

TurboCAD®

Designer 2022

Advance 2D CAD Software



TurboCAD® Designer 2022

TurboCAD Designer is the best precision design solution on the market for new CAD users. It's easy to learn and use with quick access to hundreds of 2D drawing, modifying, and dimensioning tools that are perfect for designing floor plans, technical illustrations, flow charts and more. It includes a customizable Ribbon Interface with 4K monitor support to optimize productivity and readability on higher resolution displays.

Drawings can be published to PDF, shared in industry-standard AutoCAD® DWG and DXF file formats, or in over a dozen other, popular CAD and graphics formats.

A Complete Set of 2D Drafting and Detailing Tools

TurboCAD Designer employs a large selection of line, arc, curve, and spline tools, so that you've always got the right tool for the job. When used with TurboCAD's snaps, modification tools, and drawing aids you will be able to quickly draft and document your designs with no restrictions.

Easy to Learn & Use

Thanks to our video getting started guide, context sensitive help and flexible UI with beginner, intermediate and advanced modes.

Key Features

Flexible User Interface - Display tools with full explanations in the beginner mode. Switch to intermediate or expert mode to gain screen space as you become more familiar with TurboCAD.

Setup Wizard - Breeze through questions designed to help you define your drawing's size and orientation, units of measurement, printing scale and viewpoints.

Dimension Tools - Include Smart, Quick and Baseline which allow you to dimension automatically and more!

Pick Point & Path Hatching, Bitmap Fills, and Transparency - TurboCAD includes support of Hatch Patterns, color gradients and control of image transparency, choose from over 70 hatch patterns (including colors), unlimited bit-mapped fills and 100 levels of transparency, to better visually identify various components of your drawing.

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New Features and Enhancements!

Keyboard Report Enhancement

A few enhancements have been made to the Keyboard Report. Row highlighting on mouse hover, local menu description, and command icons for Default (dark) and Classic (light) theme have been added to the report.

Specify Object Height Base		Specify a base for the object height		0x908c
Cut Cone by plane		Cut Cone by plane parallel to the profile		0x9097
Cut Cone as lofting		Create Cut Cone defining the scale factor for the second profile		0x9098
Use Compound Profile	'Alt+Z'	Use compound profile		0x90aa
Finish Selection of Profile	'Alt+X'	Finish selection of profile		0x90ab
3D Object & Covering	'C'	Insert a 3D object by covering a circuit of edges, bounded by the circuit	Insert3DObjectCovering	0x810e
Finish	'Alt+F'	Finish the current operation		0x9089
Use Compound Profile	'Alt+Z'	Use Compound Profile		0x908a
No local menu item	'Alt+X'			0x908b
No local menu item	'Page Up'			0x9092
No local menu item	'Page Down'			0x9093
3D Object & Cylinder	'C'	Insert a cylinder by defining its center, radius and height	Insert3DObjectCylinder	0x81ad
Specify Object Height Base		Specify a base for the object height		0x909a
No local menu item	'Alt+Z'			0x90aa
No local menu item	'Alt+X'			0x90ab
3D Object & Extrude To Face	'E'	Extrude faces to another body	Insert3DObjectExtrudeToFace	0x81f8
Boolean Add		G3 Boolean operation Add		0x908a
Boolean Subtract		G3 Boolean operation Subtract		0x908b

2D/3D Selector

A new option "Keep size" has been added to the 2D and 3D Selector's Local Menu. When enabled, this option scales the distances between the selected objects, without scaling the objects themselves; that is, not changing their size.

Wall/Window/Door Tools

A new local menu option "Anchor to AEC Grid" has been added to the walls, windows, and doors. When this option is enabled, the ends of the architectural object anchor to the AEC grid. The end position of the object changes in accordance with edits made to the AEC grid.

Smart Dimension Tool (Improved)

The Smart dimensioning tool is now fully associative between Model and Paper spaces. Changes made to a Smart Dimension in Model Spaces will automatically be updated inside of any Viewport in Paper space which includes that Smart Dimension.

Handle-Based Editing - Save time and draw and edit more accurately and quickly. When selecting objects, TurboCAD draw provides handles for scaling, rotating, moving and aligning objects.

User Reviews

We have used TurboCAD for over a decade in combination with TurboCAD CAM and TurboCAD Animation Lab plug-ins, in order to make presentations of product concepts, mechanically develop prototypes and feed our CNC machines to produce prototypes. We are now certain to stay with TurboCAD for the near future, because its versatile capabilities fills our needs perfectly.

— **Ralph K.**

The program has become an extension of my creative mind. As a long time engineer, used to using 2D and "projections", this has become my standard. Once one gets past the learning curve and the quirks of this software, (all software has issues) this program has everything I need and more than I need.

— **James A.**

System Requirements

64-bit: Desktop or laptop PC; Microsoft Windows 11, 10, 8, or 7 (64-bit), 8 GB RAM; 1 GHZ 64-bit (x64) CPU processor

32-bit: Desktop or laptop PC; Microsoft Windows 11, 10, 8, or 7; 4GB RAM; 1 GHZ 32-bit (x86) CPU processor

Recommended: 16 GB RAM or higher; faster CPU; For users purchasing the optional RedSDK rendering plug-in, a supported graphic processing unit (GPU).

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