

OneSpace Data Adapters

GOélan™ CAM Adapter *hyperFACT*™ CAM Adapter Open CAM Adapter

The 3D CAM Adapters increase collaboration across teams by automatically leveraging the process model's machining information when generating NC routines. This introduces dramatic productivity gains and cost savings in the design and manufacture of parts to be machined.

Accessing Knowledge

The 3D CAM Adapters together with OneSpace Designer Modeling's Machining capabilities bring clear gains to both design and manufacturing teams designing and developing parts to be machined. This is achieved through a unique combination of specialized design for manufacture capabilities, CoCreate's advisor technology, and direct adapters to key CAM solutions, like GOélan and *hyperFACT*.

Machining: Key Benefits

The Machining capabilities of OneSpace Designer Modeling include built-in Design for Manufacture knowledge, which ensures that fundamental design flaws are avoided. Designers can quickly and accurately add preferred machining features, receiving on-line guidance, and warnings about any manufacturing violations in the design.

Machining: Highlights

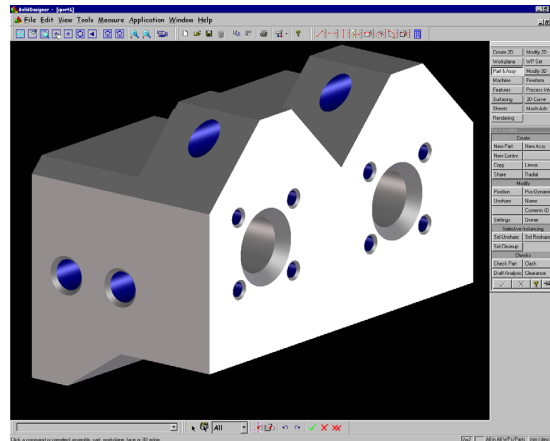
To improve design productivity, Modeler's Machining capabilities offer an extended, powerful, and intuitive design environment tuned for machined parts.

Preferred machined features include:

- Counterbore holes
- Blind holes
- Countersunk holes
- Flat blind holes
- Threaded blind holes
- Threaded through holes

They include all information such as tolerances and multi-stage tool selection.

The automated transfer of the machining features to key CAM solutions reduces the manufacturing team's workload and guarantees that design teams use preferred machining features. The transfer is through tuned 3D CAM Adapters. Output adapters are available for GOélan and *hyperFACT*.



In addition, an open format enables other CAM solutions to interface directly with OneSpace Designer Modeling.

Design for Manufacture

In addition to improving manufacturability through recommending preferred tools, advisor technology ensures that fundamental design flaws are avoided. OneSpace Designer Modeling proactively checks each machining step and provides the designer with immediate guidance.

Checks include:

- Minimum distance from feature to an existing feature or edge of material.
- Topological checks, for example ensuring that no material blocks the path of the drilling tool.

The designer receives clear warnings and guidance about potential manufacturing problems during the design stage.

Companies can tailor the Machining module to reflect their preferred parameters of the features, the preferred non-geometric attributes.

Direct Integration with Machining

Together with the 3D design, non-geometric information like tolerances can be communicated directly to CAM solutions. Each direct CAM Adapter is tailored to the specific CAM solution, offering complete and reliable communication of all manufacturing information.

OneSpace Data Adapters

GOélan CAM Adapter *hyperFACT* CAM Adapter Open CAM Adapter

Key Benefits

Communicating non-geometric manufacturing information enables manufacturing engineers to avoid the time consuming, manual and error prone definition of the machining features and their tolerance information within the CAM solution.

Tailored to key CAM solutions, the 3D CAM Adapters guarantee complete and reliable interoperability between OneSpace Designer Modeling and the target CAM solution.

System Requirements

OneSpace 2002 and later.

Runs on the same platforms as OneSpace Designer Modeling:

- HP-UX® 11.0/11i (ACE 1199)
- Windows NT™ 4.0
- Windows 2000™
- Windows XP™ Professional

GOélan is a registered trademark of CN Industries
hyperFACT is a registered trademark of OPEN MIND Technologies AG
Windows 2000, Windows XP, and Windows NT are registered trademarks of Microsoft Corporation.
HP-UX is a registered trademark of Hewlett-Packard Corporation.

Ordering Information	
GOélan CAM Adapter	C670
GOélan CAM Adapter Support	C670A
<i>hyperFACT</i> CAM Adapter	C680
<i>hyperFACT</i> CAM Adapter Support	C680A
Open CAM Adapter	C690
Open CAM Adapter Support	C690A
Prerequisites	
Modeling	C200
Electronic manuals are available on the OneSpace media.	

Co|Create

For more information, please contact the following CoCreate offices or visit
www.cocreate.com
www.cocreate.com/eSupport

Germany
Phone: +49 (7031) 951-0

**United Kingdom
and other European countries**
Phone: +44 (1789) 778549

USA
Phone: +1 (970) 267-8000
Toll free: +1 (888) CoCreate

France and Spain
Phone: +33 (1) 69189-113

Italy
Phone: +39 (02) 924425-21

Singapore
Phone: +65 (550) 9665

Japan
Phone: +81 (42) 352-5654

All rights to this documentation, including duplication, distribution and translation rights, are reserved.
Right of technical modifications reserved.
© CoCreate Software GmbH & Co. KG, 05/02

C670-690_E_2002+