

# TurboCAD® 19 Pro

<b>TurboCAD® Pro 19 Feature Highlights</b>		SUGGESTED RETAIL PRICE		
		TurboCAD® Pro \$1,295	TurboCAD® Pro Platinum \$1,495	AutoCAD® 2012 \$3,995
<b>USABILITY &amp; INTERFACE</b>				
Fully Customizable User Interface & Preferences	✓	✓	✓	
Easy Handle-Based Editing	✓	✓	✓	
Performance Enhanced via Integrated Redway3d Drawing engine	✓	✓	✓	
Draw Order by Layer	✓	✓	✓	
Explode Viewports	✓	✓	✓	
Layer Filters	✓	✓	✓	
Smart Dimension Tool	✓	✓	✓	
SNAP Prioritization	✓	✓	✓	
Transparent & Bit-mapped Fills	✓	✓	✓	
<b>2D DRAFTING &amp; EDITING</b>				
Auto Tools (Scale, Size, Position, Rotation, Movement)	✓	✓	✓	
2D Drawing, Editing & Modifying	✓	✓	✓	
Drafting Palette (Create associative sections & cut planes)	✓	✓	✓	
Copy In Place Tool	✓	✓	✓	
PDF Underlay Tool (32-Bit version only)	✓	✓	✓	
Smart & Quick Dimension Tools	✓	✓	✓	
Xclip Support	✓	✓	✓	
<b>3D MODELING</b>				
3D Solid Modeling & Editing	✓	✓	✓	
3D Terrain Modeling	✓	✓	✓	
3D Shelling, Lofting & Surfaces	✓	✓	✓	
Smooth Surface Mesh Tools		✓	✓	
3D Deformable Modeling	✓	✓	✓	
3D Pattern Copy Tools		✓	✓	
History Tree with Editor	✓	✓	✓	
<b>ARCHITECTURAL</b>				
Intelligent (Parametric) Attribute-rich Architectural Objects				
Walls (Self-Healing; Straight, Curved; Block Insert)	✓	✓	✓	
Windows & Doors	✓	✓	✓	
Muntins - both Doors & Windows		✓	✓	
Roofs, Slabs, Stairs & Rails	✓	✓	✓	
House Wizard	✓	✓	✓	
Component Walls		✓	✓	
Architectural Sections & Elevations (3D-2D documentation)		✓	✓	
Self-Aligning Blocks	✓	✓	✓	
Geo-Location of Drawing	✓	✓	✓	
Style Manager	✓	✓	✓	
<b>MECHANICAL</b>				
2D Geometric & Dimension Constraints	✓	✓	✓	
Branched Lofting & Face-to-Face Lofting	✓	✓	✓	
Geometric Tolerance Tool		✓	✓	
3D Fillet	✓	✓	✓	
3D Thread & Hole Tools		✓	✓	
<b>PHOTOREALISTIC RENDERING</b>				
Advance Rendering - customizable ray tracing, sketch rendering, depth of field	✓	✓	✓	
Photorealistic Rendering & Materials with Open GL (Draft) Rendering	✓	✓	✓	
Material Library	✓	✓	✓	
Ray Tracing	✓	✓	✓	
Radiosity	✓	✓	✓	
<b>PROGRAMMATIC SUPPORT &amp; CONTENT</b>				
Blocks, Block Editor & Xref Support	✓	✓	✓	
Ruby Scripting	✓	✓	✓	
Drawing Compare	✓	✓	✓	
Programmable SDK	✓	✓	✓	
<b>INTEROPERABILITY</b>				
AutoCAD® (.DWG™, .DWF & .DXF) File Compatibility	✓	✓	✓	
Import & Open File Formats	40	40	10	
Export, Save As & Publish File Formats	31	31	16	
Google™ SketchUp™ (SKP) Import (geometry, views, materials, components) & Exports	✓	✓	✓	
Open & Save 3DM (Rhino), IGES, OBJ, SAT, STL, STP mechanical drawings	✓	✓	✓	
Terrain Data (XYZ) File Import & Export Support	✓	✓	✓	