

Digital Prototyping for the Manufacturing Market

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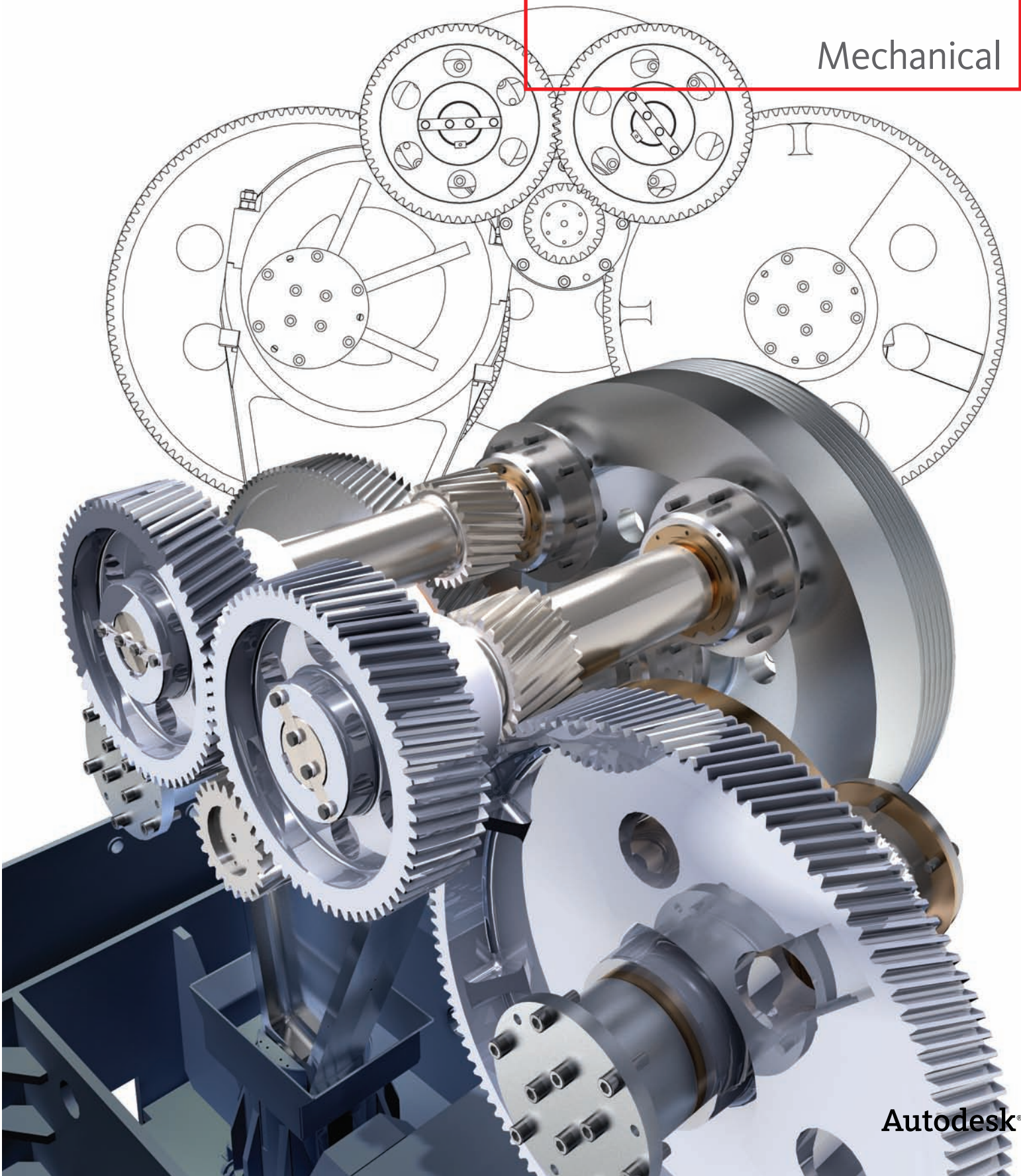
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Power tools for mechanical design.

AutoCAD[®]

Mechanical



Autodesk[®]

The AutoCAD Mechanical Advantage

To compete and win in today's design marketplace, engineers need to create and revise mechanical drawings faster than ever before. AutoCAD® Mechanical is AutoCAD® software for manufacturing, offering significant productivity gains over standard AutoCAD® by simplifying complex mechanical design work.

Facing these issues?

- Productivity is limited by software that is not built specifically for mechanical design.
- Frequent design changes are creating hours of manual rework.
- Design errors and incorrect bills of materials (BOMs) and parts lists are keeping products from shipping on time.
- Updating existing drawings is costing your company valuable time.
- Inconsistent use of drafting standards is slowing down shop-floor production.
- Inability to find and reuse designs is forcing your teams to create too many drawings from scratch.

Discover why so many designers and drafters are switching to AutoCAD Mechanical.

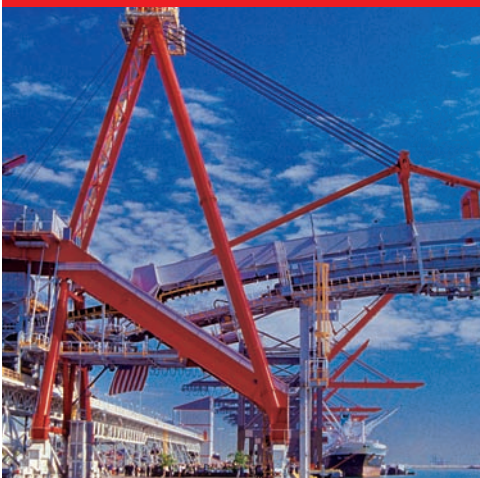


Image courtesy of Thyssen-Krupp Corporation

The Standard in 2D Mechanical Design

With comprehensive libraries of standards-based parts, and tools for automating common design tasks, AutoCAD® Mechanical software accelerates the mechanical design process. AutoCAD Mechanical provides innovative design and drafting tools that are wholly focused on ease of use for the AutoCAD user. Keeping the AutoCAD user experience intact enables designers to maintain their existing workflows while adopting the enhanced functionality of AutoCAD Mechanical at their own pace. Designers gain a competitive edge by saving countless hours of design and rework, so they can spend time innovating rather than managing workflow issues.

Maximize Your Productivity

Creating mechanical designs often requires spending valuable time on manual workarounds to get the job done. Since AutoCAD Mechanical provides a simplified drafting environment for manufacturing and automates many manual tasks, it improves the design experience and offers immediate efficiency gains. AutoCAD Mechanical delivers high-impact productivity tools to AutoCAD users who are performing updates and iterative design changes, reducing the amount of rework associated with these tasks. In addition, powerful dimensioning tools make adding, deleting, and editing dimensions fast and easy. Built to save you time, AutoCAD Mechanical has a specific tool for almost every aspect of the mechanical drafting process.

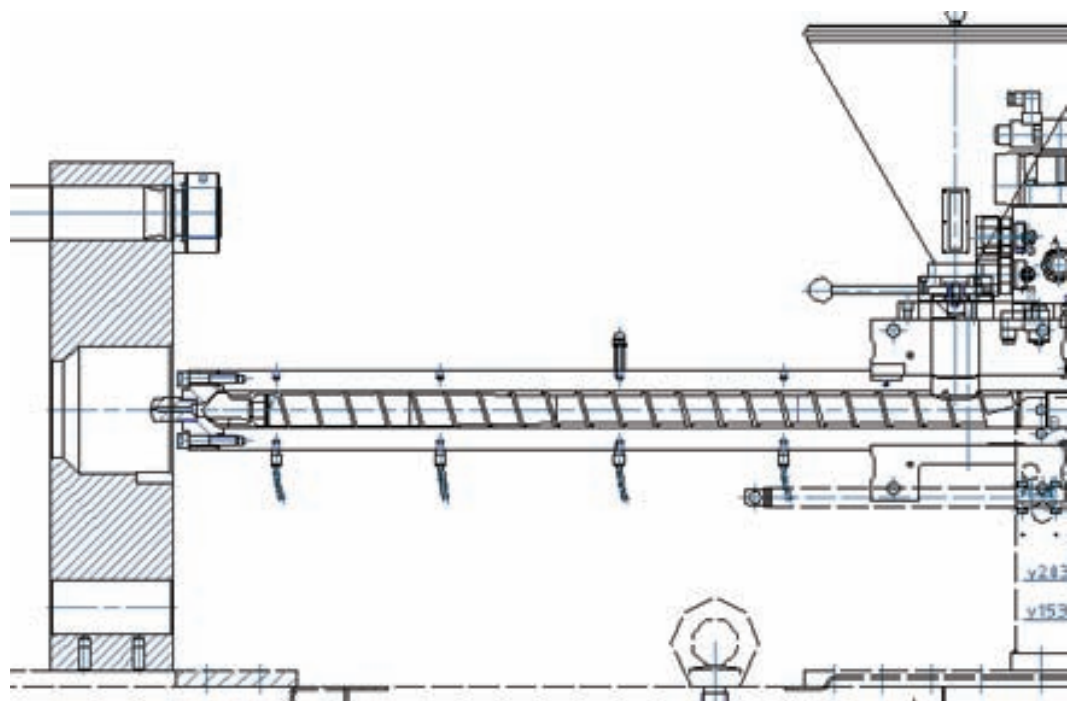
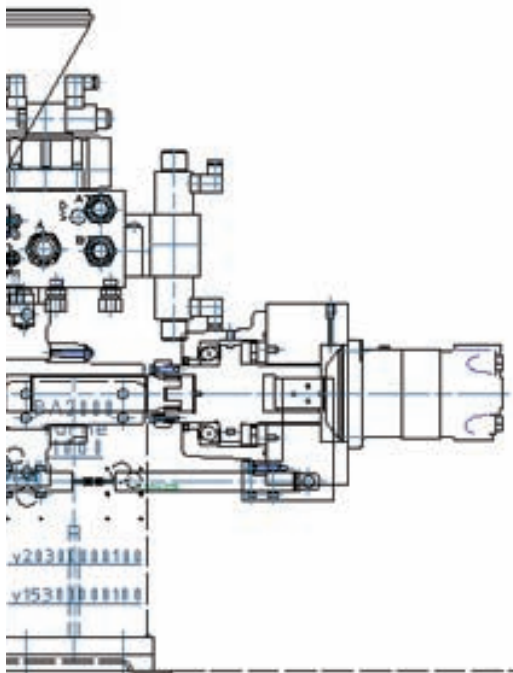




Image courtesy of
Parker Hannifin Corporation

Reduce Errors and Inconsistencies

When creating mechanical drawings, designers can sometimes inadvertently introduce errors and design inconsistencies, wasting time and money. AutoCAD Mechanical includes libraries of more than 700,000 standard parts and supports international drafting standards, enabling users to consistently meet design requirements in the global marketplace. AutoCAD Mechanical also enables detailers to document native Autodesk® Inventor® models in the familiar AutoCAD drafting environment. This associative workflow automatically synchronizes drawings with the 3D model, which reduces errors and inconsistencies and saves hours of rework. Clear and consistent communication in the design and documentation process helps team members avoid delays and errors on the shop floor, so your company can stay ahead of the competition.



Manage Design Data More Effectively

Once a design is complete, it is important to share accurate design and part information with the teams responsible for ordering and manufacturing the product. Using software that is not purpose-built for these tasks often means creating crucial parts lists and BOMs by hand. With manual methods, even the smallest design change can introduce errors, resulting in delivery delays to the customer.

To help your company prevent errors and costly delays, AutoCAD Mechanical 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 reuse of crucial design data, management of BOMs, and collaboration with other teams and partners.

Now Is the Time

Want to get unparalleled productivity from your 2D mechanical design process? Now is the time to make the move to AutoCAD Mechanical.

Top 10 Reasons to Move from AutoCAD to AutoCAD Mechanical

1. 700,000 Standard Parts and Features
2. Extended Draw Toolbar for Manufacturing
3. Powerful and Smart Dimensions
4. Reusable Detailing Tools
5. Support for International Drafting Standards
6. Associative Balloons and BOMs
7. Layer Management
8. Hidden Lines
9. Machinery Generators and Calculators
10. Data Exchange Between CAD Systems

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