Product Descriptions

Autodesk Alias Family of Products
Individual Product Descriptions

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. The choice of leading automotive styling studios throughout the world, Alias Automotive software provides a comprehensive set of modeling, visualization, and analysis tools for the entire car design process, from concept sketches through Class-A surfacing. With an advanced workflow, the software helps automotive companies produce design iterations quickly, reduce rework and bring cars to market faster.

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 into high-quality production surfaces for consumer product design and Class-A surfaces for automotive design and styling. Alias Surface software enables designers to efficiently handle large amounts of scan data and create such high-quality surfaces that engineering teams don’t need to recreate them.

Autodesk Alias Design
Autodesk® Alias® Design, part of the Autodesk® solution for Digital Prototyping, is 3D product design software for industrial designers who control the entire creative process, from ideation to the final surfaces that are passed to engineering. Designers can create production-quality geometry and easily share it with engineering CAD applications, enabling collaborative product development. Alias® Design provides industry-leading sketching, modeling, and visualization tools that help you create the innovative designs consumers want—faster than your competition.
Product Description

Autodesk® Vault data management software helps securely organize, manage and track data for design and engineering groups. Enjoy more control over design data with change and revision management capabilities. With Autodesk Vault, you can quickly find and reuse design data, for easier management of your design and engineering information. Whether your team sits in the same office or across multiple sites, Autodesk Vault helps you collaborate more effectively and share information with other departments, maximizing the value of your design data. Autodesk Vault technology is deeply integrated with Autodesk design applications, including AutoCAD®, Autodesk® Inventor®, Autodesk® Revit®, and the new Autodesk® PLM 360, making it easier to manage data and processes throughout the entire project lifecycle.
Product Description

Autodesk® Inventor® software takes manufacturers beyond 3D to Digital Prototyping by giving engineers a comprehensive and flexible set of tools for 3D mechanical design, simulation, tooling, visualization and documentation. With Inventor software, engineers can integrate 2D AutoCAD® drawings and 3D data into a single digital model, creating a virtual representation of the final product that enables them to validate the form, fit, and function of the product before it is ever built. Digital Prototyping with Inventor software enables you to design, visualize, and simulate products digitally, helping you to build better products, reduce development costs, and get to market faster. (100)
Autodesk Simulation Design for Manufacturing (DFM)

What is it?

Autodesk Simulation Design for Manufacturing (DFM) helps product designers create digital prototypes with manufacturability in mind. DFM works within your existing 3D CAD system to provide directional feedback on manufacturability, costs, and sustainability as you design. DFM can evaluate every design decision relating to your injection molded plastic part, as you make it.

DFM is powered by “Moldflow”.

![DFM software interface with Moldflow integration](image-url)
Product Description

The free* Autodesk® Inventor® Fusion Technology Preview showcases intuitive direct manipulation capabilities for unrivaled ease of use, provides direct modeling for rapid design changes without limitations, and unites direct and parametric workflows within a single digital model created in Autodesk Inventor. This updated technology preview of Inventor Fusion offers two new exciting capabilities:

- **Surfacing support**! Users can now work seamlessly between solids and surfaces, expanding their confidence and capabilities to tackle design changes. By enhancing the existing translators to read surface data and adding new Parasolid, Rhino, IGES and AliasDesign .wire file import capabilities user have access to an even larger number of design formats.

- **Simplification wizard**. Simulation users now have one button simplification of designs. This makes simplifying common geometry fast and easy and ensures that mesh and solves times are as fast as possible.

- **Ease of use improvements**. New marking menus, sketch ease of use and modeling ease of use, make this release of Inventor Fusion the easiest to use yet. Did we mention it was easy?

Inventor Fusion Technology Preview 2013 is fully interoperable with AutoCAD and Autodesk Inventor software, enabling customers to choose the modeling approach that is right for the task at hand.
Autodesk Simulation Mechanical software provides fast, accurate, and flexible mechanical simulation tools to help predict product performance, optimize designs, and validate product behavior before manufacturing—minimizing reliance on costly physical prototypes and getting innovative products to market faster. Support for multi-CAD environments, extensive finite element modeling tools, and built-in material libraries help manufacturers study products earlier, more often, and in greater detail. Easily exchange data with most CAD software tools, Autodesk Simulation Moldflow plastic injection molding simulation tools, and Autodesk Vault data management software. Make better design decisions earlier in the product development process with Autodesk Simulation Mechanical software.
Product Description

Autodesk® Simulation CFD software provides fast, accurate, and flexible fluid flow and thermal simulation tools to help predict product performance, optimize designs, and validate product behavior before manufacturing—minimizing reliance on costly physical prototypes and getting innovative products to market faster. Easily explore and compare design alternatives and better understand the implications of design choices using an innovative Design Study Environment and automation tools. Autodesk Simulation CFD software supports direct data exchange with most CAD software tools and Autodesk® Showcase® 3D presentation and visualization software. Make better design decisions earlier in the product development process with Autodesk Simulation CFD software.
Product Description

Autodesk® Showcase® real-time 3D presentation and rendering software enables architects, designers, engineers, and managers to quickly and easily transform 3D CAD data into compelling imagery, movies, and immersive presentations that can be used for interactive design reviews, marketing imagery, and sales pitches. Showcase users can bring their designs to life and explore design variations in real time, helping to accelerate the approval loop. The 2012 release features accelerated raytracing, optimized support for Autodesk® Inventor® 2012 software—including Autodesk Materials and animated Inventor constraints—real-time geometry-on-geometry shadows, non-photorealistic effects, “smart” walk-throughs, and task wizards helping simplify common workflows.

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Product Description

Autodesk® Inventor® Publisher is innovative, easy-to-use software for creating and sharing highly-visual and interactive 2D and 3D technical documentation that explains and differentiates your products. Inventor Publisher extends the power of Digital Prototyping beyond engineering, making it easy for anyone to work directly with 3D CAD data to create animated assembly instructions, operating procedures, repair instructions, and more. You can even publish to iPhone® and iPad™ mobile devices – so your customers have the instructions they need, right at their fingertips. Inventor Publisher can help you increase competitive advantage by reducing documentation and service costs, accelerating time to market, and delivering a superior customer experience. (104)
Serious Simulation Power of the Cloud
Cloud Simulation Changes Everything.

Autodesk Simulation 360
Powerful simulation software solutions from A-Z are now available in the cloud.

Now you have flexible access to Autodesk® Simulation software on demand to better predict, optimize, and validate your designs early in the product development or Building Information Modeling (BIM) process. With the capability to simulate many different design configurations in parallel, combined with anywhere, anytime access and Autodesk® 360 platform and cloud services, Autodesk® Simulation 360 makes design and engineering simulation more accessible and you more competitive.
Autodesk PLM 360

The Next Generation Cloud Based Alternative for PLM

Autodesk is transforming product lifecycle management with an affordable, easy-to-use, and simple-to-deploy PLM solution that makes the benefits of PLM available to anyone, anytime, anywhere. Autodesk® PLM 360 is a total PLM solution for the entire enterprise and includes engineering, business process management (BPM), program and project management, new product introduction (NPI), and quality and compliance capabilities. For companies of any size, Autodesk PLM 360 helps to streamline your business processes for more efficient product development, improved profitability, and higher product quality.

- **PLM from Autodesk**—Experience a modern PLM solution from your trusted partner.
- **PLM for everyone**—Extend the reach of PLM to your entire organization.
- **PLM instantly**—Product lifecycle management in the cloud means that you can get up and running in minutes to days, not months to years.
- **Highly configurable**—Autodesk PLM 360 puts your people in the driver’s seat, enabling a PLM solution that works the way you do.
- **Easy to use**—The Autodesk PLM 360 experience is just like browsing a website, whether from your desktop or on a mobile device.

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