

TurboCAD vs. AutoCAD Comparative Matrix					
	TurboCAD Pro Platinum 17	TurboCAD Pro 17	TurboCAD Deluxe 17	AutoCAD 2010	AutoCAD LT 2010
Suggested Retail Price	\$1,495	\$1,295	\$129.95	\$3,995	\$1,200
<b>USABILITY &amp; INTERFACE</b>					
Command Line				✓	✓
Fully Customizable User Interface and Preferences	✓	✓	✓	✓	✓
Advanced Handle-Based Editing	✓	✓	✓	✓	✓
Drawing Performance - (TurboCAD includes Redway3d drawing engine)	✓	✓		✓	✓
Draw Order by Layer	✓	✓	✓		
Explode Viewports	✓	✓	✓		
Layer Filters	✓	✓	✓	✓	✓
SNAP Prioritization	✓	✓	✓		
True Units Retained between Drawings with Different Unit Settings	✓	✓	✓		
Drawing Compare	(1)				
<b>2D Drafting and Editing</b>					
Auto Tools (for Scaling, Sizing, Positioning, Rotating, and Movement)	✓	✓	✓	✓	✓
2D Drawing, Editing, and Modifying	✓	✓	✓	✓	✓
Bezier Curves	✓	✓	✓		
Transparent and Bitmap Fills	✓	✓	✓		
CTB Print Style Support	✓	✓	✓	✓	✓
Drafting and Detailing Palette - create associative sections and cut planes	✓	✓			
Index Color Support	✓	✓	✓	✓	✓
Layer Properties Manager	✓	✓	✓	✓	✓
Smart and Quick Dimension Tools	✓	✓	✓	✓	✓
Xclip Support	✓	✓		✓	✓
<b>3D Modeling</b>					
3D Solid Modeling and Editing	✓	✓		✓	
3D Terrain Modeling	✓	✓			
3D Shelling, Lofting and Surfaces	✓	✓		✓	
3D Deformable Modeling	✓	✓		✓	✓
3D Pattern Copy Tools	✓				
Quick Pull Tool	✓	✓			
Parametric Part Maker and Manager	✓	✓			
History Tree with Editor	✓	✓			
<b>Mechanical</b>					
2D Geometric and Dimension Constraints	✓	✓		✓	
Adhesive Symbol Tool (fully parametric)	✓	✓			
Branched Lofting	✓	✓			
Face-to-Face Lofting	✓	✓			
Gear Contour Tool	✓	✓	✓		
Geometric Tolerance Tool	✓				
Surface Roughness and Weld Symbols	✓	✓			

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## Architectural

Intelligent (Parametric) Attribute-rich, Architectural Objects (2)					
Walls (Self-Healing; Straight, Curved; Block Insert)	✓	✓	✓		
Multi-Component Walls	✓				
Doors	✓	✓	✓		
Windows	✓	✓	✓		
Roofs	✓	✓	✓		
Slabs	✓				
Stairs	✓	✓			
Rails	✓				
Markers	✓	✓	✓		
Schedule	✓	✓	✓		
Schedule Tool and Wizard	✓	✓	✓		
Architectural Sections and Elevations (3D-to-2D documentation)	✓	✓			
Style Manager	✓	✓			

## Photorealistic Rendering

Advanced Rendering - customizable ray tracing, sketch rendering, depth of field	✓	✓			
Photorealistic Rendering and Materials	✓	✓	✓	✓	
OpenGL (Draft) Rendering	✓	✓	✓	✓	
Material Library	✓	✓	✓	✓	
Ray Tracing	✓	✓	✓	✓	
Radiosity	✓	✓	✓	✓	
Multiple Lighting Types & Settings	✓	✓	✓	✓	

## Programmatic Support & Content

Blocks, Block Editor and Xref Support	✓	✓	✓	✓	✓
Macro Recorder	✓	✓		✓	
Programmable SDK	✓	✓		✓	

## Interoperability

AutoCAD (DXF, DWG, and DWF) File Compatibility	✓	✓	✓	✓	✓
Import and Open File Formats	40	40	16	28	19
Export, Save As, and Publish File Formats	31	31	19	21	7
Enhanced SketchUp File (SKP) - geometry, views, materials, components	✓	✓	✓		
File Conversion Tool with Batch File Conversion	✓	✓			
Open and Save 3DM (Rhino), IGS, OBJ, SAT, STL, STP mechanical drawings	✓	✓			
Terrain Data (XYZ) File Support	✓	✓	✓		

✓ New to TurboCAD v17

(1) Limited time offer: Drawing Compare plug-in included with TurboCAD Pro Platinum

(2) TurboCAD can read and display AutoCAD Architecture (ACA)-compliant objects embedded in DWG files