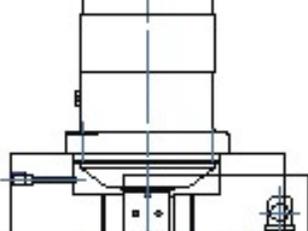


AutoCAD®
MECHANICAL
2007

Mechanical design with muscle.



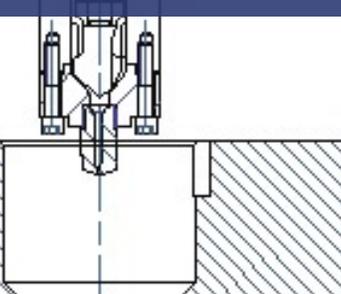
Autodesk®



Facing these issues?

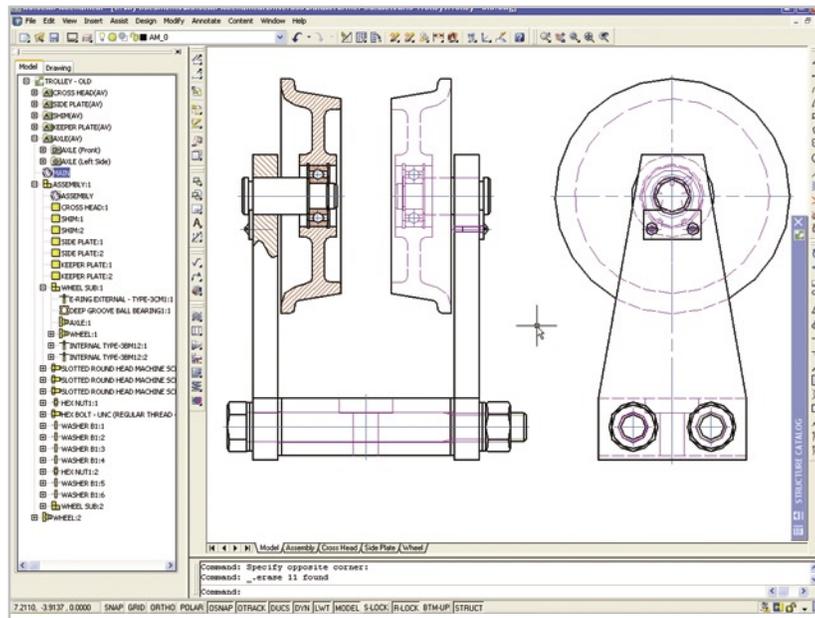
- Generic software is limiting your productivity
- Your 2D and 3D products do not work together efficiently
- Sharing designs with other departments or suppliers is error-prone and tedious
- Outdated design practices are creating hours of manual rework
- Design errors and incorrect BOMs and parts lists are keeping products from shipping on time
- Updating existing drawings is costing your company valuable time
- Inconsistent use of drafting standards is slowing down your production team
- Inability to find and reuse designs is forcing your design team to create too many designs from scratch

Discover why designers and drafters are using AutoCAD Mechanical.



The AutoCAD Mechanical Advantage

To compete and win in today's design market, mechanical engineers need to create and revise mechanical designs faster than ever before. AutoCAD® Mechanical software, a purpose-built design application, saves countless hours of design and rework by automating common tasks. As a result, designers gain a competitive edge and can spend their time innovating rather than struggling with workflow issues caused by generic design applications. Sharing design information accurately and efficiently with team members, customers, and suppliers is also a key part of getting designs to the manufacturing floor. AutoCAD Mechanical is based on the AutoCAD® platform—the world's best-selling design application—and uses the native DWG format, providing access to the largest design community worldwide.



2D Mechanical Structure

With mechanical structure, you work more intuitively and efficiently in a design environment that enables you to easily express and revise design intent.

Increase Your Productivity

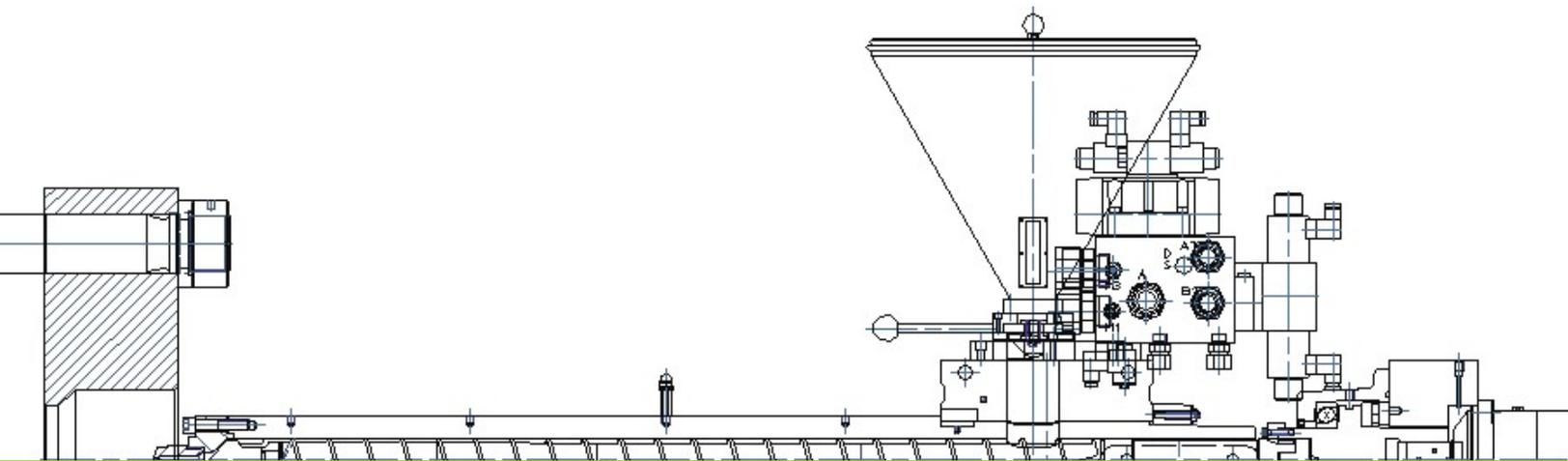
When creating mechanical designs, using software not specifically developed for mechanical engineers often requires spending valuable time on manual workarounds to get the job done. Since AutoCAD Mechanical is built for mechanical designers, it improves the design experience by simplifying complex mechanical design work. Designers can easily express, revise, and reuse their designs because intelligent parts and assemblies are used to document designs instead of lines, arcs, and circles. In addition, a complete set of drafting tools can automatically dimension an entire part and instantly arrange a design with accurate spacing and scale. And with the automation of many common tasks, designers are able to boost their productivity and reduce the hours of rework caused by design changes.

Reduce Errors and Inconsistencies

When designers create mechanical drawings using generic applications, errors and design inconsistencies can be easily introduced, wasting time and money. AutoCAD Mechanical provides support for local and international drafting standards and includes an immense library of standard content, enabling users to produce consistent drawings that are easy to understand. As an integral part of the Autodesk® solution for manufacturing, AutoCAD Mechanical allows detailers to natively and associatively document 3D parts and assemblies from Autodesk Inventor® software. 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 companies avoid delays and errors on the shop floor, keeping your company ahead of the competition.

Streamline 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 generic software for these tasks often means creating critical parts lists and bills of materials (BOMs) by hand. And, even with the smallest design change, manual methods can introduce critical errors, resulting in delivery delays to the customer. To help your company prevent errors and costly delays, AutoCAD Mechanical provides a BOM that is integrated within the normal design workflow, so that parts lists and BOMs contain correct part information and all information is updated immediately when a design change occurs. Accurate data enables designers to work more efficiently with other departments and suppliers.



A Practical Approach to Data Management

Autodesk data management tools help accelerate development cycles and get products to market faster. Autodesk provides a modular approach to robust data management that allows your business to efficiently manage valuable design data in key areas like design reuse, automation of key processes, and collaboration—all without the complications and expense of other solutions. Composed of

several powerful Autodesk applications—including Autodesk® Productstream™ software, Autodesk® Vault, the Autodesk Streamline® on-demand collaborative project management solution, and Autodesk® DWF™ technology—Autodesk's approach to data management also includes a worldwide network of services and partners focused on manufacturing to help with training, installation, and integration.

The Autodesk Solution for 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. The Autodesk solution for manufacturing comprises 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, the Autodesk solution provides the 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).