BricsCAD® Mechanical

Advanced mechanical design tools

For mechanical engineers and product designers

"If you're an engineer who is used to working in 2D, it is much easier to start working in 3D with BricsCAD than with any other tool, because you can just follow the same intuitive pattern."

**Hristo Guentchev,
Managing Director at Prototyp**

Part & assembly design

Create or edit complex hierarchies of parts and subassemblies using the the full power of Direct Modeling.

Create parametric parts and components

Parametrize turns 3D solids into smart parametrically-driven components in seconds. You can build constraint systems and change parameters in the BricsCAD Properties Panel.

Create complex 3D animations based on different parameters, with the Animation Editor panel.
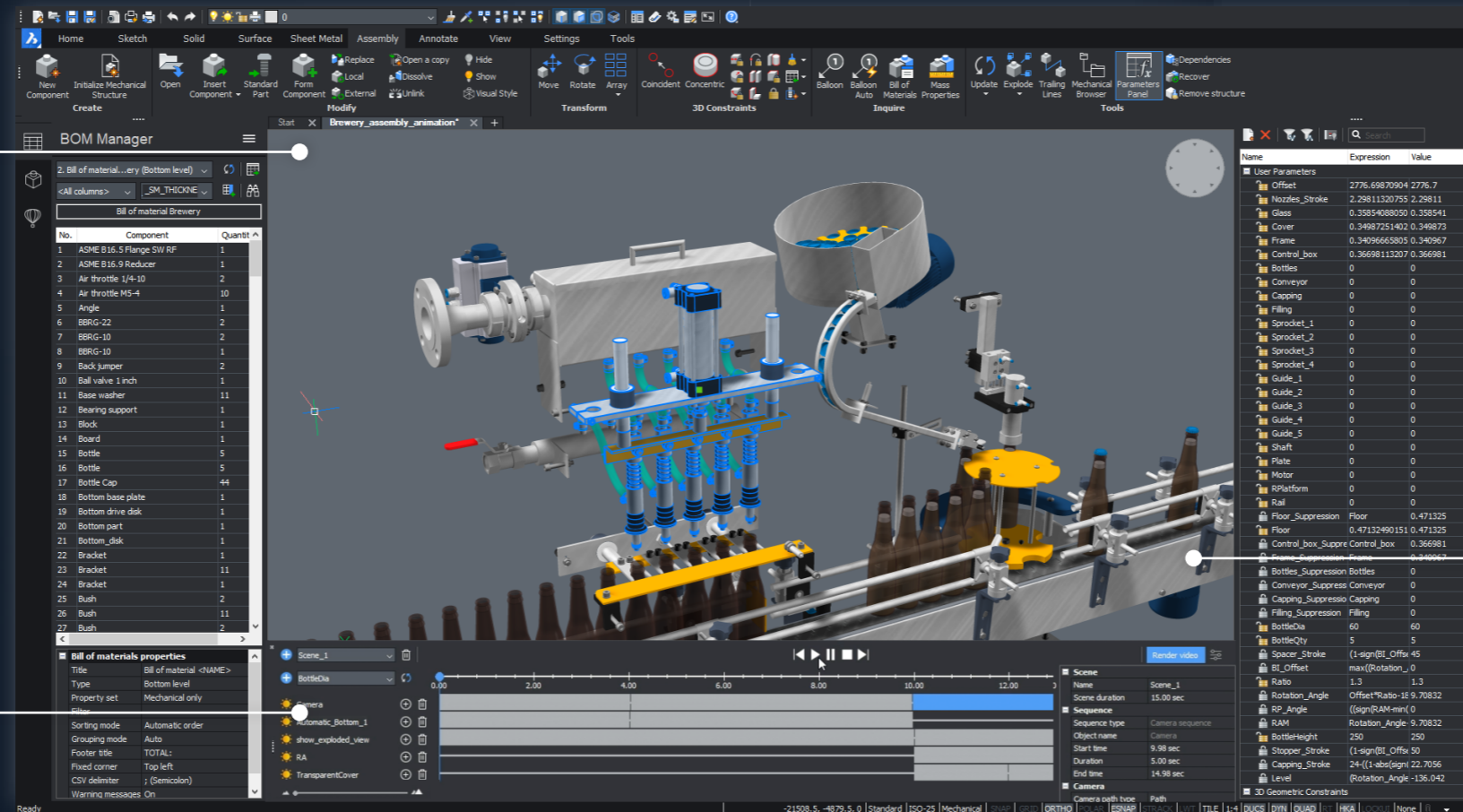
Bills of materials generation

The BOM panel lets you manage multiple Bills of Materials, as tables in your drawings. You can format columns, set up equations, sort entries, and more.

Sheet metal design

BricsCAD Mechanical lets you import or create sheet metal parts using lofted solids. You can unfold and re-work BricsCAD sheet metal components freely and make deep edits to ensure manufacturability – without the fear of model failures.

3D Constraints

The powerful 3D constraint engine in BricsCAD Mechanical helps you create parametric components, including table-driven parts and assemblies.

Automated Drawing Generation

Experience a familiar workflow for the creation of drawing layouts. Change a single part or the entire assembly, and all 2D drawing views are automatically updated.

Parametric standard parts

BricsCAD contains a library of more than 1,000 parametric mechanical parts grouped into four categories: Fasteners, Machine Parts, Structural Shapes and Piping. ANSI, ASME, DIN, ISO and JIS standard are supported.

Automated Exploded views with trailing lines

BricsCAD Mechanical can create multi-axis exploded views, automatically disassembling complex assemblies and adding trailing lines, in just one click.

Communicator for BricsCAD

Communicator for BricsCAD is an extra-cost module that works with BricsCAD Pro, Platinum, BIM and Mechanical

Communicator for BricsCAD seamlessly imports geometry and PMI data from major CAD programs, and exports industry-standard 3D file formats.

Import & export files from:

- ACIS
- Parasolid
- CATIA™
- Creo
- IGES/ STEP
- Siemens NX
- SOLIDWORKS®
- Autodesk® Inventor
  and more

BricsCAD® Mechanical includes all of the features in BricsCAD® Pro, and more