

# TurboCAD v24 porovnání klíčových vlastností

Který TurboCAD je pro Vás nevhodnější?	<u>Pro Platinum</u>	<u>Expert</u>	<u>Deluxe</u>	<u>Designer</u>
<b>Doporučená maloobchodní cena</b>	35.990 Kč	12.990 Kč	4.990 Kč	1.290 Kč
<b>UI &amp; PERFORMANCE</b>				
Fully Customizable User Interface and Preferences	✓	✓	✓	✓
AutoCAD®-like 2D Drafting Interface Options	✓	✓		
Command Line with Dynamic Input Cursor	✓	✓		
Easy, Handle-Based Editing	✓	✓	✓	✓
Redsdk 4.2 Drawing Engine (GPU Accelerated)	✓	✓	✓	
ePack with New Intelligent File Send	✓			
PDF Underlay Tool	✓	✓		
Purge Tool	✓			
Windows 64-bit and 32-bit Compatible Versions	✓	✓	✓	✓
Design Director - for object property management	✓	✓	✓	
Layer Filters	✓	✓	✓	
Layer Management	✓	✓	✓	✓
Conceptual Selector	✓	✓	✓	
Timestamp	✓	✓	✓	✓
<b>2D DRAFTING &amp; EDITING</b>				
2D Drawing, Editing and Modifying	✓	✓	✓	✓
Advanced Drawing Tools (Gear, Surface Tolerance, Text along Curve)	✓			
Drafting and Detailing Palette - create associative sections and cut planes	✓			
2D Geometric and Dimension Constraints	✓			
Associative Arrays and Pattern Tools	✓	✓		
Arrow tools	✓	✓		
Auto Tools (for Scaling, Sizing, Positioning, Rotating, and Movement)	✓	✓	✓	✓
Bezier and Fair Curves	✓	✓		
Centerline and Center Mark	✓	✓	✓	✓
Hatch Pattern Creator & Gradient Fills	✓	✓		
Smart and Quick Dimension Tools	✓	✓	✓	✓
Relative Angle Field	✓	✓	✓	✓
<b>3D DRAWING, MODELING, &amp; EDITING</b>				

3D Surface Primitives	✓	✓	✓
3D Booleans - Add, Subtract, Intersection	✓	✓	✓
3D Helix	✓	✓	✓
3D Splines and Polylines	✓	✓	✓
Extrude (simple)	✓	✓	✓
Assembly Tools	✓	✓	✓
Sweep	✓	✓	✓
Revolve	✓	✓	✓
Advanced Blending Functionality	✓		
Slot Tools	✓	✓	✓
3D Patterns from Compound Profiles	✓		
Mirror Copy Tool for 3D Objects	✓	✓	✓
3D Slice by Facet	✓		

### SOLID MODELING & ADVANCED MECHANICAL DESIGN

Part Tree/History Tree	✓
ACIS® Solid Modeling	✓
Thread tool	✓
Stretch Entity	✓
Extract Entity	✓
Push/Pull Tool	✓
Imprint	✓
Law Tools - Curve from Law; Surface with Laws; Offset with Law; Warp Entity by Law	✓
Lofting	✓
NURBS Support	✓
Sheet Metal Tools (bend and unbend, flange, gusset and rib)	✓
Smooth Surface Meshes (SMesh)	✓
Tweak Face and Revolve Face	✓
Twist Entity	✓
Twisted Extrude, Extrude to Face Tools	✓

### ADVANCED ARCHITECTURAL DESIGN & GIS

House Builder Wizard	✓	✓	✓	
Simple BIM via IFC Support	✓	<b>Import only</b>	<b>Limited</b>	
Intelligent (Parametric) Attribute-rich, Architectural Objects*				
Walls (Self-Healing; Straight, Curved; Block Insert)	✓	✓	✓	✓
Compound Wall Definitions / Multi-Component Walls	✓			
Windows & Doors	✓	✓	✓	
Muntins - for Windows & Doors	✓			

Roofs	✓	✓	✓	
Slabs (Floor and Roof Slabs, now with openings)	✓	✓		
Stairs	✓			
Rails	✓			
Markers	✓	✓	✓	
Schedule	✓	✓	✓	
Schedule Tool and Wizard	✓	✓		
Architectural Sections and Elevations (3D-to-2D documentation)	✓	✓		
Style Manager	✓	Limited	Limited	
Self-Trimming and Self-Aligning Blocks	✓	✓	✓	✓
Geolocation of Drawings, Compass Rose	✓	✓	✓	

### PHOTOREALISTIC RENDERING AND VISUALIZATION

3D Photorealistic Rendering	✓	✓	✓	
Customizable Luminances and Material Libraries	✓	✓	✓	
Advance Rendering	✓			
Caustics for Sun Lights	✓	✓	✓	
Customizable Environments Library	✓	✓	✓	
Luminance of Objects, Shadow Casting, Anti-aliasing	✓	✓	✓	
OpenGL & Hidden Line Rendering	✓	✓	✓	
Ray Tracing	✓	✓	✓	
Render Manager	✓	✓	✓	
Shared Shader Sets - support of legacy drawings	✓	✓	✓	
UV Mapping - now includes SMesh Objects	✓			
Volumetric Rendering Effects	✓	✓	✓	
Dynamic Cutaway Plane	✓			
Geo-located Sun & Physical Sky Lighting	✓	✓	✓	

### DATABASE AND PROGRAMMATIC SUPPORT; CONTENT

Blocks, Block Editor and Xref Support	✓	✓	✓	✓
Internal Database and Custom Data; External Database Connectivity	✓	✓		
Parametric Parts Editor for 2D and 3D parts creation and management	✓			
Programmable SDK & Ruby Scripting (Compatible with SketchUp Ruby Scripts)	✓			
Symbols, Part Library	✓	✓	✓	✓
Table Styles with Property Set Definitions	✓	✓		

### INTEROPERABILITY

Adobe 3D PDF (.U3D and .PRC) Export	✓	<b>U3D only</b>		
3D Printer Support via .STL Import and Export	✓	✓	✓	
AutoCAD (DXF, DWG, and DWF) File Compatibility	✓	✓	✓	✓
Import and Open File Formats	<b>41</b>	<b>25</b>	<b>22</b>	<b>15</b>
Export of Coordinate Data	✓	✓		
Export, Save As, and Publish File Formats	<b>34</b>	<b>27</b>	<b>23</b>	<b>16</b>
Enhanced SketchUp File (SKP) Import - geometry, views, materials, components	✓	✓	✓	
File Conversion Tool with Batch File Conversion	✓			
Open and Save ASAT, SAT,IGS, STP mechanical drawings	✓			
Open and Save 3DM (Rhino), OBJ, SHX (save only) , STP files	✓	OBJ, SHX only		
TAP File Import - Import TurboApp files from mobile devices	✓	✓	✓	
Google Earth (KML and KMZ) File Support	✓	✓		
Terrain Data (XYZ) File Import and Export Support	✓	✓		
Point Cloud Support (PCD, PCG, XYZ, ASC)	✓	✓		
<b>OTHER</b>				
Point Cloud Triangulation	✓	✓		
Subset Point Cloud	✓	✓		
Network License Support	✓	✓	✓	

\*TurboCAD can read and display ADT-compliant objects embedded in DWG files