



create
what's
next > TM

Design|**Studio**®

Studio™

Auto|**Studio**™

Surface|**Studio**™

Alias|Wavefront™ StudioTools™

The best choice for industrial design software

Alias|Wavefront is the world's leading developer of industrial design software for the product design and transportation markets, helping designers to design better products and to bring them to market faster.

StudioTools is a scalable software solution, starting with DesignStudio as the entry-level conceptual design system, progressing to Studio, and then to AutoStudio as the top-of-the-line product with all of the options. Each product provides designers with a comprehensive suite of tools that enables complete integration throughout the entire design process from concept sketches through engineering and manufacturing.



Image courtesy of
Dua Xiong, Alias|Wavefront.



StudioTools is fun to use, easy and productive, with tools familiar to an artist such as markers, airbrushes and clay.

Michael Sagan
Industrial Designer
Advanced Concept Group
Trek Bicycle

*Bicycle image courtesy of Trek Bicycle.
Drill image courtesy of Martti Lemieux,
Alias|Wavefront. Coffee Bean Roaster
image courtesy of Richard Walters,
Brooks Steven Design Associates.*

Key functionality in the StudioTools family includes:

Integrated Paint – Tools that allow designers to use a skill that they all have, sketching, within their 3D design package. StudioTools is the only 3D design software with integrated paint and sketch tools.

Modeling – A feature-rich modeling toolset allows designers and modelers to efficiently transform any imaginable form into a 3D model with unsurpassed control and quality.

Animation – Using moving pictures is an effective way to visually communicate ideas as well as save time and money in the design process by reducing the need for physical prototypes to evaluate designs.

Rendering – Create photo-realistic renderings of concept models for presentation.

Integration – Industrial designers need the flexibility to use any number of digital tools throughout the design process. Our solutions integrate elegantly with the society of technologies that are the standards for digital creation and visualization.

Efficient User Interface – An intuitive UI speeds workflow for experienced users and accelerates the learning curve for new users. Our patented marking menu technology uses context-sensitive gestures to perform menu selections much more rapidly than with conventional menus, enabling designers to “fly” without stifling their creative flow. Most aspects of the UI such as hot keys, tool shelves and marking menus can be customized to suit the user’s workflow, further enhancing productivity.



*Image courtesy
of Alias|Wavefront*

“StudioTools is a key ingredient in our ability to work more effectively with marketing, to work more effectively with engineering and put out a better product faster and capture more market share as a result.”

Alistair Hamilton, V.P., Industrial Design, Symbol Technologies, Inc.

Product Design

Around the world designers use Alias|Wavefront StudioTools software to produce award winning consumer product designs for everything from laptop computers, sporting equipment, cell phones and medical equipment to children's toys and fashion accessories. Alias|Wavefront software solutions can improve your design process, reduce your time to market and help you win business.

Software for Product Designers

DesignStudio™ is an entry-level conceptual design system for building and visualizing freeform organic designs. DesignStudio presents our industry-leading 3D modeling and visualization tools in one package. Industrial designers can create mathematically accurate objects as easily as freeform organic shapes. It enables the evaluation and refinement of designs while visualizing the models. DesignStudio allows you to present designs in the best possible light with photorealistic renderings and animations, all within a single creative environment.

DesignStudio is a complete design package, including integrated painting and sketching, modeling, animation and photorealistic rendering capabilities.

StudioTools is excellent for surface development. This helps us get exactly what we envisioned when developing features such as the 'light spear' on the side of the hood.

*Jeff Christian,
Project Manager,
Henry Dreyfuss Associates*



Image courtesy of Henry Dreyfuss Associates and Deere & Company.

Advanced software for Product Designers

Studio™ delivers a sophisticated, intuitive environment in which to build freeform models and accurate machineable surfaces. It provides advanced design tools for precision surfacing, with powerful conceptual modeling and rendering capabilities, all in one integrated package.

Studio delivers all of the functionality in DesignStudio plus additional functionality for the creation of highly refined and ultra-high quality geometry. More control over geometry is provided using higher order geometry. Additional controls in surface creation tools enable the automatic creation of high quality curvature continuous geometry, saving time while creating the quality required by the most demanding designers.



*Image courtesy
of Dua Xiong,
Alias|Wavefront.*



We've been using Alias|Wavefront software since 1991 and, from the outset, were enthusiastic about the natural way it allows us to create a three-dimensional model from scratch. With AutoStudio, initial ideas and concepts can be modeled digitally thanks to the flexible tools built into the software and, as the concept gradually takes shape and its details are refined, we are able to display onscreen a highly realistic model without having to go to the expense of producing a physical prototype.



Giuseppe Randazzo, Designer and Director, Styling Division, Pininfarina Research and Development

Automotive Design

Used by virtually all automotive manufacturers, AutoStudio™ is the industry standard for automotive design and styling. AutoStudio provides transportation designers both the freedom and flexibility for total creativity, and the precision and accuracy of CAD software. This is the industry's best technology for designing, 3D modeling, rendering and engineering integration. AutoStudio provides a comprehensive suite of tools that enable complete integration throughout the entire shape definition process, from concept sketches through Class-A surfacing.

Software for Automotive Design

AutoStudio is the culmination of design technology developed at Alias|Wavefront which includes all of the functionality in DesignStudio and Studio plus advanced modeling tools such as Global Deformation for manipulating groups of surfaces and tools for working with cloud data from 3D scanners. AutoStudio also includes sophisticated evaluation features for interactively verifying the aesthetic and objective quality of complex models.

Software for Class-A Surfacing

SurfaceStudio is a technical surfacing product for the development of Class-A surfaces. It offers advanced modeling and reverse engineering tools, real-time diagnostics and scan data processing technology. It provides a complete suite of tools for creating surface models that meet the stringent levels of quality, accuracy and precision required in automotive styling.

Direct Connect Products

The optional Direct Connect products enable the efficient exchange of data between StudioTools and CAD products from a number of leading CAD vendors. When used in conjunction with the vendor-specific Construction Option presets in StudioTools, data can be used directly in the CAD environment, eliminating rework, saving time and preserving design intent.



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Global Customer Services

Global Customer Services offers multiple training solutions designed for novice, intermediate and advanced users of the StudioTools family of software. The Training and Education team can provide a learning plan that meets your specific requirements. Whatever the training budget, solutions are available to help maximize the value of your software investment.

Products range from self-study learning materials such as books and CD-ROMs, to certified training courses, custom training and consulting. All developed to meet the workflow challenges in today's market place.

There was a clear return on investment taking the Surface Studio Fundamentals course. Shortly after taking the course, I recovered from a 2-week late production schedule and what used to take 2 days to model I can now model in 2 hours. Not only am I modeling more efficiently, I'm now creating much higher quality surfaces, which helps the entire production pipeline. – *Michael Sagan, Trek Bicycles*

Certified Training

Alias|Wavefront offers a variety of certified training courses delivered by qualified instructors – Alias|Wavefront's own product specialists and application engineers. Designed to demonstrate StudioTools' best practices, certified training courses offer real-world production workflows and take into account the broad needs of designers.



This book is absolutely fantastic! I'm very impressed with the step-by-step tutorial format and the activities covered here are tremendously valuable. The book is full of nuggets of knowledge that can be assimilated quickly and immediately incorporated to dramatically enhance presentations and workflow.

*Robert "Bud" Kolich
Director R&D Technical Services
Fisher Price*

Consulting

Consulting Services includes customized training programs to address specific training needs, custom engineering to modify the software and workflow development to help modify processes to incorporate all the advantages of the StudioTools family of products.



StudioTools is the most powerful
industrial design software available.

For information about supported hardware and software configurations for StudioTools,
see the Qualification Charts available at www.aliaswavefront.com.

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