Compare BricsCAD products

Licensing

	Lite	Pro	AutoCAD LT	BIM	Mech	AutoCAD
Multi-platform Licenses	✓	✓	—	✓	✓	—
Perpetual	✓	✓	—	✓	✓	—
Perpetual + Maintenance	✓	✓	—	✓	✓	—
Subscription	✓	✓	✓	✓	✓	✓
Network Multi-user	✓	✓	—	✓	✓	—
Volume (Perpetual)	✓	✓	—	✓	✓	—
Academic	✓	✓	✓	✓	✓	✓

Drawings

	Lite	Pro	AutoCAD LT	BIM	Mech	AutoCAD
Native DWG file format (through AutoCAD 2021)	✓	✓	✓	✓	✓	✓
Password Protection	✓	✓	—	✓	✓	—
eTransmit	✓	✓	✓	✓	✓	✓
Sheet Set Manager	✓	✓	✓	✓	✓	✓
Geographic Location	✓	✓	✓	✓	✓	✓
Drawing Compare	✓	✓	✓	✓	✓	✓
Cloud Collaboration	✓	✓	✓	✓	✓	✓

Interface

	Lite	Pro	AutoCAD LT	BIM	Mech	AutoCAD
Dark and Light Color Themes	✓	✓	✓	✓	✓	✓
Industry standard commands, aliases, and variables	✓	✓	✓	✓	✓	✓
Command Line (Autocomplete, Midstring, Clickable options)	✓	✓	✓	✓	✓	✓
Start tab	✓	✓	✓	✓	✓	✓
File (Drawing) tabs	✓	✓	✓	✓	✓	✓
Model and Layout tabs	✓	✓	✓	✓	✓	✓
Menu bar	✓	✓	✓	✓	✓	✓
Toolbars	✓	✓	✓	✓	✓	✓
Ribbon	✓	✓	✓	✓	✓	✓
Tool Palettes	✓	✓	✓	✓	✓	✓
Contextual Right-click Menus	✓	✓	✓	✓	✓	✓
Contextual Quad Menu	✓	✓	—	✓	✓	—
Status Bar	✓	✓	✓	✓	✓	✓
Workspaces	✓	✓	✓	✓	✓	✓
Selection Filtering (QSELECT)	✓	✓	✓	✓	✓	✓
Add Selected	✓	✓	✓	✓	✓	✓
Select Similar	✓	✓	✓	✓	✓	✓
Selection Cycling	✓	✓	✓	✓	✓	✓
Entity Snaps (Osnaps)	✓	✓	✓	✓	✓	✓
Polar Tracking	✓	✓	✓	✓	✓	✓
Zintersection 3D snap	✓	✓	—	✓	✓	—
Nearest Distance	✓	✓	—	✓	✓	—
Adaptive Gridsnap	✓	✓	—	✓	✓	—
Real-time boundary detection	✓	✓	—	✓	✓	—
2D Dynamic UCS	✓	✓	—	✓	✓	—
3D Dynamic UCS	✓	✓	—	✓	✓	✓

Drawing Tools

	Lite	Pro	AutoCAD LT	BIM	Mech	AutoCAD
Line, Polyline, 3D Polyline, Spline, Ray, Xline	✓	✓	✓	✓	✓	✓
Multiline and Multiline Styles	✓	✓	—	✓	✓	✓
Circle, Arc, Ellipse, Eliptical Arc	✓	✓	✓	✓	✓	✓
Polygon, Rectangle, Region, Donut, Point	✓	✓	✓	✓	✓	✓
Helix	✓	✓	—	✓	✓	✓
2D Parameters, Constraints	✓	✓	—	✓	✓	✓

Annotation Tools

	Lite	Pro	AutoCAD LT	BIM	Mech	AutoCAD
Text, Multi-line Text, Text Styles, Text Editor	✓	✓	✓	✓	✓	✓
Dimensions, Dimension Styles	✓	✓	✓	✓	✓	✓
Multi-leaders, Mult-leader Styles	✓	✓	✓	✓	✓	✓
Single and Multi-line text, Text Styles, Text Editor	✓	✓	✓	✓	✓	✓
Hatches, Gradients, Hatch/Gradient Editor	✓	✓	✓	✓	✓	✓
Wipeouts	✓	✓	✓	✓	✓	✓
Revision Clouds	✓	✓	✓	✓	✓	✓
Attributes, Attribute Editor	✓	✓	✓	✓	✓	✓
Tables, Table Styles	✓	✓	✓	✓	✓	✓
Fields	✓	✓	✓	✓	✓	✓
Date Extraction	✓	✓	—	✓	✓	✓
Data Linking	✓	✓	✓	✓	✓	✓
Annotation Scaling	✓	✓	✓	✓	✓	✓
Spell Check	✓	✓	✓	✓	✓	✓
Grip Edit	✓	✓	✓	✓	✓	✓
Properties Panel	✓	✓	✓	✓	✓	✓
Manipulator (3D Gizmo)	✓	✓	—	✓	✓	✓
Draworder	✓	✓	✓	✓	✓	✓

	Lite	Pro	AutoCAD LT	BIM	Mech	AutoCAD
Reference Tools						
Blocks, Block Editor	✓	✓	✓	✓	✓	✓
Dynamic Blocks	✓	✓	✓	✓	✓	✓
Camera-facing Blocks	✓	✓	—	✓	✓	—
Blockify	✓	✓	—	✓	✓	—
Associative Arrays	✓	✓	✓	✓	✓	✓
Dwg (Xref) Attach, Clip, Bind, Edit	✓	✓	✓	✓	✓	✓
PDF Attach, Clip	✓	✓	✓	✓	✓	✓
Image Attach, Clip, Adjust, Transparency	✓	✓	✓	✓	✓	✓
Point Cloud Preprocess, Attach, Crop, Colormap	—	✓	—	✓	✓	—
Visualization Tools						
Layers, Layer States	✓	✓	✓	✓	✓	✓
Transparency	✓	✓	✓	✓	✓	✓
Visual Styles	✓	✓	—	✓	✓	✓
LookFrom (ViewCube™)	—	✓	—	✓	✓	✓
Match Perspective	—	✓	—	✓	✓	—
Lights	—	✓	—	✓	✓	✓
Sun Properties	—	✓	—	✓	✓	✓
Materials	—	✓	—	✓	✓	✓
Render	—	✓	—	✓	✓	✓
Animation Editor	—	✓	—	✓	✓	—
Walkthrough navigation	—	✓	—	✓	✓	✓
ANIPATH command	—	✓	—	✓	✓	✓

	Lite	Pro	AutoCAD LT	BIM	Mech	AutoCAD

Modeling tools

	Lite	Pro	AutoCAD LT	BIM	Mech	AutoCAD
ACIS Modeling	—	✓	—	✓	✓	✓
Soild and Surface Modeling	—	✓	—	✓	✓	✓
Solid Primitives	—	✓	—	✓	✓	✓
Mesh Primitives	—	✓	—	✓	✓	✓
Polysolid	—	✓	—	✓	✓	✓
Union, Subtract, Intersect, Interfere	—	✓	—	✓	✓	✓
Extrude, Revolve, Loft, Sweep, Thicken	—	✓	—	✓	✓	✓
Twist	—	✓	—	✓	✓	—
Extract Edges	—	✓	—	✓	✓	✓
Direct modeling	—	✓	—	✓	✓	✓
Deformable (Freeform) Modeling	—	✓	—	✓	✓	✓
Audit, Simplify, Stitch	—	✓	—	✓	✓	✓
3D Parameters, Constraints	—	✓	—	✓	✓	✓
3D Autoparametrize	—	✓	—	✓	✓	✓
3D Parametric Design Tables	—	✓	—	✓	✓	—
Section planes	—	✓	—	✓	✓	✓
Drawing Views	—	✓	—	✓	✓	✓

Civil Tools

	Lite	Pro	AutoCAD LT	BIM	Mech	AutoCAD
TIN Surface Modeling	—	✓	—	✓	✓	—
TIN Volume Surface	—	✓	—	✓	✓	—
Grading	—	✓	—	✓	✓	—
Alignments	—	✓	—	✓	✓	—
Civil 3D Object Enabler	✓	✓	—	✓	✓	✓
Architectural Desktop Object Enabler	✓	✓	—	✓	✓	✓
CADWorx Object Enabler	✓	✓	—	✓	✓	✓

Import, Export, Output

	Lite	Pro	AutoCAD LT	BIM	Mech	AutoCAD
Print/Plot	✓	✓	✓	✓	✓	✓
Publish/Batch Plot	✓	✓	✓	✓	✓	✓
CTB & STB Table Files	✓	✓	✓	✓	✓	✓
PC3 Printer Configuration Files	✓	✓	✓	✓	✓	✓
Named Page Setups	✓	✓	✓	✓	✓	✓
PDF Import, Export	✓	✓	✓	✓	✓	✓
DAE Import, Export	✓	✓	—	✓	✓	—
IFC Import, Export	—	—	—	✓	—	—
3DM Import, Export	—	✓	—	✓	✓	—
LandXML Import, Export	—	✓	—	✓	✓	—
RFA Import	—	—	—	✓	—	—
SKP Import	—	✓	—	✓	✓	—
DGN Import	✓	✓	✓	✓	✓	✓
DWF Export	✓	✓	✓	✓	✓	✓
SVG Export	—	✓	—	✓	✓	—
FBX Export	—	✓	—	✓	✓	—
STL Export	—	✓	—	✓	✓	✓
Additional formats available with BricsCAD Communicator	—	✓	—	✓	✓	—

Programming

	Lite	Pro	AutoCAD LT	BIM	Mech	AutoCAD
ActiveX	✓	✓	−	✓	✓	✓
Entity data editor	✓	✓	−	✓	✓	−
Script Recorder	✓	✓	−	✓	✓	✓
Full LISP Support (vl, vlr, vla and vlax)	✓	✓	−	✓	✓	✓
Solutions Development System (SDS/ADS)	✓	✓	−	✓	✓	✓
DCL engine	✓	✓	−	✓	✓	✓
COM API	−	✓	−	✓	✓	✓
Visual Basic for Applications (VBA)	−	✓	−	✓	✓	−
VBA DVB projects support	−	✓	−	✓	✓	−
.NET	−	✓	−	✓	✓	✓
BRX (ARX)	−	✓	−	✓	✓	✓
TX (Teigha eXtensions)	✓	✓	−	✓	✓	−
CUI menu files support, with Diesel expressions	✓	✓	✓	✓	✓	✓

Architectural Tools

	Lite	Pro	AutoCAD LT	BIM	Mech	AutoCAD
BIM features	−	−	−	✓	−	−
Structural Modeling Toolset	−	−	−	✓	−	−
Project Database	−	−	−	✓	−	−
Library Database	−	−	−	✓	−	−
Site, Building and Stories	−	−	−	✓	−	−
Windows and Doors	−	−	−	✓	−	−
Fully Parametric Window Creation	−	−	−	✓	−	−
Rooms (Spaces)	−	−	−	✓	−	−
3D Rooms	−	−	−	✓	−	−
Quickdraw	−	−	−	✓	−	−
Propagate	−	−	−	✓	−	−

	Lite	Pro	AutoCAD LT	BIM	Mech	AutoCAD

Mechanical Tools

	Lite	Pro	AutoCAD LT	BIM	Mech	AutoCAD
Mechanical Browser	–	✓	–	–	✓	–
Parts Library	–	✓	–	–	✓	–
Assembly Modeling	–	✓	–	–	✓	–
Exploded Views	–	–	–	–	✓	–
Kinematic Analysis	–	✓	–	–	✓	–
Bill of Materials	–	–	–	–	✓	–
Sheet Metal	–	–	–	–	✓	–
SMEXTRUDE Command	–	–	–	–	✓	–
SMRIBCREATE Command	–	–	–	–	✓	–
3D Solids Conversion to Unfoldable Sheet Metal Parts	–	–	–	–	✓	–
Corner Relief for Adjacent Edge Flanges	–	–	–	–	✓	–
Lofted Bends	–	–	–	–	✓	–
Coloring	–	–	–	–	✓	–
Diagnostic for Invalid Sheet Metal Features	–	–	–	–	✓	–
Batch Processing	–	–	–	–	✓	–