

NOKIA

Canon

PHILIPS



OSRAM

Lenovo



OLYMPUS



SIEMENS

CORNING



HONDA

GstarCAD 2027

Faster by Core, Smarter by AI, Powered by Innovation

What is GstarCAD

GstarCAD is a well-known alternative CAD software of high compatibility with AutoCAD. With over 20 years of continuous improvement and lean innovation, today GstarCAD is far ahead in performance, stability and other key indicators and becomes leading CAD software in the world.

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Flexible Cloud Collaboration

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Profile

GstarCAD 2027

Faster by Core, Smarter by AI, Powered by Innovation

GstarCAD is a world-leading 2D CAD platform with independent core technology. After nearly 30 years of R&D, its performance in speed and stability has reached **industry-leading benchmarks**.

GstarCAD 2027 focuses on user experience, significantly optimizing performance for routine operations like "Move, Mirror, Rotate, and Copy" in complex 3D drawings. New features include parametric constraints for dynamic blocks and automatic input method switching to reduce repetitive tasks. Enhanced command-line tools, batch plotting, and hatching are tailored to business scenarios, empowering designers to focus on creativity and engineering expression.

Advantages

Seamless Compatibility: "Zero-Cost" Smooth Migration

We offer full compatibility with mainstream CAD file formats and user habits. Users can switch platforms with zero learning curve, ensuring seamless migration and reuse of drawing data to help enterprises reduce costs and increase efficiency.



Flexible Cloud Collaboration

To support customers with collaboration needs, we provide flexible cloud-based collaboration features as an optional extension to the traditional CAD workflow. These capabilities are designed to improve team efficiency, information sharing, and project coordination, while allowing customers to choose the collaboration model that best fits their requirements. The suite includes Cloud Documents, Cloud References, Cloud Annotations, Locked Editing, and Asynchronous Submission, and can be combined with enterprise management tools and cloud-enabled CAD to support more efficient project communication and collaboration across teams, devices, and locations.



Comprehensive & Efficient Design: Empowering Through Innovation

Our software covers full parity with mainstream CAD functions and features over 100 unique innovations based on user needs, including:

- Batch Plotting
- Drawing & Graphic Comparison
- External Reference Comparison
- Automatic Sheet Merging
- Drawing Revision Protection
- CAD-to-Excel Conversion

By leveraging multi-core parallel computing and GPU hardware acceleration, our software ensures stable operation and smooth handling of ultra-large, complex drawings at industry-leading speeds.



Boundless Experience: Full-Scenario Coverage

We are the first in the industry to achieve full-platform adaptation across Windows, macOS, Linux, HarmonyOS, iOS, and Android.



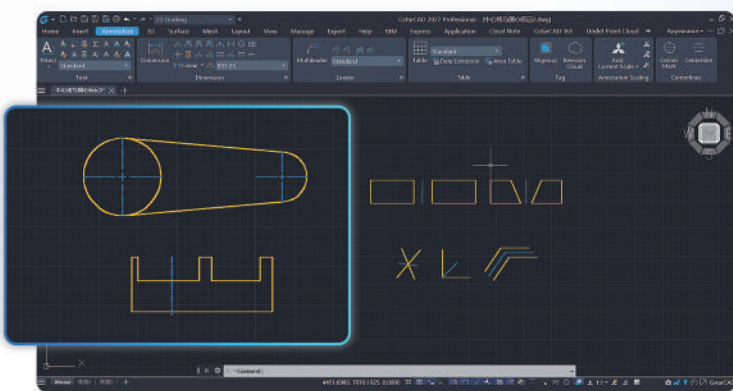
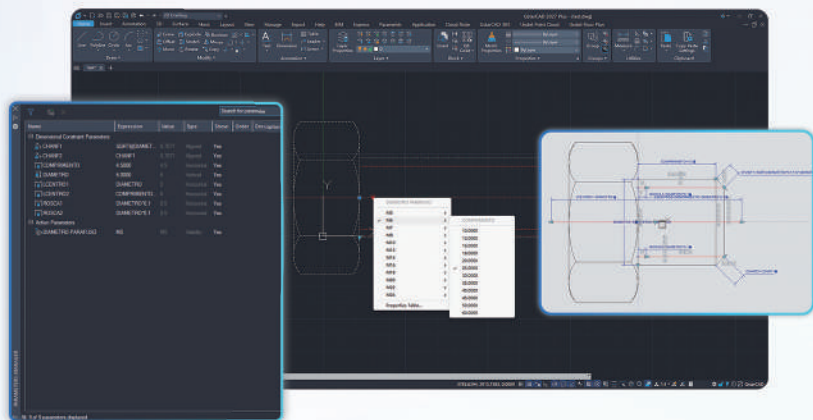
What's New in GstarCAD 2027

GstarCAD 2027 delivers faster 3D performance and smart automation to cut out repetitive tasks. Featuring a revamped command line and superior batch printing, it's a productivity powerhouse built for professional efficiency.

New Features

Parametric Constraints for Dynamic Blocks

GstarCAD 2027 continues to make breakthroughs in parameterization and dimension-driven technologies. The new parametric constraint feature for dynamic blocks enables precise linkage between graphic dimensions and positions. This significantly enhances design efficiency and accuracy, supporting enterprises in standardized drafting and rapid design iterations.



Centerlines and Center Marks

GstarCAD 2027 adds Centerline and Center Mark functions. Automatically generate centerlines by selecting two segments, or place center marks at the center of circles and arcs. These tools precisely define geometric characteristics—a vital element of professional engineering language.

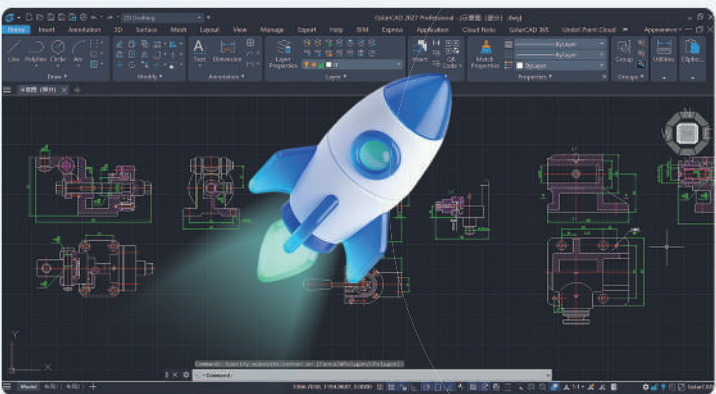
Gstar AI Assistant (Coming soon)

Capable of both precisely recognizing drawings and executing drafting tasks through natural language interaction, GstarAI Assistant empowers the design process, allowing designers to return to focus.

Improvements

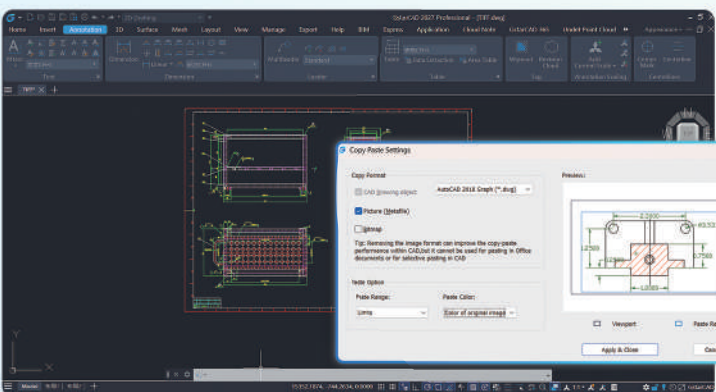
Performance Boost

GstarCAD 2027 adopts a brand-new memory pool, optimizing memory management and allocation mechanisms. Overall software performance has reached a new level; routine operations on complex drawings—such as Regen, Zoom/Pan, Select, Move, Mirror, Rotate, Copy, Undo, Redo, Explode, and Delete—have seen performance gains of over 10%. Notably, the speed for closing drawings has improved by more than 8 times, ensuring high-efficiency operations.



Batch Plotting

The Batch Plotting feature has been updated in GstarCAD 2027. When plotting multiple documents, users can now set the plotting order and choose between "Plot by Page" or "Plot by Set," making batch tasks more hassle-free.

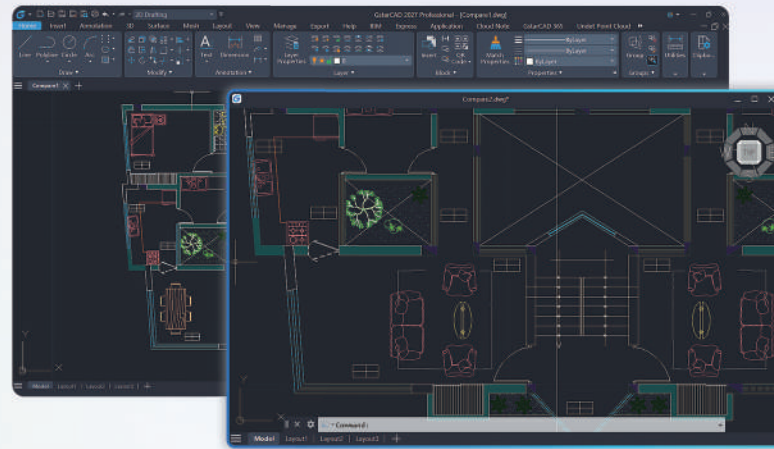


DWG Copy & Paste

GstarCAD 2027 upgrades the cross-application copy-and-paste functionality. Customize the object format, paste range, and colors of the copied content, meeting diverse drafting requirements and improving design quality.

Support for Multi-Top-Level Windows

Optimizing the interaction experience, GstarCAD 2027 now supports multi-top-level windows. Users can drag a drawing tab out of the main application window to create a floating window. This allows multiple drawing files to be displayed simultaneously without switching tabs, facilitating easy comparison or copy-pasting between drawings to boost efficiency.



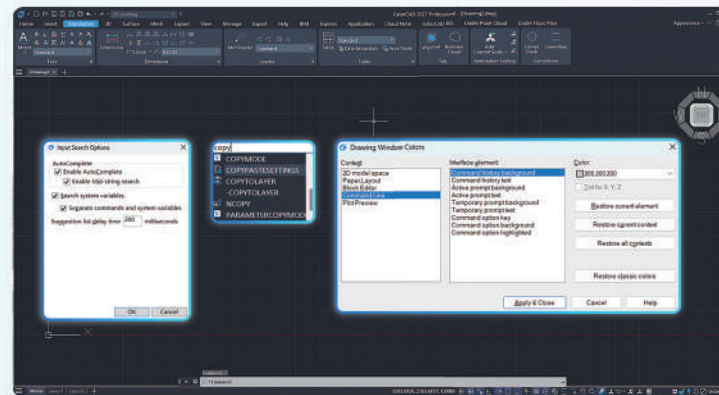
Full-Screen Exit Prompt

GstarCAD 2027 adds a prompt for exiting full-screen mode. In actual work scenarios where users might enter full-screen mode accidentally via hotkeys or boundary operations, a prompt now appears at the top of the interface. This prevents workflow interruptions caused by users not knowing how to exit the mode.



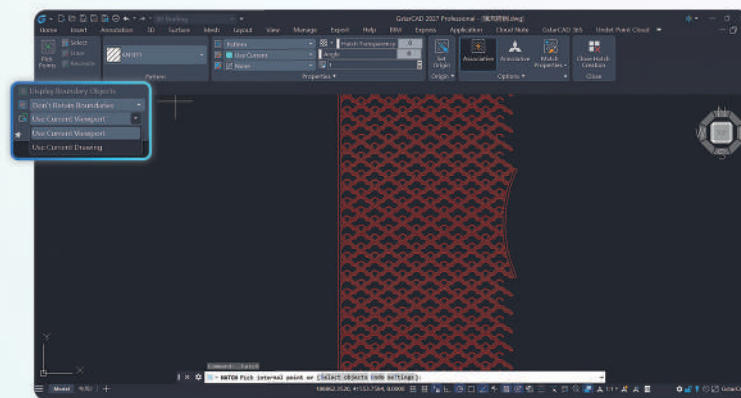
Command Line Refactoring

The command line in GstarCAD 2027 has been completely revamped. Users can freely drag the edges of the command line window to adjust its width and height. It now supports selecting command options via mouse clicks or hotkeys. Additionally, temporary prompts for individual commands are displayed above the command line, making input interaction more intuitive and efficient.



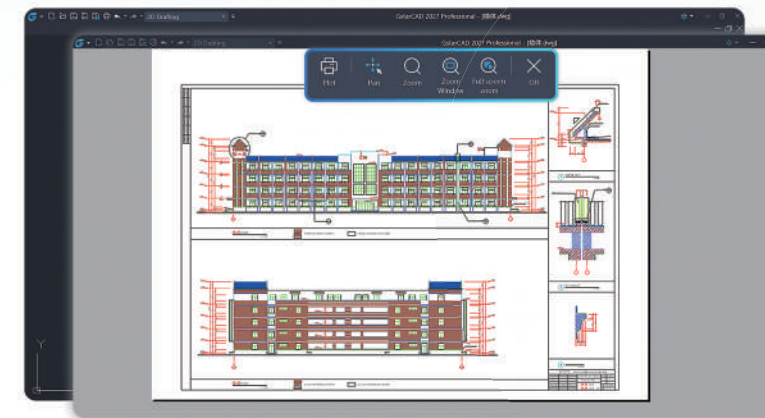
Hatch Optimization: "Use Current Drawing" for Boundary Sets

The Hatch function has been optimized with the addition of the "Use Current Drawing" option. This extends the boundary search beyond the current viewport to use the entire drawing as the hatch boundary, effectively handling hatch operations for non-enclosed geometric boundaries.



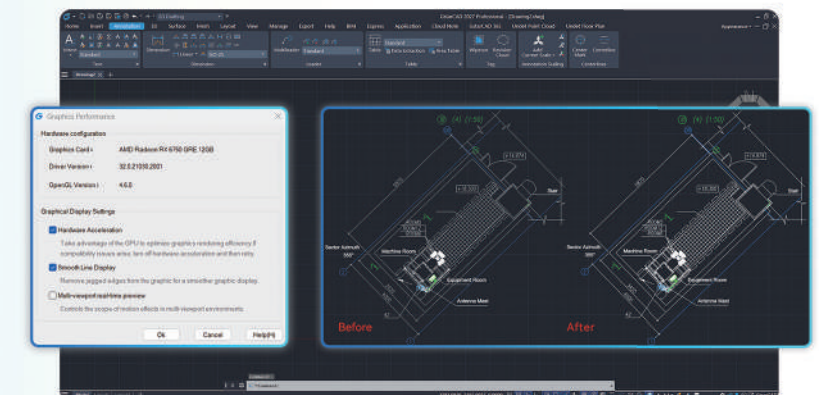
Plot Preview Enhancements

The Plot Preview module has undergone architectural-level optimization. The original toolbar has been upgraded to a modular integrated functional panel that can be freely dragged, docked, or floated, aligning with the platform's interaction standards. This significantly shortens operation paths and reduces error rates in plotting scenarios.



Display Optimization

The new version enhances comprehensive GPU utilization and optimizes the interactive experience when Hardware Acceleration is enabled. Improvements cover core scenarios such as Opening/Saving, Graphic Display, Editing and Transformation (Move, Scale), Layer Operations, and Block Operations. Average performance has increased by 30%-80%, with speed gains exceeding 90% for certain complex drawing operations. The rendering of smooth lines is now more refined, delivering a more fluid and high-performance drafting experience.



More Features in GstarCAD

Design Anywhere, Collaborate Everywhere

GstarCAD 365: App, Web, Cloud

GstarCAD 365 is a powerful multi-platform tool designed to enhance team efficiency in viewing drawings, managing projects, communicating, and collaborative design. Businesses can choose between Public Cloud or Private Cloud deployment based on specific needs.



Compatibility

- Full compatibility with DWG/DXF
- DGN Support
- IFC Import/Export and Edit
- RVT Import and Edit
- DWG Convert
- Import WMF, SAT, 3DS, DWF, DWFX, DGN, PDF, SVG
- Export to DWG, DWF, DWFX, WMF, EMF, SAT, STL, EPS, DXX, BMP, SVG
- DWF/PDF Underlay
- Digital Signature
- STEP/IGES Files
- Raster Image Support (Clipping, Transparency, ...)
- Image Files (bmp\jpg\png\tga\tif\gif\pcx\ecw...)
-

Interface

- Classic and Ribbon Interfaces
- 3D Modeling Workspace
- Customize User Interface (CUI)
- CUI Import & Export
- Light/Dark Theme
- Dynamic Input
- Properties Palettes
- Design Center/Tool Palettes
- Xref Palette
- Clean Screen
-

3D

- Solid Editing
- 3D Face and Mesh Modeling
- Visual Styles Manager
- 3D Orbit options
- 2D Profiles and Sections
- Render
- ACIS Modeling & Editing
-

Programming

- Load Python
- LISP Debugger
- LISP Support/Encryption
- Visual Basic for Applications (VBA)
- .Net Framework
- DCL/DCL engine/COM API
- MNU and MNS File Support
- GRX (GstarCAD Runtime eXtension)
- Diesel Expressions
- Solutions Development System (SDS/ADS)
-

Others

- Select Similar
- Block Create and Insert
- Block Attribute Definition
- Parametric Constraints
- System Variable Monitor
- Region
- Magnifier
- Attribute Increment
- AutoXLSTable
- Pline Boolean
- Synchronize Attributes
- Areasum
- Multilines and Multiline Styles
- Outline Objects
- Hyperlink
- Pline Boolean
-

Annotation

- Text/Mtext
- Text Align/Text Match
- Qleader/Multileaders
- Dynamic Dimensions
- Associative Dimension
- In-place Text Editor
- Field
- Revcloud
- Statistics Summation
- Voice Annotation
- Hatch/Gradient Hatch
- Superhatch
-

Layer

- Auto Layer
- Layer Properties Manager
- Layer States Manager
- Layer Walk
- Layer Merge
- Layer Match
-

Output

- CTB & STB Plot Style Files
- Plot Styles Table Editor
- Built-in Print Driver
- Import & Editing of Page Setups
- Publish
- AUTOPUBLISH
- Hide and Shade Plot
- Batch Print
- Arrange frame
- Data Extraction
-

Express Tools

- DWG Units
- Lockup (with password)
- Layout Merge
- Symmetric Draw
- Area Table
- Break Object
- Block Break
- Graphic Compare
- Batch Purge
- Barcode & QR Code
- Line To Polyline
- Layout by Path
- Make Shape
-

More Products



GstarCAD Mechanical

Covering all fields of mechanical design, GstarCAD Mechanical is a professional designing and drawing software specially built for manufacturing.

- Compatible with ACM
- Reasonable Price
- Intelligent Design Tools
- Extensive Library



GstarBIM

GstarBIM is an innovative 3D BIM software suitable for architectural and interior design projects, as well as for creating complete technical documentation. The work is made complete by photo-realistic visual designs, supplemented by animations if required.

- Comprehensive BIM Data Formats
- Automated BIM Modeling
- Special tool for interior design projects
- Detailed technical documentation
- Powerful Rendering Engine
- Live Animation



GstarCAD Architecture

GstarCAD Architecture uses associative and parametric building components to create construction plan drawings based on custom object technologies. 2D drawings and 3D models are generated synchronously to satisfy not only the demand of construction drawings, but also the 3D visualization of buildings.

- Innovative Function
- Intelligent Operation
- My Cloud
- Architecture Objects
- 3D Model
- Dimension & Symbol



Houseplan 2.0

Houseplan is a powerful, easy-to-learn, lightweight and compatible 3D modeling and real-time rendering software that can create 3D models quickly and demonstrate your scheme independently.

- Quick Modeling
- Advanced Modeling
- Real time Rendering
- Format Compatibility
- Material Painting
- Entities and Animation
- Flexible Output
-



GstarCAD Point Cloud 2027 Plugin

Integrated with Undet Point Cloud plugin, this powerful solution offers a full suite of tools that allow users to seamlessly import and manage point cloud data directly in GstarCAD.

- Point Cloud & Floor Plan workspaces
- Interactive editing and visualization
- Supported formats: *.E57, *.FLS, *.RCP/RCS, *.PTX, *.ZFS, *.LAS, *.LAZ, *.PTS, *.PLY, *.DP, *.FPR, *.LSPROJ, *.FWS, *.CL3, *.CLR, *.RSP, ASCII / NEZ (X,Y,Z/i/RGB) and custom ASCII / TXT file format



GstarCAD x GstarBIM Plugin

Integrated with GstarBIM, this plugin enables efficient, two-way conversion between 2D drawings and 3D models, aiming to provide an effortless CAD to BIM solution.

- Direct DWG & IFC File Transfer
- Smooth CAD to BIM Transition
- Enhancing Collaboration & Modeling Accuracy

Your Own CAD Solution

Multiple Platforms, Multiple Versions.

Standard

- ✓ 100% native DWG/DXF support from R12 to 2018
- ✓ Alternative to AutoCAD LT
- ✓ Familiar user interface and commands

Professional

- ✓ Powerful, time-saving practical tools
- ✓ Alternative to AutoCAD full version
- ✓ Advanced Block editor

Premium (Formerly Plus)

- ✓ Support Parametric Constraints in addition to all Professional version features
- ✓ Dozens of commands and thousands of constraint-driven design scenarios
- ✓ Efficient and accurate design

For Mac & Linux

- ✓ Available for Apple M-series (ARM64 architecture)
- ✓ Compatible with Ubuntu, Debian, Astra Linux systems, supports AMD 64 CPUs
- ✓ Familiar interface, commands and workflows

No matter which version you choose, we offer flexible licensing models to help you reduce costs.

Perpetual

Yearly Subscription

Upgrade

- ✗ Perpetual: Perpetual right to use license
- ✗ Yearly Subscription: One year right to use license
- ✗ Upgrade: Upgrade previous GstarCAD Perpetual license to the latest version