

Mechanical design  
with muscle.

**AutoCAD<sup>®</sup>**

Mechanical 2008



# 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 2008 software, a purpose-built design and drafting application, offers significant productivity gains over basic AutoCAD® software 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.

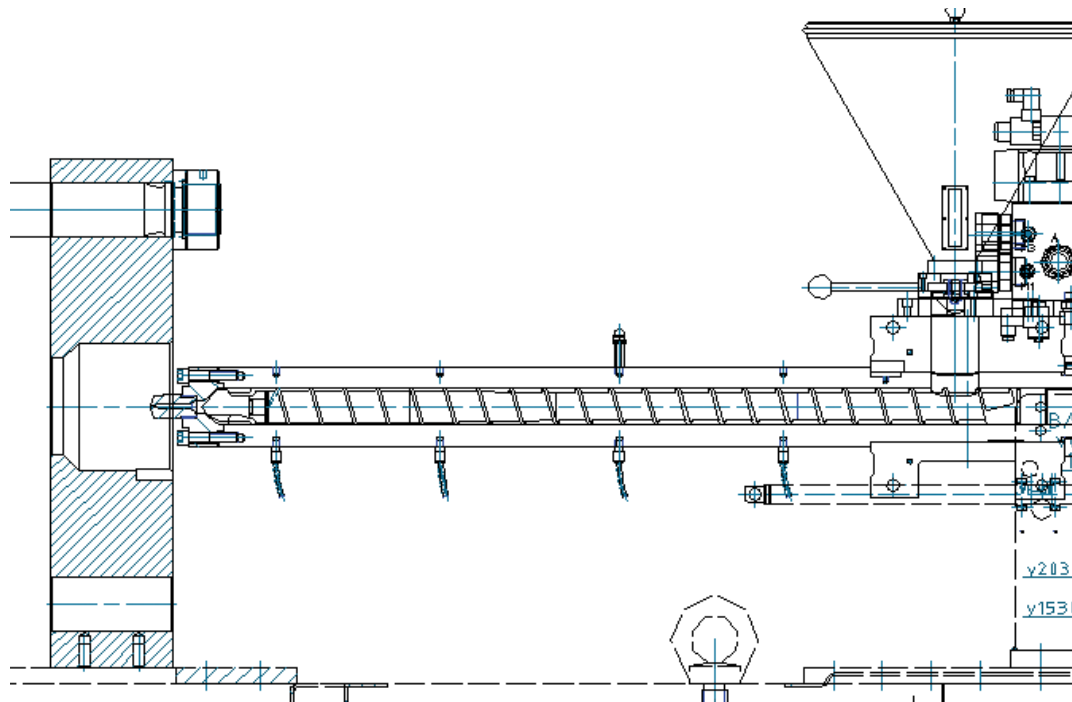
With standards-based libraries of parts, and tools for automating design tasks, AutoCAD Mechanical accelerates the mechanical design process. Designers gain a competitive edge by saving countless hours of design and rework, so they can spend time innovating rather than managing workflow issues. AutoCAD Mechanical provides innovative design and drafting tools that are wholly focused on ease of use for the AutoCAD user.

## Increase 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, it improves the design experience by automating many manual tasks in AutoCAD—for 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. Users can easily organize, find, and reuse valuable data with integrated data management in AutoCAD Mechanical. In addition, powerful dimensioning tools make adding, deleting, and editing dimensions fast and easy.



Image courtesy of Thyssen-Krupp Corporation



### Reduce Errors and Inconsistencies

When creating mechanical drawings, designers sometimes inadvertently introduce errors and design inconsistencies, which can waste time and money. AutoCAD Mechanical provides libraries of parts as well as support for local and international drafting standards that enable users to produce consistent design requirements in their drawings. 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 you avoid delays and errors on the shop floor, so your company can stay ahead of the competition.

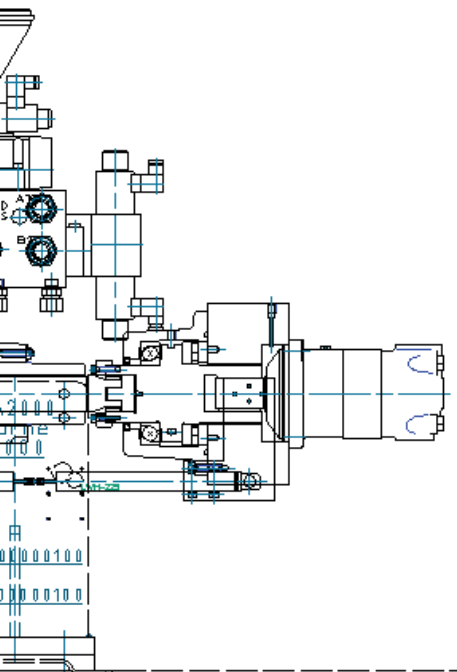


Image courtesy of  
Parker Haniffin Corporation

### Automate Design Tasks

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. And, even with the smallest design change, manual methods can introduce errors, resulting in delivery delays to the customer. To help your company prevent errors and costly delays, AutoCAD Mechanical provides accurate information to manufacturing with a seamless BOM tracking tool that automatically updates the BOM to reflect design changes. Accurate data enables designers to work more efficiently with other departments and suppliers. And, since AutoCAD Mechanical is part of the AutoCAD family of products, designers can accurately and efficiently share design data in the native DWG format.

### Now is the Time

Want to get unparalleled productivity out of your 2D mechanical design process? Then now is the time to take a look at AutoCAD Mechanical—providing innovative design and drafting tools that offer immediate efficiency gains and ease of use for the AutoCAD user.

### Ten Reasons to Move from AutoCAD to AutoCAD Mechanical 2008

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 Bills of Materials (BOMs)
7. Layer Management
8. Hidden Lines
9. Machinery Generators and Calculators
10. Data Exchange Between CAD Systems

Visit [www.autodesk.com/autocadmechanical-productivity](http://www.autodesk.com/autocadmechanical-productivity) for more details.

## Autodesk Manufacturing

Never before have design applications and data management tools come together to simplify the way manufacturers design products and drive them through the manufacturing process. Autodesk provides a complete, interoperable line of industry-leading software integrated with a worldwide network of services and partners. Gain access to technical expertise for implementation, and utilize training and support programs direct from Autodesk to help use your design and data management software more effectively. Software maintenance programs allow you to stay up-to-date with the latest product releases and upgrades for your software. Designed to be deployed incrementally for minimal business disruption, Autodesk tools for manufacturing provide the most effective way to stay ahead of the competition and achieve maximum return on your software investment.

### Learn More or Purchase

Create and revise mechanical designs faster than ever with AutoCAD Mechanical. For more information, visit [www.autodesk.com/autocadmechanical](http://www.autodesk.com/autocadmechanical).

For more information on extending the power of your design technology, visit [www.autodesk.com/subscription](http://www.autodesk.com/subscription).

For more information on making the most of your software investment, visit [www.autodesk.com/consulting](http://www.autodesk.com/consulting).

Purchase AutoCAD Mechanical through your Autodesk Authorized Reseller. To locate the reseller nearest you, visit [www.autodesk.com/reseller](http://www.autodesk.com/reseller).

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