

The fastest path to complete and accurate production materials

Professional, familiar, DWG-based 2D & 3D CAD for mechanical design and drafting.

BricsCAD® Mechanical combines the core features of BricsCAD Pro with additional capabilities specific to Mechanical Engineers and Manufacturing professionals. It's based on a standard DWG file format, and includes tools for 2D mechanical design and drafting, sheet metal unfolding, and 3D assembly modeling. It also contains a library of standards-based mechanical parts.

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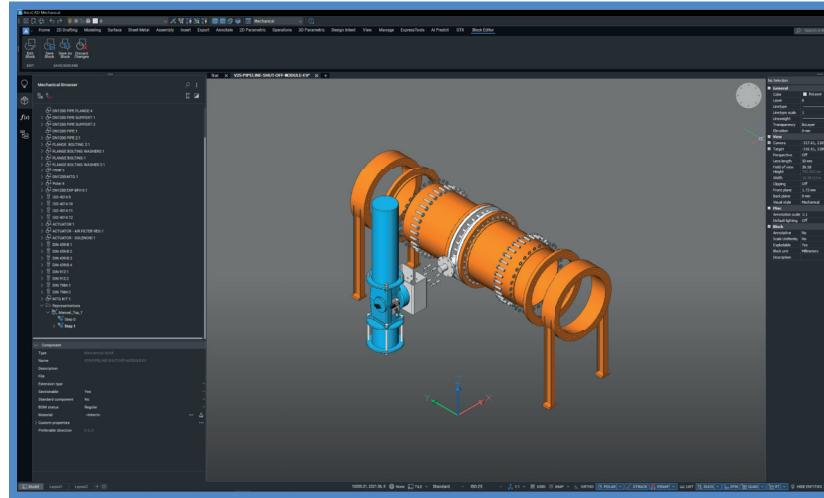
BricsCAD Mechanical provides manufacturers of any size with a complete 2D mechanical design and drafting toolset that is familiar to users of AutoCAD® Mechanical and compatible with AutoCAD® Mechanical design data (.dwg files).

Companies utilize the all-in-one design support features of the software to leverage existing 3D models throughout their organizations. For example, the 3D to 2D integration features allow non-3D experts to convert 3D models into 2D manuals with annotations.

BricsCAD Mechanical also includes a series of easy-to-use Design for Manufacturing and Assembly (DFMA) Tools that help production professionals optimize their processes. This combination of design reuse capabilities allows manufacturers to start with any design data, and then accelerate the workflows of every team member.

BricsCAD® Maintenance

Allows perpetual license owners to stay up-to-date with all BricsCAD product releases.



With BricsCAD® Mechanical you can...

Utilize the power of DWG

Easily open, edit, and reuse meta data and features in your drawings, such as parts list and references, symbols and annotations, created in AutoCAD® Mechanical.

Generate fully associative BOMs

Create BOM and AutoCAD® Mechanical Part Lists automatically using the Block and Part Reference data.

Apply mechanical dimensions, symbols and annotations

Dimensioning, symbols and annotations specifically for Mechanical and Manufacturing professionals. Utilize PowerDIM for accurate dimensioning and detailed tolerancing with fewer clicks.

Conduct 2D FEA Studies

2D FEA function enables efficient finite element analysis simulations for 2D models, enhancing design accuracy and optimization.

Use parametric standard parts

BricsCAD Mechanical contains a library of 30,000 standard mechanical components of 800+ different types, all with customizable parameters.

Automatically convert 3D entities to Sheet Metal

Convert 3D entities to sheet metal automatically with ease. Features can then be manually refined, with a full sheet metal toolset, or changed to quickly achieve your desired form.

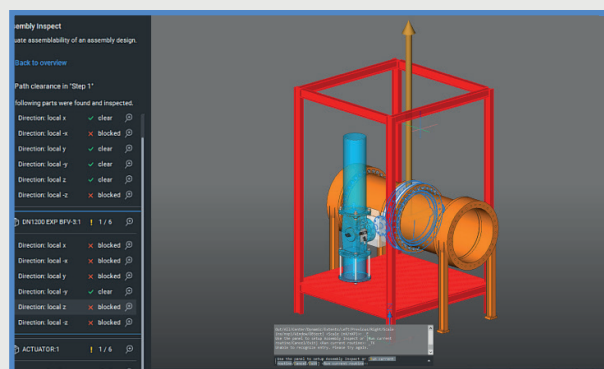
Convert 3D models to 2D documentation

A complete Assembly Documentation workflow toolkit to produce a variety of outputs for various Assembly Documentation.

Fastest path to production

BricsCAD®'s unique variational 3D modeling approach gives you the freedom to design how you want to, from concept to detail, with whatever level of parametric control you need. Quickly develop complex stand-alone components or directly within an assembly. Build potentially complex assemblies and subassemblies using components designed in-house or by others. Create sheet metal part designs that are resilient and deeply editable.

BricsCAD offers the best and most familiar workflow for turning your mechanical designs into production drawings.



 Enhanced  New



Own your software

Bricsys® customers can choose to buy BricsCAD with a perpetual license, helping to manage the cost of CAD software ownership.



Network licenses

With BricsCAD's shareable network licensing, you can purchase or subscribe to BricsCAD, and share your license across multiple users on the same network.



Powerful LISP interpreter

Run LISP routines developed in other CAD applications or develop your own in the BricsCAD LISP Advanced Development Environment (BLADE).



Third-party Apps

With powerful C++ and .NET APIs, BricsCAD® Pro is highly compatible with the APIs of legacy-DWG products. These APIs also give corporate CAD developers the fastest path to move their applications to BricsCAD.



Parameterize and Constrain with Intelligent AI driven tools

The PARAMETRIZE AI workflow turns parts into smart, parameter-driven components in seconds. Build constraint systems, drive parts formulaically, build table-driven components.



Generate associative views in Paper Space

Create 2D orthographic, isometric and exploded views of 3D models easily in Paper Space. Once in Paper Space create section, detail and break views. Keep working on your project while BricsCAD generates Paper Space views in the background.



Efficient 2D detailing

BricsCAD offers the best and most familiar workflow for turning your mechanical designs into production drawings.



Expandable platform

Move from concept to creation with all the tools you need on one platform to design, build and manufacture. Users can leverage what they know from their legacy CAD product.



In-Product Tutorials

BricsCAD includes a new series of in-product tutorials to help users learn about the unique and powerful features of our newest release.



Design parts and components

With BricsCAD® Mechanical, the design process is simple. Start your design with a 2D sketch, then extrude, revolve, or sweep it to create a 3D solid, and edit them as native components.



Bottom-up and top-down assembly design

BricsCAD Mechanical users can create complex hierarchies of parts and sub-assemblies using bottom-up or top-down design methods.



Mechanical Browser

The Mechanical Browser panel offers a central location to view and modify parametric properties of mechanical parts and assemblies.



Learn more at
bricsys.com/bricscad/v25