

Autodesk®
Alias® Surface

Perfect your designs.



Master Complex Shapes

Model high-quality production surfaces with speed and control. Autodesk® Alias® Surface software, part of the Autodesk solution for Digital Prototyping, gives you all the advanced surface creation tools you need to create high-quality surfaces ready for manufacturing.

Image courtesy of Daniel Simon, Cosmic Motors



Facing these issues?

- To stay competitive, designers have to produce quality designs faster than ever before
- Precision surface modeling functionality is needed to be competitive
- Need to handle large model scan data workflows
- Need to create production quality surfaces

Discover how Autodesk Alias Surface helps you create high quality production surfaces

Perfect Your Designs

Define inspiring and ergonomic shapes that meet functional requirements, with the powerful tools in Autodesk® Alias® Surface software. Alias Surface helps you sculpt 3D models to achieve the perfect union of aesthetics and engineering. Power your creative process with industry-leading curve-based and direct modeling tools that help you fine-tune designs in a single software environment, in less time.

Communicate Your Vision

Alias Surface makes it easy to create highly realistic models. You can shade and light models to communicate your design vision more clearly, and confirm that your surfaces meet exacting standards. Reviewers can evaluate high-quality imagery that reflects a range of materials and colors. The result is quick and confident design-review decisions—without time-consuming renderings.

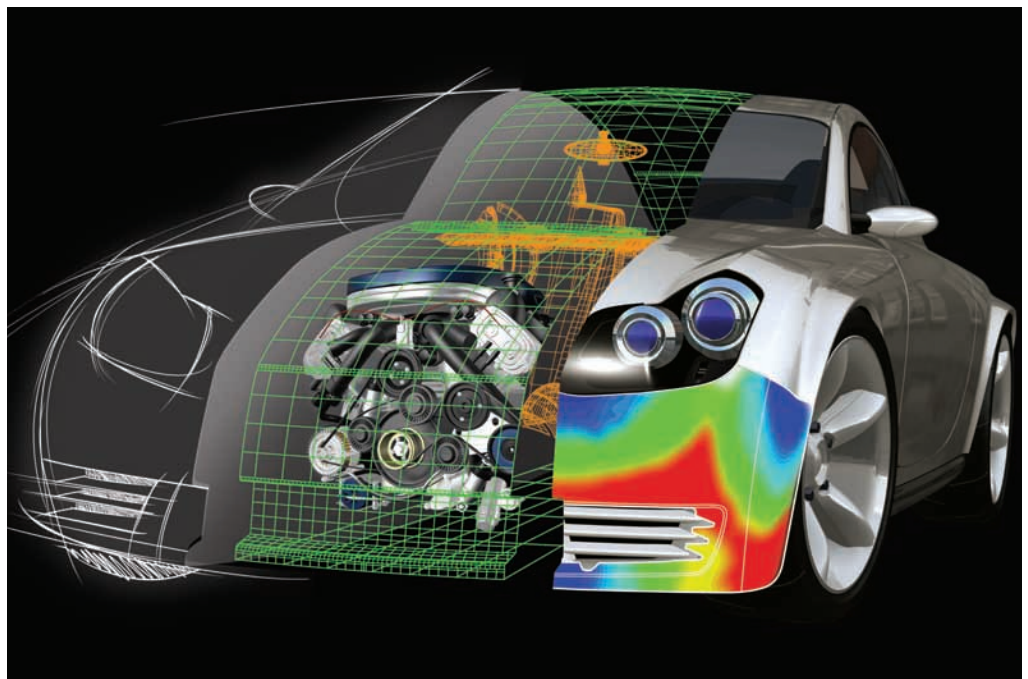
Speed Up Processes

When engineering teams need to redo surfaces, it delays projects and can result in unintended changes to your models. Alias Surface supports a highly streamlined workflow that lets you control design intent further in the product development process. You can exchange design data with engineering CAD software, such as Autodesk® Inventor® software, to preserve design integrity. And you create such high-quality, Class-A surfaces in Alias Surface that engineering teams don't need to recreate them.

Specialized Design Tools

Alias Surface offers a full set of dynamic modeling capabilities for shape development, refinement, and control. The software's functionality helps meet your requirements for:

- Design modeling
- Precision surfacing modeling
- Reverse engineering
- Visualization and communication
- Process integration
- Productive environment



Autodesk Alias Product Line

Autodesk Alias Design

Autodesk® Alias® Design, part of the Autodesk solution for Digital Prototyping, is for consumer product designers who control the entire design process—from ideation to the final surfaces that are passed to engineering. It enables designers to rapidly develop and communicate product design concepts using sketches, illustrations, photorealistic renderings, and animations.

Autodesk Alias Surface

Autodesk® Alias® Surface software, part of the Autodesk solution for Digital Prototyping, offers a full set of dynamic 3D modeling capabilities that enable virtual modelers to evolve concept models and scan data into high-quality production surfaces for consumer product design and Class-A surfaces for automotive design and styling.

Autodesk Alias Automotive

Autodesk® Alias® Automotive software, part of the Autodesk solution for Digital Prototyping, is an industry-leading application for automotive design and styling and the choice of leading automotive styling studios throughout the world. The software provides a comprehensive set of visualization and analysis tools for the entire shape-definition process, from concept sketches through Class-A surfacing.

Task	Deliverables	Product
Creation and Communication of Design	<ul style="list-style-type: none"> • Sketches • Illustrations • 3D concept models • Production models • Rapid prototypes • Visualization • Animation 	Autodesk® Alias® Design
Advanced Surfacing and Reverse Engineering	<ul style="list-style-type: none"> • Scan Data • Class-A Surfaces • Reverse Engineering • Advance Evaluation • Rapid Prototypes • Visualization 	Autodesk® Alias® Surface
Transportation Design	<ul style="list-style-type: none"> • Scan Data • Modified scan data • Class-A Surfaces • Reverse Engineering • Advance Evaluation • 3D concept models • Rapid prototypes • Visualization • Sketches • Illustrations • Animations 	Autodesk® Alias® Automotive

