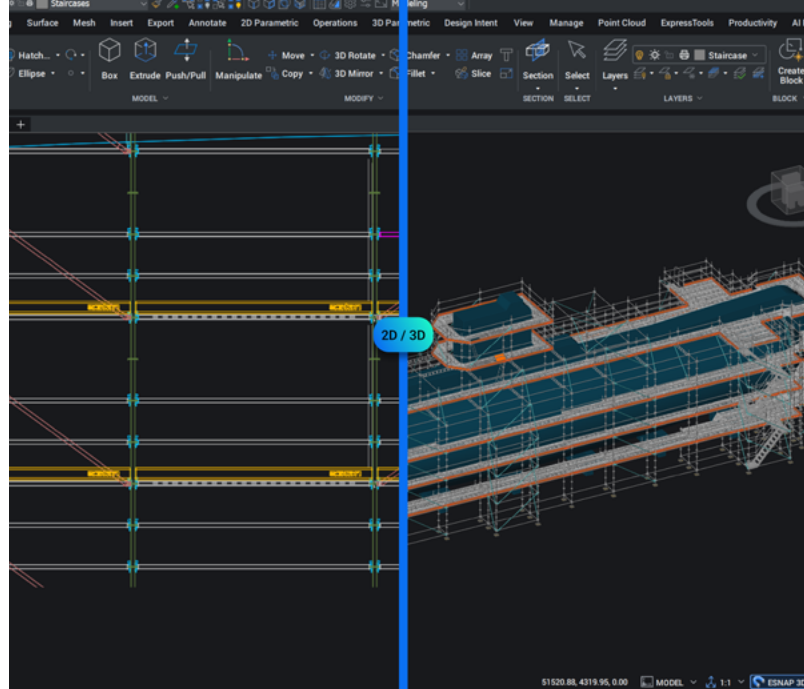


# Professional 2D & 3D CAD - powerful and flexible

BricsCAD® Pro is a DWG-based CAD platform for 2D drafting and 3D modeling. Create geometry, modify existing data, annotate and publish files using a unified set of commands within one application. This product level is ideal for designers and engineers.



## The fastest path from initial design to complete and accurate production drawings

### Compatible with industry-standard DWG

Access files from other CAD software without converting formats or losing fidelity.

### High performance

Design faster with greater accuracy, even when working with large files, thanks to advanced algorithms that reduce compute times.

### Design manufacturing-facility layouts

Optimize layouts for production facilities or retool existing ones in 2D or 3D, all with efficient and intelligent design tools to place equipment and make modifications simply and easily.

### Layout in 2D, visualize in 3D

Create or import 2D data to build editable 3D solids, surfaces and meshes all in a single platform.

### 3D visualization

Generate photorealistic images and animations of 3D geometry in application or export and directly link to Twinmotion.

### Handle point cloud data natively

Display, color, classify, clip, measure, and extract features from a wide range of industry-standard point cloud formats, including E57, LAS, LAZ, and LGSx. No external pre-processing required.

### Fast and easy access to survey data

Quickly import/export GIS data and create TIN surfaces. Import LandXML files or Autodesk® Civil 3D data and add survey data directly from Leica Infinity to make annotated drawings. Manage gradings, volume calculation, alignments, and 3D strings using common industry formats.

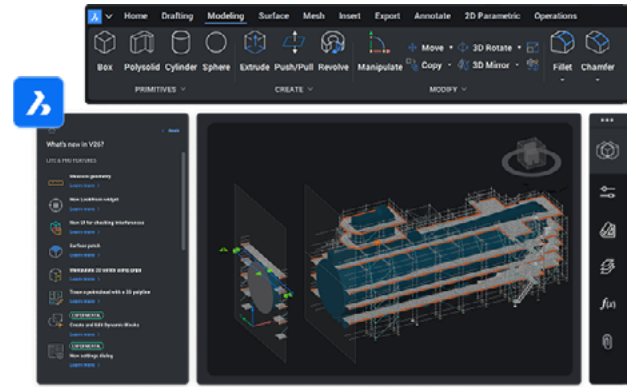
### Drawing Health

Run reusable clean-up routines for 2D and 3D imported data with BricsCAD's unique Drawing Health Management workflow.

### 3D parametric modeling and constraint

Create and manipulate 3D models using relationships and constraints for fast design edits.

# New capabilities to accelerate the design-to-production process



● New
 ● Enhanced
 ○ Experimental
 ■ Unique to BricsCAD
 ■ AI-driven tool

## Look From widget ●

Navigation tool to easily select the desired position on the cube and dynamically reposition a preset view.

## Section plane accuracy and control ●

View a sliced section of a 3D model within a specified boundary, including editable thickness and offset position with easy-to-manipulate section grips.

## Block creation from section plane ● ■

Generate a 2D section block from a section plane of a 3D model, either through the command line or in unattended script.

## Blockify ● ■ ■

Run Blockify within the Create Block Definition dialog box. Create new block definitions and check for existing blocks available for reuse.

## Geometry measure for 2D and 3D ●

Measure 2D and 3D distances and view results in command prompt and dynamic tooltip.

## Geometric property edits of 3D solids ●

Quickly edit geometric properties of 3D solids through the properties panel with dynamic feedback.

## Civil Section creation ●

Easily create Civil Sections and Section Views along any Alignment or String for detailed design insights, in bulk and at scale.

## TIN cut and fill volume reports ●

Easily generate and incorporate accurate volume reports for cut and fill analysis.

## Sliced section view ●

View a sliced section of a 3D model within a specified boundary with editable thickness and offset position.

## Fillet and chamfer solid component edges ● ■

Fillet or chamfer can be applied to all edges of a selected 3D solid in single click when solid option is selected.

## 3D geometry interference detection ● ■

Locate component interferences by isolating them in model space using intelligent interference selection tools.

## Preview for rotation and scaling of solids ●

Added feedback when scaling or rotating solid bodies, making the commands predictable in the graphics window.

## Dynamic blocks ○

Create new or edit existing flexible 2D blocks from other CAD software (available only for users outside the United States).

## 2D polyline tracing on point clouds ● ■

Easily trace polylines over point clouds with one click per segment for fast, accurate linework.

## Civil Points creation ●

Generate Civil Points on objects, grids, or by converting CAD points and blocks for accurate, efficient site modeling, easily and simply.



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