

Geomagic Design Version Comparison

Geomagic® Design™ Elements empowers you to use basic CAD functionality to generate models, where Geomagic® Design™ applies more extensive options like Motion Simulation and Assembly.

Functionality	Design™	Design™ ELEMENTS
3D Model Creation	●	●
2D Documentation Creation	●	●
2 Standard Part Libraries	●	●
Photorealistic Rendering	●	●
Surfacing Tools	●	
Sheet Metal Modeling	●	
Part-Family Creation	●	
Direct Editing Toolset	●	
Document Management	●	
Motion Simulation	●	
Comprehensive CAD Format Support	●	

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About 3D Systems

3D Systems is a leading provider of 3D content-to-print solutions including 3D printers, print materials and on-demand custom parts services for professionals and consumers alike. The company also provides CAD, reverse engineering and inspection software tools and consumer 3D printers, apps and services. Its expertly integrated solutions replace and complement traditional methods and reduce the time and cost of designing new products by printing real parts directly from digital input. These solutions are used to rapidly design, create, communicate, prototype or produce real parts, empowering customers to create and make with confidence.



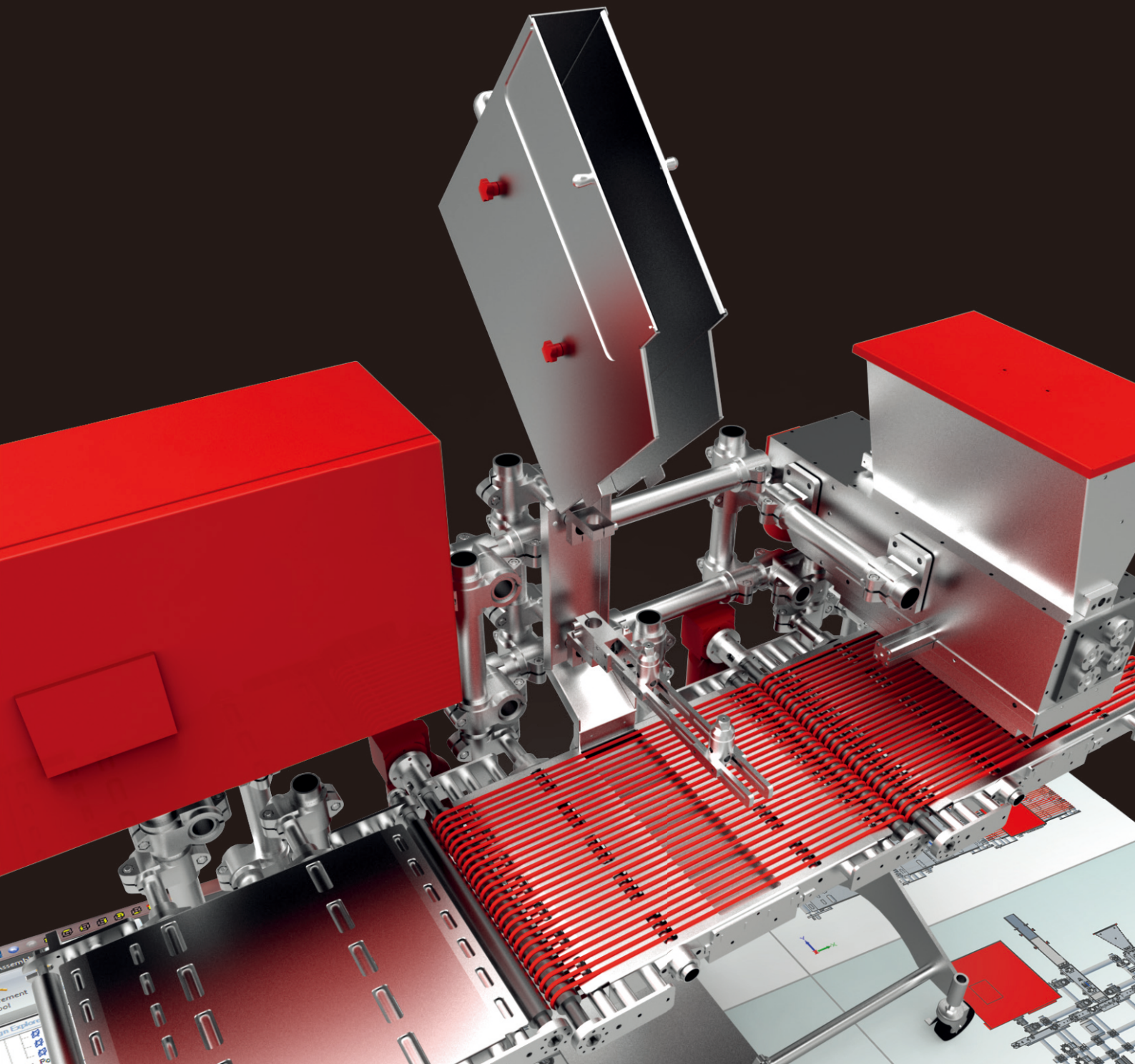
3DSYSTEMS®



Geomagic® Design™

Geomagic® Design™ ELEMENTS

Get to Market Faster with Better Products at a Lower Cost





Geomagic® Design™

Geomagic Design (formerly Alibre) empowers your business to take product design and manufacturing to the next level.

Get to Market Faster

Empowering your business to get to production faster is crucial. Geomagic Design delivers efficiency from your first idea sketch to making product brochures to tracking orders. It's an all-in-one solution streamlined to help you deliver.

Make Better Products

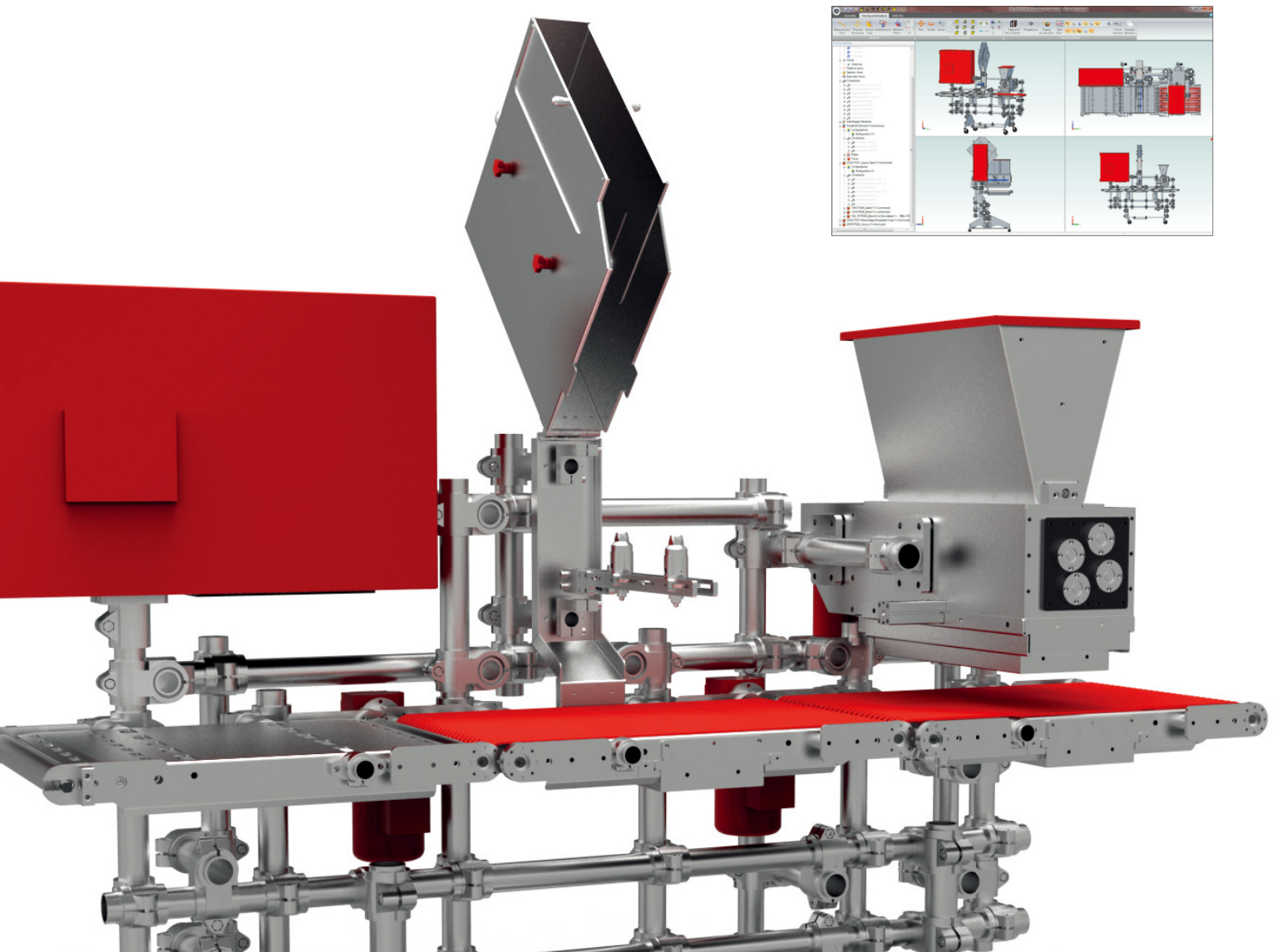
Turning ideas into the best products they can be is why you're in business. Turning ideas into the best products is why you're in business whether than means making them lighter, faster, stronger, less costly, more beautiful, less wasteful, or all of the above. Geomagic Design's creation environment provides you the tools to design, analyze and refine your product until it's perfect.

Achieve Lower Development Costs

No more fighting your design environment. Geomagic Design works with your engineering, marketing, sales and management teams. Benefit from incredible ease of use that boosts productivity without sacrificing power. Design, communicate and iterate more easily and faster than ever before. Need a part to fit within an existing design? Scan it and design around it.

Learn and Work as Fast as You Think

Every aspect of Geomagic Design's interface is purpose-built for speed. Applicable commands appear at the mouse when you need them. The customizable interface, environment and hotkeys let you work the way you want. Create and modify with ease. The interface is rich with helpful, visual tips on what various tools do and how to use them. You'll be productive in hours, not months.



Get to Market Faster with Better Products at a Lower Cost

Product Design

3D Model Creation

Create full 3D digital prototypes of your products. Make assemblies fast with drag-and-drop constraint creation, and see how your assembly will move and interact before producing physical prototypes. Instantly find out important physical details such as weight, moment of inertia and volume. Create intelligent files that house entire families of similar parts. A huge part library with standard components lets you focus on innovation rather than rework.

2D Documentation

Rich, powerful and efficient, Geomagic Design's overhauled 2D drafting tools enable comprehensive detailing of your digital prototypes for manufacturing-ready documentation. Automation tools, such as the dimension cleanup wizard, place your dimensions perfectly. A greatly expanded detailing and view creation toolset makes 2D documentation a breeze.

Create Large Designs

Create designs with thousands of components. Geomagic Design has the power to create almost any product you can think of.

Sheet Metal Design

Designing components that are created from sheet good requires a unique toolset. Geomagic Design's dedicated sheet metal module can tackle complex sheet metal designs with ease. From basic enclosures to complex lofted transitions, the software provides the dedicated tools you need. Powerful conversion tools turn regular parts or imported parts into native, unfoldable sheet metal parts with an easy wizard-style interface.

Communicate Better

Share Interactive Models Instantly

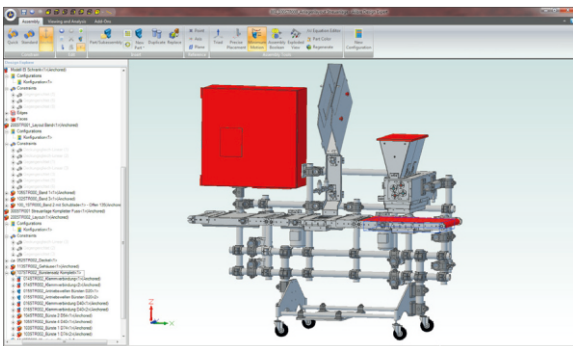
Geomagic Design lets you export a 3D PDF of your design, viewable by anyone with a recent version of Adobe Acrobat. The recipient can zoom, rotate and pan through the design as well as create section views. Accelerate and improve your communication with stakeholders earlier without special software or installing anything new. Embed the PDF on your website for interactive product catalogs.

Lifelike Renderings in Minutes

Make beautiful, realistic images of your products to use for marketing collateral or to explore material and color considerations of your products. Win bids by including picture-perfect shots you'll create in a matter of minutes with drag-and-drop ease.

Validate

Fully test your design with built-in motion simulation tools. Apply forces, motors and actuators, and run simulations to see the result. Probe various motion elements graphically to see the forces acting on your components. Quickly iterate the optimal geometry that achieves your design goals without creating any physical prototypes.



Data, Process & Contact Management

The Vault lets you take control of your design data but also provides comprehensive tools to keep all of your business data under control, categorized, and searchable from one place. Full version control, check in/out, remote access, contact management, and process enforcement all work together to give you as much control over your business as you need. It's 100% customizable to the unique needs of your business environment.

Interoperability

Using CAD Data From Others

Geomagic Design can open nearly all major 3D CAD formats and all neutral formats. Regardless of where the data comes from, it's likely you can open and modify it. The direct-editing toolset allows you to make a wide variety of changes to imported models with no feature history. Smart inferencing makes quick work of otherwise complicated design challenges, such as moving or removing complex geometry from an imported design.