What’s new in GstarCAD 2026 — GstarCAD 2027

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What's new in GstarCAD 2026

GstarCAD 2027 · Whats New

GstarCAD 2026 has deeply optimized the common operations in terms of performance enhancement, and significantly improved the performance indexes of core operations, including multi-reference drawing opening, extending/trimming,
clipping block and external reference operations.

At the same time, a number of new functions have been added, such as parametric constraints (dimensional constraints), interface reconstruction,
drawing merge, coordinate point optimization, batch print optimization, batch
purge optimization, DWG comparison, view display effect switching and PDF import function optimization.

Performance improvement

GstarCAD 2026 has deeply optimized the performance of common operations, and the performance indexes of core operations have been greatly improved, specifically including: multi-reference drawing opening, extending/trimming,
clipping blocks and external references, block editing and previewing, mirroring, and creating blocks, and other operations.

New Functions

1?Parametric (dimensional constraints)

Parametric (Dimensional Constraints) is a powerful tool for controlling the size and position relationships of graphics objects, ensuring that the size and shape of graphics remain consistent during editing.

Including: 1) 7 kinds of dimensional constraints, respectively: linear, horizontal, vertical, aligned, angular, radius, diameter; 2) 2 clock auxiliary functions: form, convert.

2?Interface reconstruction

Based on the WPF technology framework and a number of self-developed technology integration, technology and design dimensions as the entry point to the underlying architecture "completely rewrite" after the formation of a new visual interface.

At the same time, the secondary development data interface has been supplemented to eliminate data transmission bottlenecks. In addition, the interface interface is also compatible with AutoCAD interface library, which can realize
"zero" cost transplantation of industry software developed based on .NET.

3?AUTOMERGE

Supports merging multiple drawings into a single drawing. You can split and arrange multiple drawings according to their frames.

4?Coordinate Point optimization (DIMCORD)

The coordinate point function (DIMCORD) has been improved based on user suggestions, including support for scale and text height adjustment, the addition of Group and Auto Switch options, and the adjustment of loose lines to LEADER.

5?Batch Plot Optimization (BP)

Adds sequential preview feature.

6?Batch Purge Optimization (BATPURGE)

Batch Purge tool supports cleanup of Regapps, Zero geometry, Empty text objects and orphaned data.

7?DWG Compare (COMPARE)

Supports comparing a specified drawing file with the current drawing file.

In the process of comparison will use the revision clouds to indicate the difference between the current drawing and the comparison drawing; you can use the "DWG Compare" toolbar to set up the relevant characteristics of the comparison; support for the input of the difference object to the current drawing, but also can be exported to the difference as a snapshot of the graphic for subsequent viewing.

8?Support for view display effect switching

Controls the effect of view display.

9?PDF import function optimization (PDFIMPORT)

Replaced the underlying library and the corresponding import interface, optimized the import efficiency and solved the legacy PDF import problems.

10?PLOT: Add support for TIFF Version 6 (CCITT G4 2D compression) driver in the plotter

Add support for a new custom print driver "TIFF Version 6 (CCITT G4 2D compression)", this driver only supports black and white backgrounds and can significantly reduce the file size of drawings while ensuring the accuracy of output elements such as lines, text, and annotations.

11?Data Extraction Improvements (DATAEXTRACTION)?

Support saving data extraction settings in a data extraction (.gxe) file. The .gxe file can be used as a template to perform the same type of extraction in different drawings.

Additionally, the .gxe file can be edited to add or remove drawings, add or remove objects, or select different properties from which to extract data. Tables referencing the same .gxe file will reflect the changes when these tables are updated.

12?Tool Palettes: Support importing XTP files

Add an "XtpImport" option to the custom palette right-click menu. When clicked, a file selection dialog will appear, allowing users to choose the XTP file to import. The feature correctly supports importing text, separators, and block references.

13?BARCODE: Add support for CODE 39 barcode

Code 39 barcode is characterized by low cost, strong industry compatibility, and support for alphanumeric characters, making it particularly suitable for traditional industrial environments.

14?Add a new 3D Modeling interface

The "3D Modeling" workspace includes only toolbars, menus, and palettes relevant to 3D design. Interface elements unnecessary for 3D modeling are hidden, maximizing the user's screen workspace.