I-DEAS® Freeform Light

entry level reverse engineering and basic surface modeling technology

I-DEAS Freeform Light provides application-driven solutions in the areas of basic freeform product design, rapid surfacing, high-quality surfacing, reverse engineering, computer aided verification, polygonal modeling, rapid prototyping, class-1 surfacing and surface healing. It enables customers to design, accurately build, and fully inspect high-quality, freeform shaped products in less time.

Focused on general surface modeling applications, I-DEAS Freeform Light is a powerful and intuitive surface creation tool for direct creation of freeform surfaces from curves, surfaces, or measured data. The flexible design environment supports both Bezier and Nurbs surface patch layout. Dynamic surface modification tools allow design changes to be explored interactively to immediately visualize the aesthetic and engineering implications of the design. Design, engineering and manufacturing criteria are respected throughout the surfacing process enabling true "capture" of the original design intent.

I-DEAS Freeform Light's creation tools offer a mechanism for developing anything from rapid and reverse engineering surfaces to high-quality surfaces required for manufacture. Strong polygonal modeling tools offer the flexibility to explore, create, modify and build basic mold designs – supporting output for Rapid Prototype. Efficient continuity management tools maintain surface-to-surface transitions up to curvature. This eliminates tedious manual work while maintaining the natural, creative workflow.

Linking the world of flexible freeform design and styling with proven part design and data management capabilities is achieved through the "I-DEAS Freeform Surface Feature" which provides a new level of integration with I-DEAS. This provides the complete solution that ties the physical world with the electronic math model insuring that design intent is maintained throughout the entire process.

Note: High-end surface modeling functionality, surface diagnostics and evaluation tools are NOT included in the I-DEAS FreeForm Light product (see a Sales representative for a specific I-DEAS Freeform Light functionality breakdown).

Prerequisite
None

For More Information
For more information, contact your local SDRC representative or call 1-800-848-7372.

SDRC