

# ThinkDesign Styling



## The perfect tool for high quality design

ThinkDesign Styling offers an innovative approach to design. With its Target Driven Design, it frees users from the technological constraints of traditional design systems. With ThinkDesign Styling, designers first set targets, either points, curves or even the exact highlight they want to get on an object, then focus on the product shape, anyway they want, and transform the project into a model that includes all technical and engineering aspects while preserving the original design intent. It is possible to create a preview of every shape deriving from a modification made with GSM<sup>3</sup> (Global Shape Modeling) and select the required one only. It enables higher creativity levels while increasing and enhancing design processes. In addition to traditional creation and modification functionalities, ThinkDesign Styling's rich capabilities include powerful tools such as Global Shape Modeling, Capping, Blending Curves and Blending Shapes, Associative Global Sweep, as well as Dynamic Morphing, Automotive Grid and Rendering.

### Image Importation

It is possible to include in the work area 3D images in standard graphic formats from scanners or graphic processing applications. These images can be used as basic sketch to build the required shapes or curves to realize the shape while preserving the designer's creative intent.



### GSM<sup>3</sup> Global Shape Modeling and GSM<sup>3</sup> Zone Modeling

Think3's Global Shape Modeling, now called GSM<sup>3</sup>, provides designers a very high level of technological innovation with unrivalled ease of use. It is currently the only creation and modification tool that enables to make changes in a quick and accurate way in any stage of the design process, accelerating interactions with unlimited creativity and eliminating the need to rebuild models. This innovative technology can be applied either locally and subsequently, removing the limitations of traditional modeling programs. With the benefits of solid modeling and the flexibility of free shaped surface models, it is possible to make extremely creative and accurate changes to any kind of shape, both native and imported, ensuring a full and faster associativity compared to traditional approaches.

### GSM<sup>3</sup> Reflection Highlight

It eliminates the need to build and rebuild models. The user defines the required highlight on the object and think3's technology automatically builds the shape. This unique solution allows to modify a shape by changing the reflection light on the shape itself.

### Rake Sweep

In the wider Touch and Design project context ([www.kaemart.it/touch-and-design](http://www.kaemart.it/touch-and-design)), which will allow to work with a virtual rake on virtual clay, this control enables the creation of high quality surfaces that simulate the movement of the rake on the clay. It is a unique instrument for achieving high quality shapes simulating the clay modeling techniques typical of car industries.

## Adaptive measures

Its powerful and intuitive measuring capabilities pull dimensional values from other components, eliminating the need of parallel calculations or the creation of reference spreadsheets, allowing greater creativity while saving time.

## Real Time Dynamic Rendering

It enables working on a model with an unrivalled level of realism. For example, by applying the GSM<sup>3</sup> functionality to a rendered model it is possible to view the resulting change in real time. In addition it enables the mapping of the surrounding environment in different modes, while textures can be applied to surfaces by means of various options.



## 2D/3D/PLM Transparency

ThinkDesign Styling offers a single design environment with 2D/3D/PLM (Product Lifecycle Management) transparency, eliminating the need of expensive 2D/3D interfaces. ThinkDesign Styling's best-in-class 2D and 3D environments, ensure extremely high interoperability levels. In addition, ThinkDesign Styling perfectly integrates with thinkPLM, think3' PLM application suite that enables users to generate BOMs or perform data searches.

## 2D and 3D Translators

ThinkDesign Styling provides 2D translators for DWG, DXF, IGES and GBG Draftmaker, as well as 3D translators for IGES, STEP, STL, VDA, VRML, WaveFront, IV, ThinkDesign's neutral format and ASCII. Other think3 translation platforms (available separately) support most proprietary 3D formats as well as the two-way conversion of Catia V5, Pro/E and Parasolid files. A two way converter for Catia V4 files is also available (2D included).

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### System requirements for ThinkDesign Styling Minimum

- Vista™, XP Professional x64 Edition, XP Professional/Home SP2 or higher, Microsoft® Windows® 2000 professional/Server SP4 or higher
- Intel® Pentium 4 2 GHz or equivalent SSE2-enabled processor for AMD systems
- 1 GB System memory (RAM), 1.5 GB for Vista™
- 1 GB Virtual memory (paging)
- 600 MB Hard disk space for a typical installation
- 64 MB OpenGL™ 1.4 Graphics Accelerator
- Microsoft® .NET Framework Version 2.0
- Microsoft® Internet Explorer 6.0 SP1 or higher

### Suggested

- Vista™, XP Professional x64 Edition, XP Professional/Home SP2 or higher, Microsoft® Windows® 2000 professional/Server SP4 or higher
- Intel® Pentium 4 2.4 GHz or equivalent SSE2-enabled processor for AMD systems
- 1.5 GB System memory (RAM), 2 GB for Vista™
- 2 GB Virtual memory (paging)
- 600 MB Hard disk space for a typical installation
- 128 MB OpenGL™ 1.4 Graphics Accelerator
- Microsoft® .NET Framework Version 2.0
- Microsoft® Internet Explorer 6.0 SP1 or higher

### Speech system

- Sound board (Sound Blaster suggested)
- Headphones, microphone or other audio devices (PC Microphone HEADSET Anc 500 EU suggested)

### Supported special input devices

- Motion controllers:
- 3Dconnexion (SpaceBall® 5000, SpaceTraveler™, SpaceMouse®, CadMan®)

**think3**<sup>®</sup>

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