

## OneSpace Designer - Modeling

Developed for designers to easily and quickly design, OneSpace Designer Modeling is a 3D design solution encouraging innovation and helping design better products faster. Its unique Dynamic Modeling technology offers full freedom in creating, detailing, and changing designs.

### Product Features

#### Dynamic Modeling

- Complete assembly, solid, surface, and wireframe 3D modeling
- Real-time 3D design changes with direct drag-and-drop techniques
- Advanced assembly handling: top-down and bottom-up

#### Sheet Metal Design

- Design sheet metal parts in 3D
- Create and modify bends and lips including reliefs
- Animated 3D folding and unfolding and automated 2D flat creation

#### Machining Features

- Integrate machining features into the design
- Real-time validation during the design process
- Receive pro-active design advice
- Direct CAM output

#### Surfacing

- Creation of sculptured shapes
- Sweeping, lofting, and helix creation

#### Associative Drawing Creation

- Automated creation of standard compliant 2D drawings from 3D
- 3D design changes are reflected in 2D drawings associatively
- Export to downstream manufacturing processes through DXF, DWG, IGES, and MI, the native format of OneSpace Designer Drafting

#### Drafting

- Modeling includes Drafting, CoCreate's solution for 2D design
- Fast and intuitive creation of professional 2D technical drawings
- Drafting can be optimized for a company's product development processes through its powerful customization interfaces.

#### Process Information

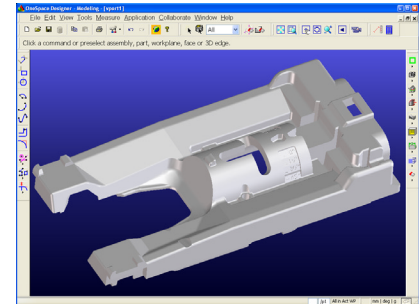
- Additional non geometric information like
  - Notes, analysis results and 3D Dimensions
- Leveraged in 2D drawings, or viewed in 3D Access

#### Data Exchange

- Designs can be used as if they were native OneSpace models
- Import and Export via STEP, IGES 3D, SAT, and IDF.
- Export as VRML and STL
- Automatic integrity check and repair

#### Additional Optional Modules

- including
- Model Manager, to organize, track, and manage design data
  - Sheet Metal, Design-for-Manufacturing tool for sheet metal design
  - Advanced Design, provides a broad range of advanced design capabilities, including Inspection, GD&T definition, Mold Design, design simplification, part and assembly parameterization
  - Surfacing, for designers who need to create ergonomic surfaces
  - Design Analysis, offering FE analysis, stress levels, displacements, and resonant frequencies of designs
  - Mold Base, to create up the mold base assembly, including 14 commercial component catalogs, cooling system definition, etc



#### Ordering Information

Modeling	C200
Modeling Support	C200A

#### Prerequisites

None

#### System Requirements

OneSpace Designer Modeling 2004

Supported platforms:

- HP-UX® 11.0/11i (ACE 1199)
- Windows® 2000<sup>T</sup>
- Windows® XP professional

For more information, please visit:

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

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