

Autodesk® Product Design Suite

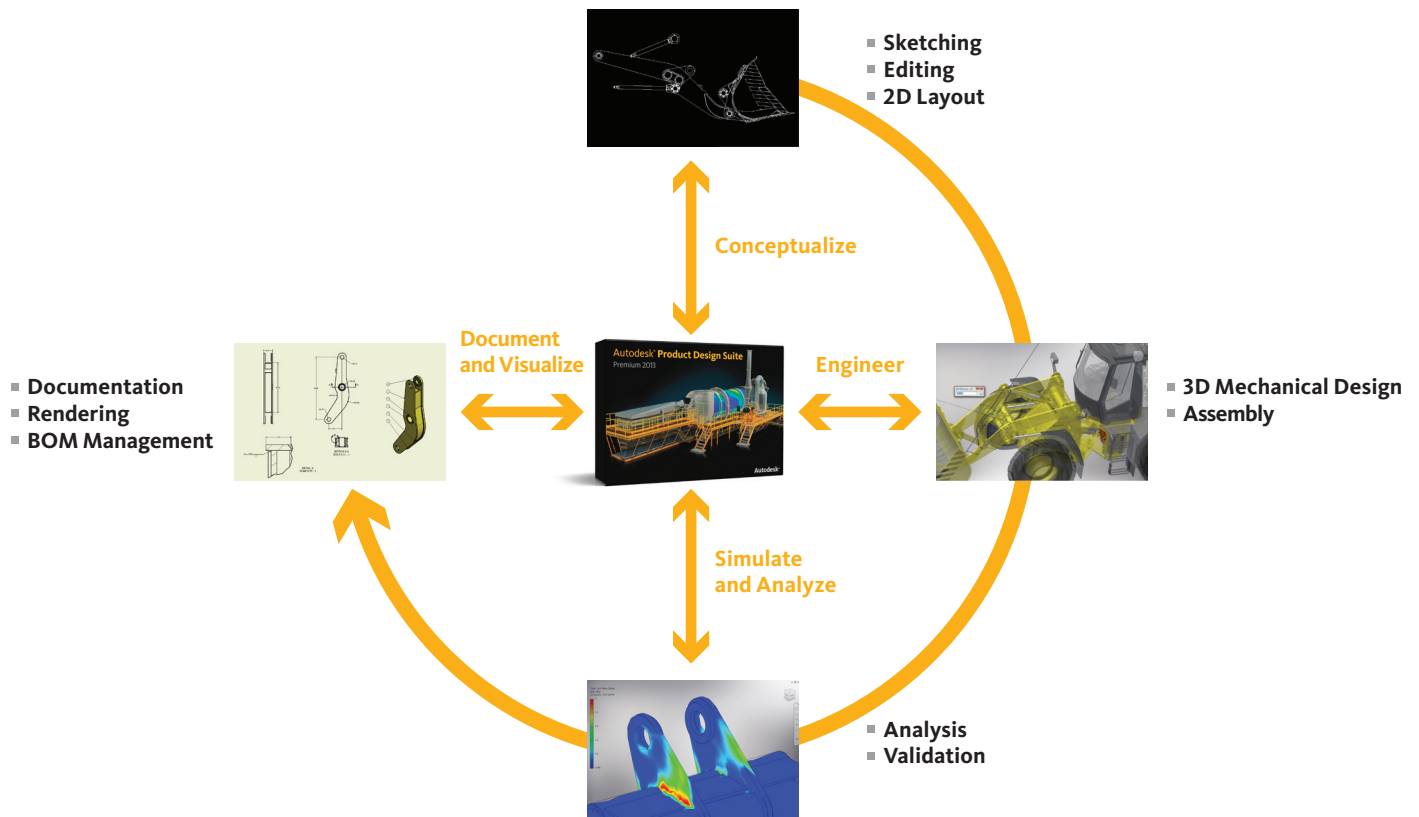
Make innovation your
competitive advantage.



Rendering of the RS1500™ sulphur granulator using rotating drum technology. Autodesk® Inventor® Professional and Autodesk® 3ds Max® software products were used in the design process. Image courtesy of Brimrock Group Inc. and Mechanix Design Solutions Inc.

Design Remarkable Products in a Complete Digital Prototyping Workflow

Autodesk® Product Design Suite facilitates engineering productivity, makes design validation part of the ongoing engineering process, helps create better internal and external collaboration, and extends engineering data for sales and marketing of your product.



Autodesk® Product Design Suite 2013 is a comprehensive solution for Digital Prototyping, delivering 3D design, visualization, and simulation tools to complete your entire engineering process. The Digital Prototyping capabilities of Product Design Suite can help you design better products, reduce development costs, and get to market faster.

Drive Innovation

Develop more innovative designs with an integrated suite of tools that help to seamlessly transfer information and meet the demands of each phase of engineering, from design through simulation and visualization. Integrate industrial design aesthetics into your products using a wide range of modeling tools, giving your products a competitive edge.

Design Without Boundaries

With a broad set of easy-to-use, interoperable design tools, your engineering design teams can work more creatively and manage their processes more efficiently. As ideas move from concept to engineering, the need to remodel concepts is minimized as engineers can work from conceptual designs. And with everyone using a common set of tools, you improve collaboration across all phases of development.

Improve Product Quality and Lower Costs

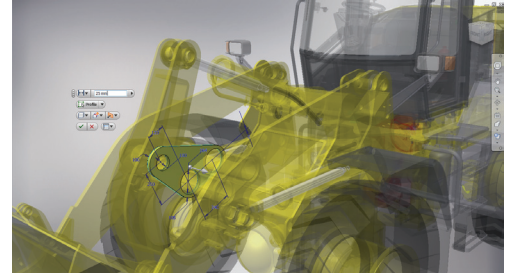
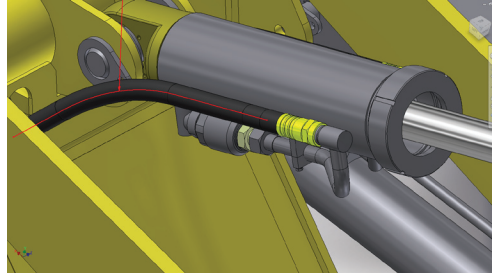
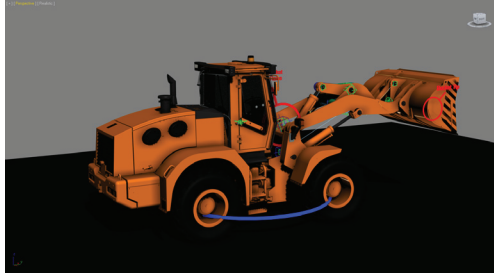
Optimize and validate product performance before the product is built. With cloud-based Autodesk® 360 services and integrated simulation tools, Product Design Suite helps you reduce the chance of errors, validate design intent through the entire process,

and select low-cost, low-impact materials to aid in sustainability. Tight integration with the 3D design software helps make it cost-effective to use simulation throughout the design process.

Collaborative Data Management

Avoid duplication of effort and manage your entire design data through an integrated data management system. Autodesk provides centralized data management software that enables workgroups to securely store and manage work-in-progress design data and related documents. This enables a streamlined change management system, accurate BOM, and the ability to share digital models with your team, customers, and suppliers.

Innovate Designs, Collaborate Across Teams, and Create Compelling Presentations



Autodesk® Product Design Suite Ultimate 2013

- Autodesk® Inventor® Professional
- AutoCAD® Electrical
- AutoCAD®
- Autodesk® Navisworks® Simulate
- Autodesk® Alias® Design
- Autodesk® 3ds Max® Design
- AutoCAD® Mechanical
- Autodesk® Vault Basic
- Autodesk® Showcase®
- Autodesk® SketchBook® Designer
- Autodesk® Mudbox®

Autodesk® Product Design Suite Premium 2013

- Autodesk® Inventor® with Routed Systems
- AutoCAD® Electrical
- AutoCAD®
- Autodesk® 3ds Max® Design
- AutoCAD® Mechanical
- Autodesk® Navisworks® Simulate
- Autodesk® Vault Basic
- Autodesk® Showcase®
- Autodesk® SketchBook® Designer
- Autodesk® Mudbox®

Autodesk® Product Design Suite Standard 2013

- Autodesk® Inventor®
- AutoCAD®
- AutoCAD® Mechanical
- Autodesk® Vault Basic
- Autodesk® Showcase®
- Autodesk® SketchBook® Designer
- Autodesk® Mudbox®

Communicate Design Ideas

Use Autodesk Product Design Suite to more easily generate and share production-ready documentation from a validated digital prototype, helping reduce errors and deliver designs in less time. Turn your design data into photorealistic renderings and cinematic-quality animations, helping give you the edge over your competition and provide visually stunning design concepts to customers. Enhance engineering design review and collaboration by integrating supply chain data to create complete large-scale digital mock-ups.

Integrated Electrical and Mechanical Design

Product Design Suite helps mainstream manufacturers realize the full benefits of mechatronics by enabling them to quickly create and easily maintain a single, digital model. This model connects mechanical and electrical teams by bringing together design data from all phases of development for use across all disciplines. Because the digital model simulates the complete product, engineers can better visualize, optimize, and manage their design before producing a physical prototype.

Available in Standard, Premium, and Ultimate editions, Autodesk Product Design Suite includes some or all of the following software (refer to the sidebar for a specific breakdown of each edition).

Autodesk Inventor

Create an accurate 3D digital prototype in less time with Autodesk® Inventor® software, the widely preferred 3D mechanical design software.

Autodesk Inventor with Routed Systems

Take advantage of Autodesk Inventor with additional tools for designing routed systems, including complex tube and pipe runs and electrical cable and harness design.

Autodesk Inventor Professional

Build on the power of Autodesk Inventor for engineering design and manufacturing with Autodesk® Inventor® Professional software, which includes tools for advanced product simulation, routed systems design, and tooling creation.

AutoCAD Mechanical

Accelerate the creation and revision of mechanical drawings with AutoCAD® Mechanical software, providing all the functionality of AutoCAD®

software plus a complete set of mechanical design productivity features.

AutoCAD Electrical

Use AutoCAD® Electrical software to help accelerate the creation of electrical control systems by automating electrical engineering tasks and providing comprehensive symbol libraries.

Autodesk Showcase

Use Autodesk® Showcase® software to quickly transform your AutoCAD and Inventor data into compelling imagery, movies, and interactive presentations, helping improve the design review process, secure internal buy-in, and win competitive bids.

Autodesk SketchBook Designer

Explore design concepts and produce stunning illustrations with Autodesk® SketchBook® Designer software, which enables you to paint and draw in the industry's ultimate digital sketchbook.

Autodesk Alias Design

Autodesk® Alias® Design software enables you to incorporate industrial design aesthetics into your digital prototypes and create production-ready surfaces with the same flexible modeling tools used by the world's most successful automotive and consumer product manufacturers.

Autodesk Navisworks Simulate

Integrate multiple model sources to help improve team collaboration, simulate construction sequencing, and enhance project review with Autodesk® Navisworks® Simulate software.

Autodesk 3ds Max Design

With Autodesk® 3ds® Max Design software, create cinematic-quality renderings and 3D animations to market and sell your products, reducing the need for costly physical prototypes and photo shoots.

Autodesk Mudbox

Use 3D digital sculpting to develop forms and shapes with Autodesk® Mudbox® software.

Autodesk Vault Basic

Gain more control over your design data with Autodesk® Vault Basic software for managing design creation, simulation, and documentation processes.

Thanks to Autodesk design and visualization technology, we can move fluidly on each project within a single environment from initial sketch through delivery of the product.

—Xavier Allard
Vice President
Design and Style

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Autodesk Education

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