

Product Fact Sheet

	solidThinking 8.5	solidThinking 8.5 Inspired
Trial Request	<i>To request a free 30-day trial, visit www.solidThinking.com.</i>	
Background	<p>solidThinking 8.5 is the user-centric, NURBS-based 3D industrial design software that helps designers invent, explore and evaluate new ideas easily, rapidly and cost-effectively, without the limitations of traditional software. Designers can model, render and share their models on the fly, from architecture and automobiles to electronic devices, jewelry, product packaging, yachts and more.</p>	<p>solidThinking 8.5 Inspired™ is a software environment developed to help designers, architects and concept engineers exercise their creativity to the maximum. It adds inspirational computation capabilities to the solidThinking 8.5 design tools suite, including morphogenesis™ form-generation technology that allows the capability to explore virtually countless forms and shapes and identify possible breakthrough scenarios, independently and collaboratively.</p>
Key Features	<ul style="list-style-type: none"> • Restyled and simplified user interface enabling better workflow. • Enhancements to “Round” modeling tool. • New “Face Extract” modeling tool for the creation of new surface objects by extracting faces of existing objects. • More shortcuts, construction aids, sort and selection filters. • Dramatically faster and higher-quality environment mapping and interactive visualization. • Real-time photorealistic rendering that integrates raytracing and progressive rendering to obtain a more realistic representation of lighting and materials; new ready-to-render lights and interior sets. • Enhanced materials library with more than 300 new "apply-and-render" materials; increased selection of background images, environments and glossy materials. • Enhanced anti-aliasing techniques for real-time rendering. • Reflection Catcher, which adds reflection below the model in a photorealistic rendering when the model is added to a back plate image. • Best-in-class ConstructionTree™; users can change their minds at any point in the design process. • Simultaneous parameter editing and control-point editing; even when finely sculpting a surface by editing, users need only revise a few control points. 	<ul style="list-style-type: none"> • All core capabilities available in solidThinking 8.5. • Ability to run morphogenesis™ form generation technology on multiple model parts and materials and leverage the results to stimulate designs. <ul style="list-style-type: none"> ○ Create design space models or import and manipulate them from other modeling systems. ○ Define environments around the models (setting forces, supports, torques, etc.). ○ Grow efficient shapes in response to environments and form controls. ○ Results can be used as loosely or literally as users wish while formalizing designs. • Define parts as design or non-design space. • Show design space and morphogenesis results simultaneously for full review of the form generation. • Read, write, modify and share legacy CAD data in all widely-used CAD formats • Measure static weight distribution of parts and assemblies on supports. • Faster, more intuitive part manipulation through smart snaps. • Simple push and pull capabilities for turning 2D sketches into 3D design spaces.

Compatibility	<ul style="list-style-type: none"> • Compatible with all leading CAD/ CAM/ CAE software, helping to accelerate product development and improve collaboration between designers and engineers. Updates include: <ul style="list-style-type: none"> ○ New direct import for several native formats including H3D Reader, SAT (ACIS), Catia V4, Catia V5, Parasolid (x_t and x_b), Pro/ENGINEER, SolidWorks and UGS NX – all at no additional cost. ○ New export capability for Parasolid native format (x_t and x_b). ○ Increased import and export capability for IGES, STEP and STL. • Available on Mac and Windows operating systems.
Industries Served	Architecture, interior design, furniture, electronics, packaging, lighting, jewelry/timepieces, yachts, clothing, footwear, automotive and other specialized sectors. Click here or visit http://tinyurl.com/2aee5bf to read how customers rely on solidThinking to design innovative products.
Key Customers	Automotive Lighting, Azimut Yachts, Bottega Veneta, Brosway, Bulgari, Diesel, GE Healthcare, Hugo Boss, Korg, Mares, MacGregor Golf, Merck, Nestle, Oneida, Panerai, Peg Perego, Pelikan, Pininfarina, Safilo, Scavolini, Thomson, Tisettanta, TokyoFlash, Volvo and others.

Corporate Information

About: solidThinking, Inc. develops and markets industrial design/styling software that helps designers invent, explore and evaluate new ideas easily, rapidly and cost-effectively, without the limitations of traditional software. solidThinking is a wholly owned subsidiary of Troy, Mich. (USA)-based Altair Engineering, Inc. (<http://www.altair.com>). Altair Engineering is privately held and employs more than 1,400 in North America, South America, Europe and Asia/Pacific.

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Mario Mazzardo, vice president of product strategy and management
Jim Hassberger, vice president of business development and customer relations
James Dagg, vice president of software development

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