is dedicated to the strip layout portion of the current software for 3D Die Design, and is said to produce an accurate and complete strip layout in <10 min. The module automatically calculates each intermediate stage of the strip layout and is done parametrically so changes can be made easily. The function is automatic and customizable and also automatically handles stretch web management. Material characteristics are also taken into consideration.

[www.accuratediedesign.com](http://www.accuratediedesign.com)

### Measuring and control software for CATIA



PRELUDE V5 Inspect, 3D metrology software from Mdtvision, provides an HMI identical to that of CATIA V5 and is integrated as a new CATIA workbench to eliminate data transfer issues as it directly uses CATIA V5 native models. The functional spectrum of the product is said to be very wide, since it is almost at the same level than Prelude Inspection version 7.

[www.creaform3d.com](http://www.creaform3d.com)