

Experience your design
before it's built.

**Autodesk®
Inventor®**



Autodesk®

Make Digital Prototyping Your Competitive Advantage

Industry experts are championing Digital Prototyping as a way to validate design ideas and accelerate the development of competitive products in a cost-effective way.

Facing these issues?

- Product design teams need to increase innovation in existing and new designs while reducing the time to market.
- Designers are interested in the benefits of Digital Prototyping but worried about losing investments in existing DWG™ design data.
- Designers need to optimise product performance and make accurate design decisions without building physical prototypes.
- Downstream users require rapid creation of production-ready drawings.
- Designers can't easily find and re-use designs.
- Piping and wiring designs take too long to develop.
- Need to design complex moulded plastic parts and create the tooling required to manufacture them.

Learn how Inventor can help you take advantage of a Digital Prototyping workflow to design and build better products in less time.

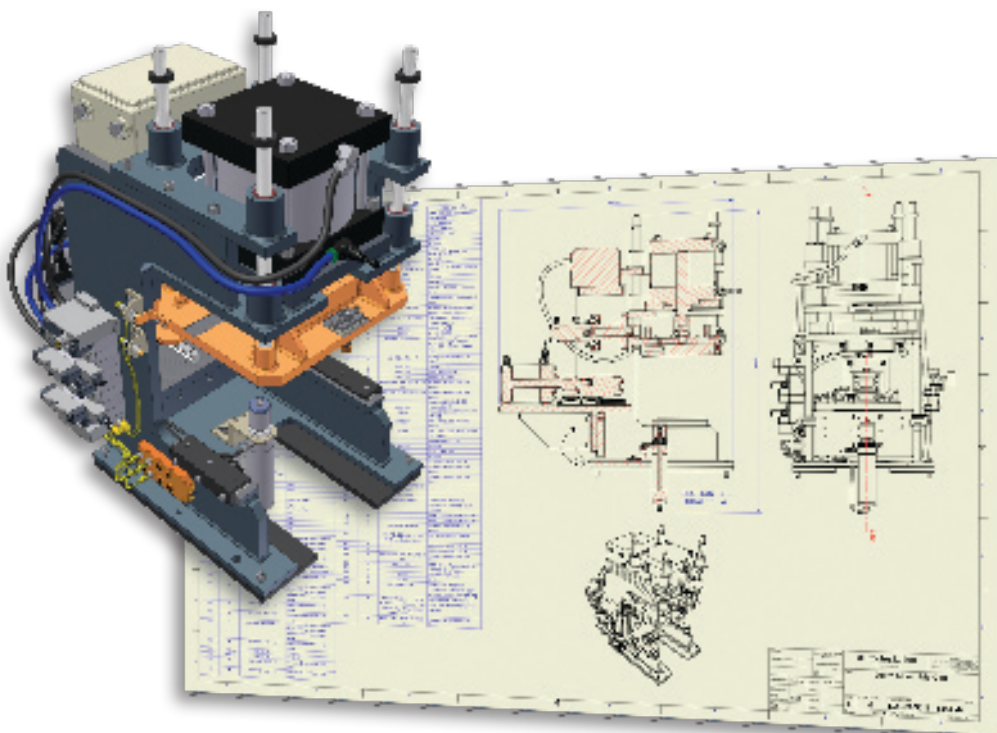
The Autodesk® Inventor® product line provides a comprehensive and flexible set of software for 3D mechanical design, simulation, tooling creation and design communication that helps you take advantage of a Digital Prototyping workflow to design and build better products cost-effectively and in less time.

Autodesk® Inventor® software is the foundation of the Autodesk solution for Digital Prototyping. The Inventor model is an accurate 3D digital prototype that enables you to validate the form, fit and function of a design as you work, minimising the need to test the design with physical prototypes. By enabling you to use a digital prototype to design, visualise and simulate your products digitally, Inventor software helps you communicate more effectively, reduce errors and deliver more innovative product designs faster.

Design and Validate Your Products Digitally

Autodesk Inventor software products include an intuitive parametric design environment for developing initial concept sketches and kinematic models of parts and assemblies. Inventor software automates the advanced geometry creation of intelligent components, such as plastic parts, steel frames, rotating machinery, tube and pipe runs and electrical cable and wire harnesses. It helps reduce the geometry burden so you can rapidly build and refine digital prototypes that validate design functions and help minimise manufacturing costs.

Traditionally, validating the operating characteristics of a design before it was built usually meant hiring expensive specialists. But with Inventor software, you don't need to be a simulation expert to effectively simulate and optimise designs digitally. The Inventor product line includes easy-to-use and tightly integrated part and assembly-level motion simulation and stress-analysis functionality. By simulating stress, deflection and motion, you can optimise and validate your design under real-world conditions, before the product or part is ever built.





Streamline Mould Design

The Autodesk Inventor product line includes automated mould design tools that work directly from Inventor 3D models of plastic parts. Powered by Autodesk® Moldflow® plastic flow analysis tools, Inventor can help to optimise your design for mouldability and minimise the number of mould iterations.

Improve Design Communication and Collaboration

Reduce errors and associated engineering change orders before manufacturing by generating manufacturing documentation directly from your validated 3D digital prototype. Inventor offers rapid and accurate output of production-ready drawings directly from the 3D model. Inventor product bundles also include AutoCAD® Mechanical software for situations that require a high-productivity 2D mechanical drafting tool.

Inventor is tightly integrated with Autodesk data management applications, enabling the efficient and secure exchange of design data and promoting earlier collaboration between design and manufacturing workgroups. Different workgroups can manage and track all components of a digital prototype with free* Autodesk® Design Review software – the all-digital way to review, measure, mark up and track changes to designs – allowing for better re-use of crucial design data, management of bills of materials (BOMs) and collaboration with other teams and partners.

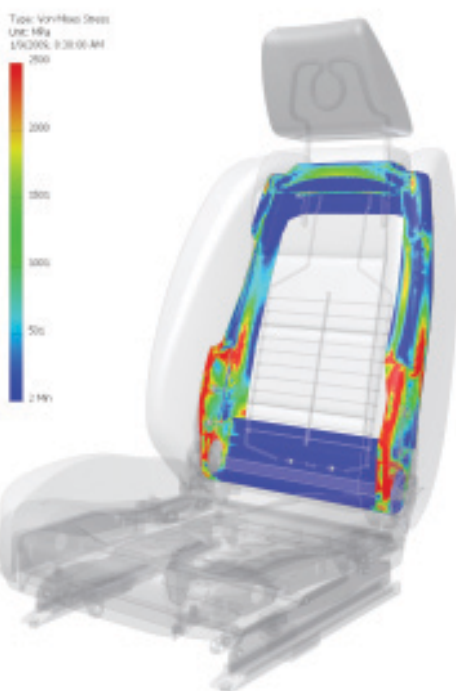
With different product configurations that offer specific levels of functionality to fit your design needs, Autodesk is intensely focused on helping you create accurate digital prototypes and bring better products to market faster at less cost.

AutoCAD Users: Move beyond 3D to Digital Prototyping.

With Autodesk Inventor software, you can easily integrate AutoCAD® and 3D data into a single digital model to create a virtual representation of the final product.

Inventor software helps you realise the benefits of Digital Prototyping by providing direct read and write of native DWG™ files, so there's no risk of inaccurate translations.

Taking advantage of valuable DWG data with Autodesk Inventor software can help you compete more effectively, provide a better service to your clients and do more in-house.



Digital Prototyping for the Manufacturing Market

Autodesk is a world-leading supplier of engineering software, providing companies with tools to experience their ideas before they are real. By putting powerful Digital Prototyping technology within the reach of mainstream manufacturers, Autodesk is changing the way manufacturers think about their design processes and is helping them create more productive workflows. The Autodesk approach to Digital Prototyping is unique in that it is scalable, attainable and cost-effective, which allows a broader group of manufacturers to realise the benefits with minimal disruption to existing workflows, and provides the most straightforward path to creating and maintaining a single digital model in a multi-disciplinary engineering environment.

Learn More or Purchase

Access specialists worldwide who can provide product expertise, a deep understanding of your industry and value that extends beyond your software purchase. To purchase Autodesk® Inventor® software contact an Autodesk Premier Solutions Provider or Autodesk Value Added Reseller. To locate the reseller nearest you, visit www.autodesk.co.uk/reseller.

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*Free products are subject to the terms and conditions of the end-user license agreement that accompanies download of the software.

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