TurboCAD Professional Feature Comparison

Feature	Description	TurboCAD Pro 17	TurboCAD Pro Platinum 17
Useability			
Customisable user interface and preferences		√	√
Advanced Handle based editing	Click on a portion of a drawing and size, scale, rotate or move with the mouse	√	√
Drawing Performance	Includes RedWay3D drawing engine	√	√
Layer Filters	Layer filters organise layers by a defined set of parameters	√	√
Software Developers Kit	Extend application functionality developing new tools, functions, behaviours etc	√	√
Drafting & Editing			
Auto Tools	For scaling, sizing, positioning, rotating and movement	√	√
Bezier Curves	To model smooth curves that can be scaled indefinitely	√	√
CTB Print Style Support	CTB files contain mappings of colours to the display objects which allow objects to be rendered using the correct colours	√	√
Index Colour Support	Corresponds to the 255 Colour Index used in AutoCAD products	√	√
XClip Support	To set clipping boundaries for Xrefs [External References] and blocks	√	√
Advanced Part Tree	Most 3D primitives and the Pro 3D design and modification Tools may be driven by the Advanced Part Tree	-	√
3D Modeling			
Photo-realistic Rendering and Materials		√	√
3D Modeling and Editing	Full 3D modeling utilising the ACIS v20 solid-modeling engine	√	√
3D Terrain Modeling	Creates a topographical terrain, represented by triangulated network	√	√
3D Shelling Lofting and Surfaces		√	√
History Tree with Editor	Edit properties and parameters of 3D objects, taking into account the order in which the objects were created.	-	√
3D Solid Pattern Tools	Eeasier creation of 3D shapes including patterns applied to spheres and cylinders, radial patterns, patterns along a curve and 3D arrays	-	√
History enabled editing of ACIS objects	Edit properties and parameters of 3D objects, taking into account the order in which the objects were created.	-	√
Architectural			
Walls	Self healing, straight, curved, block insert	√	√
Multi-Component Walls	Walls are composed of components with each component representing a part of the walls geometry	√	√
Schedule Tool and Wizard	Creates a table in your file detailing all selected walls, windows, doors, and/or slabs	√	√
Architectural Sections and Elevations	3D to 2D documentation	√	√
Style Manager	The Style Manager enables you to define styles for commonly-used objects	√	√
Parametric Rails and Slabs	Parametric Slabs can be automatically generated from walls in a variety of shapes & sizes with holes added to accommodate columns, stair wells or lift shafts.	-	√

	Parametric Rails can be added to the either side of stairs or affixed to balconies and fences with a single click		
Door & Window Muntins	Create any style of door or window easily. AutoCAD Architecture (ACA) compatible Door and Window Muntins expand your options for parametrically creating the exact object types for your design.	-	√
Wall Modifiers	Create precise shapes for your walls. Now with both custom top and bottom wall modifiers.	-	√
Mechanical			
Gear contour tool	Creates outline for a toothed gear (defining angle, teeth, pitch)	√	√
2D Geometric and Dimension Constraints	Modify designs using geometric and dimensional constraints	√	√
Additional Advanced Design and Modification Tools	Advanced tools for Solid and Surface modeling	√	√
3D Pattern Copy Tools	Five new pattern tools allow for 3D shapes that couldn't easily be drawn before	-	√
Geometric Tolerance Tool	Provides instruction on production tolerances (DWG compatible)	-	√
Enhanced Constraints	Midpoint Constraint and Pattern Constraints to allow parametrically defined arrays of drawn objects. Rapidly design mechanical parts with repetitive structures. Arrayed patterns such as ventilation holes, keypad designs, and more can be designed and merged with other objects.	-	√
Interoperability			
AutoCAD File Compatibility	.DWG, .DXF, .DWF	√	√
Import and Open file formats		40	40
Export, Save As and Publish file formats		31	31
Enhanced Google SketchUp [SKP]	Geometry, views, materials, components	√	√
Open/Save mechanical drawings	Rhino [3DM], IGS, OBJ, SAT, STL, STP	√	√
File Conversion Tool with Batch Tool Conversion		√	√
Terrain Data [XYZ] Support	Creates a topographical terrain, represented by a triangulated network,from scratch, or import coordinates from a file	√	√

* features only available in TurboCAD Professional Platinum