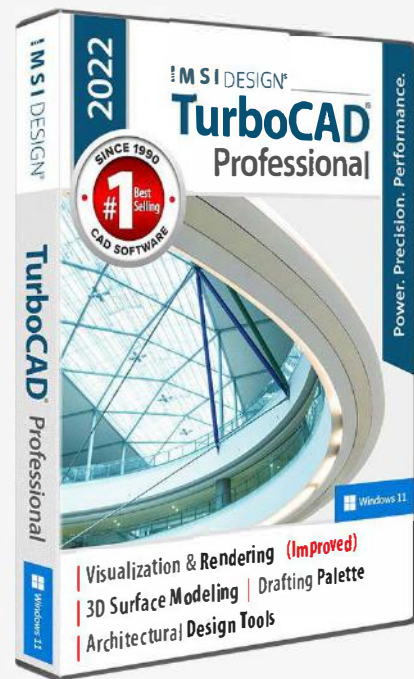


TurboCAD®

Professional 2022

Advanced 2D/3D CAD Software



TurboCAD® Professional 2022

A feature-rich, professional 2D/3D CAD application that, includes a powerful drafting palette, premium photorealistic rendering, advanced architectural and mechanical toolsets, a complete set of 2D and 3D modification features, and extensive file support.

Professional 2D/3D CAD Software

TurboCAD 2022 Professional is a comprehensive collection of 2D/3D CAD tools to design, modify, present, and document for CAD designs in an integrated fashion. It includes advanced mechanical design and modification tools, a powerful drafting palette, and advanced Architectural and Mechanical design tools, add even greater flexibility and control, while a new, superior Physical Based Rendering produces stunning, photorealistic designs.

If you are familiar with AutoCAD®, you already know a lot about using TurboCAD®!

In addition to up-to-date DWG and DXF file support, TurboCAD Platinum includes an optional AutoCAD-like, 2D drafting interface, with command line, keyboard shortcuts, and dynamic input cursor, which helps users already familiar with AutoCAD, easily get up-to-speed.

Dozens of Productivity Tools

PDF Underlay, ePack, Intelligent File Send, Full xRef and Block Support, Editing, and much more!

Key Features

Powerful UI & Performance - If you are new to TurboCAD, features like a fully customizable, ribbon interface, 4K monitor support, online & offline Help, & new feature tutorials, will get you designing right away. Save more time with handle-based editing & with multi-CPU, multi-threaded processing, as well as GPU support for rendering.

3D Surface and Solid Modeling- A complete set of 3D Surface, Source Mesh (SMESH) & Solid modeling and editing tools, making it ideal for both single part and small assembly mechanical designs. Additional tools include 3D Booleans, Sweeps, Extrudes, 3D Print Repair.

Interoperability - With support of over two dozen CAD & Graphics file formats, TurboCAD makes it easy to maintain your intellectual property investment & share your work with colleagues. TurboCAD includes support for the latest AutoCAD® DXG and DXF file formats.

TurboCAD
AFRICA

www.turbocad.co.za
086 100 1277

New Features and Enhancements!

TurboLux™

TurboLux is a state-of-the-art rendering technology which exploits Physically Based Rendering (PBR) techniques. PBR models light and materials based on the laws of physics, accurately simulating the flow of light, resulting in eye-popping images of photographic quality. Support for PBR-compatible Materials for TurboCAD is included in the 2022 release, with over 800, fully-editable TurboLux materials in TurboCAD Materials Palette.



AEC Radial Grid

A new AEC Grid "Radial Grid" has been added to the Architecture menu. This Radial grid is a new tool that makes it easy to align other radial architectural objects in the drawing, such as curved walls and columns.

Visualize (New & Improved)

A new, Dynamic Cut Plane has been implemented for Visualize Render in the Draft render mode. Three pre-defined cut planes (XY, YZ, XZ) have been added to the Drawing Setup and Dynamic Cut Plane options. Ability to hatch section contours has also been added to the Dynamic Cut Plane Drawing Setup options. Additionally, a new set of extended parameters have been added to Draft Rendering page of Camera Properties. These parameters are available for 3 visual style modes i.e., X-Ray, Conceptual, Shades of Gray.

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

GPU Support: The TurboLux™ Rendering engine now supplied with TurboCAD 2022, supports NVIDIA GPUs only. NVIDIA GPU must be running a CUDA v10 or later driver. If you are using an NVIDIA GPU, please make sure to check and update if necessary, the CUDA driver. Note: TurboLux does not support either Intel or AMD GPUs.

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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