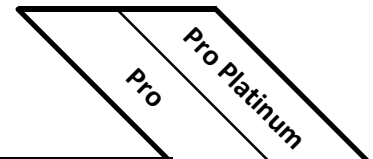
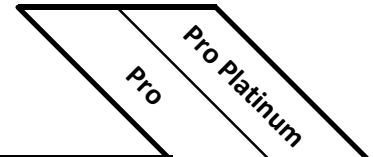


What's New Since You Last Upgraded



Feature	Description	17	
DRAFTING/DETAILING			
Blocks and Groups	In-place editing of blocks and groups.	●	●
Drafting Palette Object Caching	Ability to lock/unlock section, elevation, and detailed views so that they are not updated with each model change speeding up overall modeling performance.	●	●
Index Color Support	Index Colors added. Includes proper round-tripping of .DWG files.	●	●
Layer Filters	Layer filters help organize layers by a defined set of parameters.	●	●
Layer Management	Addition of Line Style, Pen Width, and Print Style parameters to Design Director and Drawing Setup.	●	●
Line Width Scaling	New value "Device width" for TC pen property "Line Width Scale System" was added.	●	●
Meet 2 Lines tool	Bezier and spline curves are now supported.	●	●
Multilanguage support	Input, edit, and visualize objects name (Layers, blocks, styles, etc.) independent of the current local OS system settings.	●	●
Multi-Leader	New leader type with multiple arms.	●	●
Section Detail tool	Enables closed 2D entities (circles, polygons, polylines) to act as a cutting contour with other intersecting 2D objects.	●	●
Surface Measurement	New option to perform measurements of surface areas and volumes of 3D Surface Objects.	●	●
XClip	Added Xclip functionality comparable to AutoCAD® Xclip command.	●	●
Xref Binding	Xrefs can be bound to the main drawing. Bound Xrefs may be exploded. Xref layer properties can be changed in the main drawing.	●	●
Multi-Text, Text	Double-click Text or M-Text to enter edit mode.	●	●
Paper Space Templates	Insert and extract specific Paper Spaces from other .TCT (TurboCAD templates), .TCW, and .DWG files. Ability to define different printers and printer settings for each Paper Space.	●	●
Pick-Point Hatching	Redesigned tool that streamlines the pick point hatch process.	●	●
Shrink/Extend tool	Bezier and spline curves are now supported.	●	●
Viewport Explode	Viewports may be exploded to create flat 2D geometry, supports hidden line or wireframe views.	●	●
Templates	Improved Architectural and Metric templates.	●	●
3D MODELING			
Quick Pull Tool	Select any enclosed geometry on a 3D face and press it into or pull it out of the design. Specify draft angle and add a chamfer or fillet. Works with solids or surfaces.	●	●
Rail Sweep	Optionally use a compound path including vertical profile orientation relative to path.	●	●
Revolve Tool	Optionally use a compound profile that contains holes.	●	●
3D ACIS® modeler	Added to v17 - Updated Solid Modeling engine - improved performance, improved performance with InterOp filters (STEP and IGES), improve projection functionality.	●	●
3D Booleans	Added to v16 - Ability to select multiple entities for addition or subtraction.	●	●
Parametric Parts	Added in v17 - Additional functions supported in scripts. Beta capability to optionally import Dynamic Components from SketchUp drawings and have them converted to a Parametric Parts.	●	●

What's New Since You Last Upgraded



Feature	Description	17	
ARCHITECTURAL			
Walls	Added to v17 - New top and bottom wall profile modifiers. New Link Wall Segments option added; new property, Autocleanup added.	●	●
Doors and Windows	Added to v17 - New Muntins tool that allows for definition of type and style of window pane holder/separator in doors and windows; Added to v16 - "Right/Left" and "Inside/Outside" flip options added to Node Editing making precise placement easier.	●	●
Railings	Added to v17 - Separate materials can be defined for each Rail element. Added to v16 - More extensive parameters for styles, location, extensions, and more. Attach railings or banisters to both sides of stairs at once.		●
Style Manager	Define and reuse custom style guides for architectural object types. This was expanded with v16 to include schedules, text, and dimensions (both AEC and non-AEC). Added to v16 were pre-configured styles for Component Walls, Windows, Doors, Stairs, Slabs, Rails, Tables, and text.		●
Terrain Tool	Added to v15 - Create terrain objects from selected points, with v17 terrains may be imported from XYZ or CSV files.	●	●
1st Pricing Plug-in	A BIM-oriented plug-in for pricing Windows, Doors, and Skylights.	●	●
MECHANICAL			
Geometric Tolerance	New tool for mechanical designers that allows them to tell a machine shop/manufacturer how to machine a part.		●
Pattern Tools	5 pattern copy tools which allow the user to very simply apply repeating geometries on ACIS objects. Patterns are parametric and can interact with entities through Boolean operations.		●
Symmetrical Constraints	Create symmetrical constraints for end points of arcs and lines.	●	●
RENDERING/VISUALIZATION			
Drawing Performance	Huge speed improvement in panning, zooming, and rotating objects with addition of Redway engine.	●	●
INTEROPERABILITY & PROGRAMMABILITY			
Software Developers' Kit (SDK)	New example code, additional function, updated documentation, and object definitions.	●	●
.DWG/.DXF	Added to v17 - 2010 format support. Index color support. Define line weight for import. Import Multi-Leader objects and styles. Support Layer Filters. Added to v16 - Support Xrefs.	●	●
Color Table (CTB) Print Style Support	AutoCAD® Color Table (.CTB) file support.	●	●
.SKP (Google SketchUp)	Added to v17 - Improved export filter. Added to v16 - Export added while .SKP import (v5, v6, v7) creates a paper space with a viewport set to proper visibility for each scene.	●	●
COLLADA (.DAE) Export	Added to v17 - Major update includes layer and instances. New in v15, COLLADA offers works well with Google™ SketchUp™, Google Earth, and a growing number of other platforms.	●	●
Proxy Object support (.TCW)	Save proxy object option allows for faster file opening; TC Deluxe and Designer will be able to display (Pro specific) proxy objects.	●	●
.EPS	Updated and improved file import capabilities.	●	●
.STEP and .IGES	Improved file filter performance.	●	●

Key: ● Better - Feature has been further enhanced; ● Best - The latest, fully up-to-date technology