TurboCAD Comparison with other CAD Tools	TurboCAD®				BricsCAD Windows®			AutoCAD Windows®		ArchiCAD Windows®
	Platinum	Professional	Deluxe	Designer	Platinum	Pro	Classic	2018	LT	
Suggested Retail Price	$1,499.99	$999.99	$199.99	$59.99	$1116	$795	$395	$3,335.00 / year	$1,335.00 / year	$2,995.00 / year including annual subscr
PRODUCT POSITIONING										
2D/3D Drafting with Solid and Surface Modeling	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2D/3D with 3D Surface Modeling	✓	✓	✓	-	✓	✓	-	✓	✓	✓
2D Drafting with AutoCAD® like User Interface Option	✓	✓	✓	-	✓	✓	-	✓	✓	✓
2D Drafting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
USABILITY & INTERFACE										
32-bit and 64-bit versions	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
Command Line	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
PUBLISH command	✓	✓	-	-	✓	✓	-	✓	✓	-
FLATSACT command	-	-	-	-	✓	✓	✓	✓	-	-
HEDGES command	-	-	-	-	✓	✓	✓	✓	-	-
HIDEISOLATED command	-	-	-	-	✓	✓	✓	✓	✓	-
Select Similar Command	-	-	-	-	✓	✓	✓	✓	✓	-
REGETBLOCK command	-	-	-	-	✓	✓	✓	✓	✓	-
Design Director - for object property management	✓	✓	✓	-	-	-	-	✓	✓	-
Draw Order by Layer	✓	✓	✓	-	✓	✓	-	✓	✓	-
Dynamic Input Cursor	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Conceptual Selector	✓	✓	✓	-	-	-	-	✓	-	✓
Explode Viewports	✓	✓	-	-	✓	✓	-	✓	-	✓
Explorer Palette	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Compass Rose	✓	✓	✓	-	-	-	-	✓	✓	✓
Image Manager	✓	✓	✓	-	-	-	-	✓	✓	✓
Intelligent Cursor	✓	✓	✓	-	-	-	-	✓	✓	✓
Intelligent File Send (E-pack)	✓	✓	-	-	-	-	-	✓	✓	✓
Layer preview	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Layer Filters	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Layer Management (Layer States Manager)	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Deletion of $Construction and $Constraints layers	✓	✓	✓	-	✓	✓	-	✓	-	✓
Measurement Tool	✓	✓	✓	-	✓	✓	-	✓	Distance Tool	✓
Object SNAP Prioritization	✓	✓	✓	-	✓	✓	-	✓	-	✓
SNAP between two points	✓	✓	✓	-	✓	✓	-	✓	-	✓
Protractor Tool	✓	✓	✓	-	-	-	-	✓	-	✓
Flexible UI	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Dual Interface	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Walkthrough navigation	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Timestamp	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Transparent and Bit-mapped Fills	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Contact Manager / File Sharing	✓	✓	✓	-	✓	✓	-	✓	✓	✓
View 3D Models	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Autosave	✓	✓	✓	-	✓	✓	-	✓	✓	✓
File Buffer	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Untitled Documents	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
2D DRAFTING AND EDITING										
2D Geometric and Dimension Constraints	✓	✓	✓	✓	✓	✓	✓	✓	View/Edit only	✓
Multiines and multiline styles	✓	✓	✓	✓	✓	✓	✓	✓	View/Edit only	✓
2D Drawing, Editing and Modifying	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Advanced Drawing Tools (Gear, Surface Tolerance)	✓	✓	-	-	✓	✓	-	✓	-	✓
Arrow Line	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Auto Tools (for Scaling, Sizing, Positioning, Rotating, and Movement)	✓	✓	✓	-	-	-	-	✓	✓	✓
Spline Curves / Bezier curves	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Centerline and Center Mark	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CTB Print Style Support	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
Construct Similar	✓	✓	-	-	-	-	-	✓	✓	✓
Drawing Compare	✓	✓	-	-	-	-	-	✓	✓	✓
Drafting and Detailing Palette - create associative sections and cut planes	✓	✓	-	-	✓	✓	-	✓	-	✓
Gradient Fills	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
Hatch Pattern Creator	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
Pick Point Hatching	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
Index Color Support	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
Line Style Editor	✓	✓	-	-	✓	✓	-	✓	✓	✓
Formulas in table cells	✓	✓	-	-	✓	✓	-	✓	✓	✓
PDF Underlay Tool	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
Purge Tool	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
Relative Angle Field	✓	✓	✓	-	-	-	-	✓	✓	✓
Smart and Quick Dimension Tools	✓	✓	✓	-	-	-	-	✓	✓	✓
Arrlw Support	✓	✓	✓	-	-	-	-	✓	✓	✓
ISO Circle/Grid	✓	✓	✓	-	-	-	-	✓	✓	✓
3D Object option for 3D Polyline, 3D Curve	✓	✓	✓	-	-	-	-	✓	✓	-
Markup Support	✓	✓	✓	-	-	-	-	✓	✓	-
Remove Overlapping Tool	✓	✓	-	-	Add-on	Add-on	Add-on	✓	✓	-
Trace Tools	✓	✓	✓	-	-	-	-	✓	✓	-
Highlight End Points	✓	✓	✓	✓	✓	✓	-	✓	✓	-
3D DRAWING, MODELING, AND EDITING										
AutoCAD 2018 Teigha support	✓	✓	✓	✓	✓	✓	✓	✓	-	-
ACIS® Solid Modeling	✓	✓	✓	✓	✓	✓	✓	✓	Partial	✓
Assembly Tools	✓	✓	✓	✓	✓	✓	-	✓	-	-
3D Booleans - Add, Subtract, Intersection , Slice	✓	✓	✓	✓	✓	✓	-	✓	-	Except Slice
Pattern Tools	✓	✓	✓	-	✓	✓	-	✓	-	✓
3D Helix	✓	✓	✓	-	✓	✓	-	✓	-	✓
3D Patterns from Compound Profiles	✓	✓	✓	-	✓	✓	-	✓	-	✓
3D Polylines	✓	✓	✓	-	✓	✓	-	✓	-	✓
3D Slice by Facet	✓	✓	-	-	✓	✓	-	✓	-	✓
3D Spline	✓	✓	✓	-	✓	✓	-	✓	-	✓
3D Surface Primitives - Box, Related Box, Cone, Cylinder, Polygonal Prism, Sphere, Hemisphere, Tor	✓	✓	✓	-	✓	✓	-	✓	-	✓
Thread tool	✓	✓	✓	-	✓	✓	-	✓	-	✓
Bend by Sketch, Patch	✓	-	-	-	✓	✓	-	✓	-	✓
Stretch Entity	✓	✓	-	-	✓	✓	-	✓	-	✓
Extract Entity	✓	✓	-	-	✓	✓	-	✓	-	✓
Extrude (simple)	✓	✓	-	-	✓	✓	-	✓	-	✓
Imprint Edge	✓	✓	-	-	✓	✓	-	✓	-	✓
Lace Tools - Curve from Lace; Surface with Lace; Offset with Lace; Warp Entity by Lace	✓	-	-	-	-	-	-	✓	-	✓
Lofting to a Point	✓	✓	-	-	-	-	-	✓	-	✓
Move Copy Tool for 3D Objects	✓	✓	✓	-	✓	✓	-	✓	-	✓
NURBS Support	✓	-	-	-	-	-	-	✓	-	In GDL
Part Tree/History Tree	✓	-	-	-	-	-	-	✓	-	-
Quick Pull Tool	✓	✓	-	-	-	-	-	PressPull Command	-	✓
Rail Sweep	✓	✓	✓	-	✓	✓	-	✓	-	✓
Revolve	✓	✓	✓	-	✓	✓	-	✓	-	✓
Sheet Metal Gusset, Solid Gusset (Stiffening Rib)	✓	✓	-	-	-	-	-	✓	-	✓
Slot Tools	✓	✓	✓	-	✓	✓	-	✓	-	✓
Smooth Surface Meshes (SMESH)	✓	-	-	-	✓	✓	-	✓	-	✓
Tweak Face	✓	✓	-	-	✓	✓	-	✓	-	✓
Twist Entity	✓	✓	-	-	✓	✓	-	✓	-	✓
Extrude Face Tools	✓	✓	-	-	✓	✓	-	✓	-	✓
Twisted Extrude	✓	✓	-	-	✓	✓	-	✓	-	✓
Unfoldf / Unfold Tools	✓	✓	-	-	✓	✓	-	✓	-	✓
Unwrapping of Surfaces	✓	-	-	-	✓	✓	-	✓	-	✓
Dynamic UCS	✓	✓	✓	-	✓	✓	-	✓	-	✓
Sheet Thicken	✓	✓	✓	-	✓	✓	-	✓	-	✓
Elements Size property	✓	✓	✓	✓	✓	✓	-	✓	-	✓
QuickPull for Surfaces	✓	✓	✓	-	✓	✓	-	✓	-	✓
Trim by Entity tool	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3D Point measure	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Isolate the objects tool	✓	✓	✓	-	✓	✓	-	✓	-	✓
Flatten Selection to Workplane	✓	✓	✓	-	✓	✓	-	✓	-	✓
ARCHITECTURAL										
Walls (Self-Healing; Straight, Curved; Block Insert)	✓	✓	✓	✓	✓	✓	-	✓	-	✓
Beams	✓	✓	✓	-	✓	✓	-	✓	-	✓
Doors	✓	✓	✓	-	✓	✓	-	✓	-	✓
Markers	✓	✓	✓	-	✓	✓	-	✓	-	✓
Roofs	✓	✓	✓	-	✓	✓	-	✓	-	✓
Slabs	✓	✓	✓	-	✓	✓	-	✓	-	✓
Quick Sketch Wall Justification	✓	✓	-	-	-	-	-	✓	-	✓
Stairs	✓	✓	-	-	-	-	-	✓	-	✓
Windows	✓	✓	✓	-	✓	✓	-	✓	-	✓
Architectural Sections and Elevations	✓	✓	-	-	✓	✓	-	✓	-	Elevation Only
Entity Marks - with Property Set Definitions	✓	✓	-	-	✓	✓	-	✓	-	✓
House Builder Wizard	✓	✓	✓	-	✓	✓	-	✓	-	✓
Roof Slab Openings	✓	✓	-	-	✓	✓	-	✓	-	✓
Roof Slab Trim and Miter tools	✓	✓	-	-	✓	✓	-	✓	-	✓
Schedule Tool and Wizard	✓	✓	-	-	✓	✓	-	✓	-	✓
Self-Aligning Blocks	✓	✓	✓	-	✓	✓	-	✓	-	✓
Dynamic preview for Slab style	✓	-	-	-	✓	✓	-	✓	-	✓
Improved BIM via IFC Support	✓	-	Limited	-	✓	✓	-	✓	-	✓
Stair by Linework	✓	-	-	-	✓	✓	-	✓	-	✓
Terrain Data (XYZ) File Import and Export Support	✓	-	-	-	✓	✓	-	✓	-	✓
Style Manager	✓	Limited	Limited	-	✓	✓	-	✓	-	✓
PHOTOREALISTIC RENDERING AND VISUALIZATION										
3D Photorealistic Rendering	✓	✓	✓	-	✓	✓	-	✓	-	✓
Customizable Luminances and Material Libraries	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Advance Rendering	✓	✓	-	-	✓	✓	-	✓	-	✓
New post processing effects	✓	✓	-	-	✓	✓	-	✓	-	✓
Visual Styles	✓	✓	✓	-	✓	✓	Partial	✓	✓	✓
Environments Library	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Luminance of Objects, Anti-aliasing	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Shadow Casting	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Hidden Line Rendering	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Ray Tracing	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Sun Position	✓	✓	-	-	✓	✓	-	✓	✓	✓
Render Manager	✓	✓	-	-	✓	✓	-	✓	✓	✓
UV Mapping - now includes SMESH Objects	✓	✓	-	-	✓	✓	-	✓	✓	✓
Dynamic Cutaway Plane	✓	✓	-	-	✓	✓	-	✓	✓	✓
Sketch Rendering (non photo realistic)	✓	✓	-	-	✓	✓	-	✓	✓	✓
Geo-located Sun	✓	✓	-	-	-	-	-	✓	✓	✓
DATABASE AND PROGRAMMATIC SUPPORT; CONTENT										
Block attribute definition manager	✓	✓	✓	-	✓	✓	✓	✓	✓	-
Block attribute redefinition	✓	✓	✓	-	✓	✓	✓	✓	✓	-
Blocks, Block Editor and Xref Support	✓	-	✓	xref exclusion	✓	✓	-	✓	✓	-
Internal Database and Custom Data; External Database Connectivity	✓	Only Internal	-	-	✓	✓	-	Only External	-	✓
Database Report	✓	-	-	-	✓	✓	-	✓	✓	✓
Parametric Parts Editor	✓	-	-	-	✓	✓	-	✓	✓	✓
Programmable SDK	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Symbols, Part Library	✓	✓	✓	-	✓	✓	-	✓	✓	✓
.NET	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Table Styles with Property Set Definitions	✓	✓	-	-	✓	✓	-	✓	-	✓
INTEROPERABILITY										
Adobe 3D PDF (U3D and .PRC) Export	✓	U3D only	-	-	✓	✓	-	✓	✓	✓
CTB / STB table files	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
AutoCAD (DXF, DWG, and DWF) File Compatibility	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
GNS import/export	✓	✓	Export Only	-	✓	✓	-	✓	-	✓
Export to SVG	✓	✓	-	-	✓	✓	-	✓	-	✓
3D Vector PDF Import Filter	✓	✓	-	-	✓	✓	-	✓	-	✓
Import / Open File Formats	✓	✓	22	15	✓	11	8	19	12	31
Export, Save As, and Publish File Formats	✓	✓	24	16	✓	8	-	11	9	49
Enhanced SketchUp File (SKP) Import – geometry, views, materials, components	✓	✓	✓	✓	✓	✓	-	✓	-	✓
File Conversion Tool with Batch File Conversion	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
Open and Save 3DM (Rhino), OBJ, SHX (save only) , STP files	✓	✓	✓	✓	✓	✓	-	All except OBJ	-	Only OBJ, Rhino
TAP File Import - Import TurboArch files from mobile devices	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
Google Earth .KML and KMZ File Support	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
Markup Support	✓	✓	✓	-	✓	✓	-	✓	✓	✓
Point Cloud Support (PCD, PCG, XYZ, ASC)	✓	✓	✓	-	✓	✓	-	✓	✓	✓
OTHER										
Relative Angle fields for Wall and Polyline Arcs	✓	-	✓	✓	✓	✓	-	✓	-	✓
Combined Build Mechanism with stepped feature set	✓	Yes	-	-	✓	Yes	-	Yes	-	Yes
"Space Event" auditing	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
Network License Support	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Single License	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lock Files	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Training Program	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Volume / Corporate / Academic License	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Extended Quad Cursor	✓	✓	✓	-	✓	✓	✓	✓	✓	-
Persistent protection	✓	✓	✓	-	✓	✓	✓	✓	✓	-
Sheet set manager	✓	✓	✓	-	✓	✓	✓	✓	✓	-
3D Printer Support via STL File Import and Export	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
3D connexion mouse	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
Printer calibration	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
LocalForm widgie	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
Searchable Settings Manager	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
Extended Drawing Explorer	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
SnapTrack™ & Polar tracking	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
Quick Select tool	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
Geometric 3D constraints	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
Geometry Healing	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
Mechanical browser	✓	✓	✓	-	✓	Partial	-	✓	✓	✓
Bill of materials	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multi-platform licenses	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Layout printing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Shade plot for paperspace and modelspace viewports	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PC3 printer configuration files	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Real time boundary detection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multithreading	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
Preview filter	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
Dynamic Arrays	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
Table extraction wizard	✓	✓	✓	-	✓	✓	✓	✓	✓	✓