SOLIDWORKS Industrial Designer

OBJECTIVE
SOLIDWORKS® Industrial Designer is a role on the Dassault Systèmes 3DEXPERIENCE® platform. The apps in the SOLIDWORKS Industrial Designer role allow users to create organic looking shapes typical of industrial design applications and collaborate with others on the 3DEXPERIENCE platform, using a collection of data management, collaboration and community apps.

The modeling apps in the SOLIDWORKS Industrial Designer role allows users to generate and manage multiple design concepts and improve productivity with quick “what-if” scenarios. The collaboration apps in the SOLIDWORKS Industrial Designer role can be leveraged to socialize ideas with all stakeholders.

SOLIDWORKS Industrial Designer delivers a truly collaborative design environment where users can connect their whole ecosystem—management, design team, customers and suppliers—to a single, cloud-based, business and product development platform.

OVERVIEW
Traditional parametric design tools are not well-suited to creating smooth, flowing, organic shapes. Industrial designers require specialized tools to meet this need. Also, modern workflows call for collaboration between stakeholders spread over time and space, resulting in longer design processes. SOLIDWORKS Industrial Designer is created to address these problems.

BENEFITS
• Single modeling environment allows much greater flexibility.
• Intuitive concept sketching capabilities enable fast and natural concept creation for iterative concept definition.
• 3D designs evolved from 2D using push-and pull freeform Sub-D tools.
• Freeform Sub-D modelling to enable fast and easy complex shape and form creation.
• Traditional parametric solid and surfacing.
• Easy access for all members of the design team, ensuring that they always have the latest design data.
• Web-based collaboration tools for everyone to review the live design data, add their comments and create digital markups.
• Design review data retained to help capture what was done and why.
• Direct editing tools to allow users to modify imported models with much greater efficiency and to modify native parametric models without restrictions. History-based features not impacted by the changes are retained.
• Secure, cloud-based storage and on-premises solutions for customers’ data storage needs.
• Employees, customers and vendors access data from a single source.
• High-quality rendering based on a best-in-class rendering engine.

CAPABILITIES
SOLIDWORKS Industrial Designer combines the technological strength and depth of the Dassault Systèmes 3DEXPERIENCE platform with the SOLIDWORKS ease of use and productivity. This collaborative framework accelerates the pace of design and reduces cost. SOLIDWORKS Industrial Designer is built upon four pillars:
• Conceptual: Users develop and express design ideas the way they want, enabling them to present and sell them directly in a digital model.
• Instinctive: Design the way users think—capture concepts digitally and develop solutions without constraints.
Our 3DEXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes’ collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 220,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.

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