



GstarCAD 2026 vs BricsCAD 2025

GstarCAD 2026



GstarCAD

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GstarCAD 2026 VS BricsCAD 2025

GstarCAD 2026 introduces a completely reconstructed interface, offering a sleek, modern look that enhances the user experience. Performance improvements boost efficiency across various tasks. Exciting new features include **Dimensional Constraints**, **Parameters Manager**, **DWG Compare** and more, unlocking powerful design capabilities. Innovative feature like **Drawing Merge** streamlines workflows, and **Engineering Projection** delivers precise bottom-view accuracy. Additionally, updates to **DIMCORD**, **Batch Plot**, **Batch Purge**, **PDF Import** and **Data Extraction** further enhance usability.

1. Comprehensive Evaluation

As leading CAD platforms, GstarCAD 2026 and BricsCAD 2025 exhibit distinct competitive positioning through differentiated strengths. GstarCAD 2026 dominates general design scenarios with optimized performance, deep technical refinement, and superior efficiency—particularly in 2D drafting. Its cross-platform "Cloud + Desktop" ecosystem seamlessly adapts to diverse workflows. BricsCAD 2025 excels in AI-driven automation and global ecosystem integration (leveraging Hexagon's industrial metrology resources), making it ideal for advanced 3D modeling. However, its non-standard workflows incur steeper learning curves, and AutoCAD file compatibility remains weaker. What's more, BricsCAD offers innovative, AI-augmented tools that redefine traditional CAD interactions. GstarCAD prioritizes precision and speed, especially for routine operations. In terms of Collaboration, Bricsys 24/7 enhances enterprise project management and multi-user coordination. GstarCAD 365 provides a unified cross-platform cloud solution tailored for corporate environments. For the compatibility, GstarCAD is high compatible with AutoCAD file formats, while BricsCAD occasionally struggles with attribute retention in complex files.

2. GstarCAD Advantages:

- **Excellent Performance**

In 12 key operational benchmarks, GstarCAD demonstrates 50%+ higher efficiency than BricsCAD on average:

It takes only 1/3 the time in file saving compared with BricsCAD (0.89s vs 2.83s).

Delete operations are nearly 10x faster (1.63s vs 16.21s).

The optimized graphics engine also performs excellent in complex drawing: Full drawing zoom is 89% faster and Mirror operations require 70% less time.

- **Cross-Platform Cloud Collaboration**

A unified "PC + Web + Mobile" workflow supporting:

Seamless multi-OS synchronization (Windows/Linux/macOS)

Supports private cloud deployment options

Granular permission controls and activity auditing

Offer superior data security compared to Bricsys 24/7.

- **Cost effective & Extendable Advantages**

Licensing: Primarily perpetual licenses reducing long-term TCO

Development: Supports LISP/.NET/Python APIs for full mechanical/architectural tool chains

Formats: 15+ additional industrial formats (STEP/IGES/3DS) for cross-domain collaboration

- **Seamless Migration**

Near-perfect AutoCAD command/UI parity for almost zero migration cost

Dynamic input prompts and tri-mode interface switching easily.

Contrasts with BricsCAD's non-standard command structure that increases learning curves

- **Functionalities**

According to the comparison of 54key function list items on the GstarCAD official website, BricsCAD 2025 supports less basic functions than GstarCAD 2026. However, BricsCAD 2025 has broken away from the constraints of traditional CAD software functions and proposed many innovative interactive operations. It changes from looking for functions and then using functions in CAD software to CAD software intelligently analyzing user's operations and actively providing users with proper functions.

3. Competitor Products

- **Competitor Product Information**

BricsCAD is a 2D and 3D design product from Bricsys.

Products	BricsCAD Lite : includes almost all CAD functions (2D drafting)
	BricsCAD Pro: Based on the Lite version, add solid/surface/parametric functions (2D+3D drafting)
	BricsCAD BIM: Based on the Pro version , built-in BIM and other functions
	BricsCAD Mechanical : Modeling for mechanical/parts assembly and sheet metal design
	BricsCAD Ultimate: A collection of the above four versions and features

4. Functional Comparison

4.1. New Features Comparison

GstarCAD 2026 New	BricsCAD 2025	GstarCAD 2026	Comparison
Parametric constraints (dimensional constraints)	√	√	BricsCAD already has this function
Interface Reconstruction	√	√	See below for comparison
Drawing Merge (AUTOMERGE)	X	√	BricsCAD does not support this function.
DIMCORD	X	√	BricsCAD does not support dimensioning the coordinate point.
Batch Plot Optimization (BP)	X	√	Added sequential preview. BricsCAD does not support this function.
Batch Purge Optimization (BATPURGE)	√	√	Added support for cleaning up data such as registered applications, zero-length geometries, etc. The two softwares are basically the same.
DWG Compare (COMPARE)	√	√	The functions are basically same.
Engineering Projection (ENGINEERINGVIEWMODE)	X	√	BricsCAD does not support this function.
PDF import (PDFIMPORT)	√	√	The underlying library is replaced to optimize the import efficiency. The two softwares performed similarly.
BricsCAD 2025 NEW	BricsCAD 2025	GstarCAD 2026	Comparison
Built-in parametric, 2D, and 3D Blocks Library	√	√	Similar to ADCENTER and tool palette in GstarCAD

POINTCLOUDCOLORMAP	√	X	New X- Ray color map provides clearer display of point cloud data. * GstarCAD has basic point cloud coloring capabilities, but there is still gap between BricsCAD in some aspects such as multi-attribute dynamic coloring, specialized color library and intelligent range optimization.
ETRANSMIT	√	√	The ETRANSMIT in GstarCAD is highly similar to that of BricsCAD and can meet the needs of drawing packaging.
Input History	√	√	Input history can be accessed and reused from the command line and command context menu
Selection Cycling	√	√	Selects overlapping entities made easy
TRIM	√	√	Better performance in GstarCAD
2D Reference Parameters	√	X	BricsCAD now supports AutoCAD® style 2D reference parameters
ATTACHMENTS	√	X	Improved search for missing attachments and better updates to panel status.
COLORBOOKS	√	√	GstarCAD supports COLORBOOKS.
CURSORMODE	√	√	Switches the cursor to a solid color mode for better legibility hovering over raster imagery.
DIMJOGGED / DIMJOGLINE	√	√	BricsCAD offers new DIMJOGGED and DIMJOGLINE Command
EXPORTTOAUTOCAD	√	X	Creates a new version of a drawing file with AEC entities converted into BLOCKs. * GstarCAD has no native command solution,

			which requires scripts or plug-ins to implement
MIRROR	√	√	The image is more visual, and there is no difference between the two software
PEDITTEXT	√	X	A modification Simplified method of PLINE. GstarCAD does not support this function.
PEDITTEXT	√	X	Use the Ctrl key to select the middle grip of the polyline for editing GstarCAD does not support this function.
QUICKCALC	√	√	GstarCAD already has this function
SCALE	√	√	Provides a dynamic preview as you drag the cursor to set the scale factor of an entity. GstarCAD already has this function
TABLE – Autofill	√	X	Click and drag to autofill TABLE cells. GstarCAD does not have this function.
TABLE – Row and Column Selection	√	√	Select rows and columns by selecting the column heading or the row number. GstarCAD already has this function
VPSCALE	√	√	Controls added to the Status Bar for setting the layout scale simply. GstarCAD already has this function
Drawing Margins (PRINT)	√	X	More custom details than GstarCAD
Geo-referenced point cloud	√	X	GstarCAD does not support this function
DYNAMIC BLOCK	√	√	GstarCAD already has this function, Functionality same.
MTEXT (subscript and superscript)	√	√	Allows text to be set as subscript or superscript by simply clicking a button. GstarCAD already has this function. GstarCAD supports text

			panel which is more intuitive, but BricsCAD only supports pops up windows for editing text.
Automatic PDF Viewing (PRINT)	√	X	PDF after printing, GstarCAD needs to open PDF manually, but it can be done indirectly through scripts or plug-ins. Now Automation
PUBLISH	√	√	GstarCAD already has this function
SELECTION CYCLING	√	√	Supports multiple selections using the Shift and Ctrl keys for enhanced usability. GstarCAD already supported selectioncycling
QSELECT	√	√	Display the selected entity in the combo box GstarCAD already supports QSELECT.
Preview block (INSERT)	√	√	The insert dialog now shows a preview of the block to be inserted
MATCHPROP	√	√	GstarCAD already has this function, no difference
Annotative scales	√	√	GstarCAD already has this function, no difference
Block Scaling (INSERT)	√	√	GstarCAD already has this function * BCAD crashes when using this function
VIEWPLOTDETAILS	√	√	GstarCAD partially supports this function; there is no independent task details dialog box. There are few statistical indicators that are not visual enough, and there is no task cancel button.
Sheet Set Manager	√	√	GstarCAD already has this function, and the style is the same
File Open Dialog Box	√	X	GstarCAD already has this function.

Rollover Tips parameters	√	X	Rollover Tips allows users to view and change parameters when hovering over a block.
Manual point cloud classification	√	X	Automatic point-cloud classifier augmented with a manual override to supplement or replace classified objects in point clouds.
BricsCAD Status Bar	√	√	GstarCAD already has this function, and the style is the same
Sketch-based modeling features - Fillets and chamfers	√	X	Added support for fillets and chamfers in Sketch Based Modeling features.
Sketch-based modeling Features - Work plane	√	X	Experimental feature to link sketches to a workplane during Direct or Sketch Based Feature modeling.
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Point cloud formats	√	X	Support import Riegl , Z+F and LGSX format
POINTCLOUDCLASSIFY	√	X	Two new Point Cloud Classifier models are supported: for road-like scans (mobile mapping) and for outdoor point clouds/aerial scans.
Experimental Features mode	√	X	Experimental Mode is a sandbox for users to explore and test innovative features under development. The features are not ready for full release but offer a preview of future enhancements.
BLOCKIFY	√	X	Updated to include support for the Parametric Block features.
DWGHEALTH	√	X	Descriptions of routines can now be viewed directly in the DWGHEALTH panel, without entering edit mode.
Specify a base point (COPYGUIDED)	√	X	Pick a base point when the copied detail has at least one degree of freedom.
Flip Entities (COPYGUIDED)	√	X	Flip entities along the same axis by pressing the Shift key or clicking the icon in model space.

VIEWBASE Drawing View	√	X	Enabled background generation of drawing views for interaction as views are generated.
FLATSHOT	√	√	BricsCAD claims that the overall performance of FLATSHOT has been improved 16-18 times
Point Cloud Rendering Mode	√	X	Supports doll house rendering, eye dome lighting, and gap filling, with new panel controls.
RTISOLATIONSELECTION	√	X	Isolate selected entities, 2D or 3D, during a 3DORBIT. The hidden entities are displayed when exiting the orbit command.

4.2. Basic Function Comparison

	BricsCAD 2025	GstarCAD 2026
Draw		
Supports DWG formats from R14 to 2018	√	√
Hatch, Font, Line Type And Other File Support	√	√
Password Protection	√	√
File Recover and Audit	√	√
Batch Purge	√	√
Etransmit	√	√
Sheet Set	√	√
DWG Reference	√	√
Point Cloud Reference	√	√
Digital Signature	√	√
Cad Table to Excel	×	√
Drawing Compare	√	√

Drawing Lock	✓	✓
Cloud Storage	✓	✓
General Features		
Draw	✓	✓
Modify	✓	✓
Dimension	✓	✓
Layer	✓	✓
Block	✓	✓
Linear Properties	✓	✓
Utilities	✓	✓
Select, Snap And Track		
Selection Preview	✓	✓
Quick Select	✓	✓
Grip Editing	✓	✓
Object Snap	✓	✓
Divide Segments	×	✓
Distance from Endpoint	×	✓
Grid and Snap	✓	✓
Polar Tracking	✓	✓
Object Snap Tracking	✓	✓

Group	✓	✓
Dynamic Input	✓	✓
Frame Selection	✓	✓
Dimension		
Regular Dimensions	✓	✓
Dimension Style	✓	✓
Dimension association	✓	✓
Quick Leader	✓	✓
Dimension Break	✓	✓
Multileader	✓	✓
Area Table	×	✓
Revision Cloud	✓	✓
Dimension Scale	✓	✓
Stretch Dimension	✓	✓
Reassociate Dimension	✓	✓
Dynamic Dimension	✓	✓
Wipeout	✓	✓
Properties/properties editing	✓	✓
Data Extraction	✓	✓
Data Link	✓	✓

Text		
Text Style	√	√
Multiline Text	√	√
Single Line Text	√	√
Multi-language Character Set	×	√
In-place Text Editor	√	√
Mtext Editor	√	√
Supports .shx and .ttf fonts	√	√
Spell Check	√	√
Field	√	√
Annotation Text	√	√
Remote Text	√	√
Arc Text	√	√
Text Online	×	√
Statistics Summation	×	√
Text Align	√	√
Text Match	×	√
Text Fit	√	√
Hatch		
Pattern Hatch	√	√
Gradient Hatch	√	√

Customization Hatch	√	√
Trim /Extend of to Hatch	√	√
Superhatch	√	√
Raster image		
Raster image support (clipping, transparency, etc.)	√	√
Supports various of raster image formats	√	√
Other		
Auto Layer	×	√
Profile	×	√
Symmetric Draw	×	√
Free Scale	×	√
Align Tool	×	√
Arrange Tool	√	√
Break Object	×	√
Pline Boolean	√	√
Real-time zoom and pan	√	√
Navigation Tool	√	√
Magnifier	×	√
Redraw and Regenerate	√	√
Layout and Paper Space	√	√

Non-rectangular Viewports	√	√
Layer Manager	√	√
Multilines and Multiline Styles	√	√
Block definition and insertion	√	√
Block Attribute Definition	√	√
Xref edit	√	√
Dynamic Blocks (Block Editing)	Convert to Parametric Blocks	√
Break Block	×	√
Barcode and QR code	×	√
Text Search	√	√
Table object and Table Styles	√	√
Table	√	√
AutoXLSTable	×	√
Automatic Regeneration	√	√
Unlock All Layers	√	√
Layer Draw Order	√	√
Dynamic UCS	√	√
Interface		
Shortcut menu	√	√
Quick Access Toolbar	√	√
Layout tab	√	√

Application Status Bar	✓	✓
Custom User Interface CUI	✓	✓
Visual menu customization	✓	✓
Ribbon interface	✓	✓
Property Palettes	✓	✓
Design Center	✓	✓
Tool Palettes	✓	✓
Command Line	✓	✓
Workspace	✓	✓
File tab bar	✓	✓
Dark and light theme mode	✓	✓
UCS coordinates	✓	✓
Draw		
Line, Polyline, Spline, Ray, Construction Line	✓	✓
Multiline, Multiline Style	✓	✓
Circle, Arc, Ellipse, Ellipse Arc	✓	✓
Polygon, rectangle, region, concentric circles, multi-points	✓	✓
Helix	✓	✓
Parametric constraints	✓	✓
Move, copy, rotate, scale, mirror, stretch, and align	✓	✓
Trim, extend, lengthen, break, merge	✓	✓

Fillet, chamfer	√	√
PDF Attach	√	√
Image attach	√	√
DWG Attach	√	√
Print		
CTB and STB Print Style table	√	√
Built-in print driver	√	√
Input and editing page setup	√	√
Publish	√	√
Shaded and Hidden Print	√	√
Batch Print	×	√
Arrange Frame	×	√
Transparency print	√	√
Raster Image Print	√	√

5. Performance Comparison

5.1. Comparison Environment and Test Result

	BricsCAD 2025	GstarCAD 2026
Software Version	25.2.04(X64)	BUILD250407-64bit
System Environment	-	
Hardware Environment (Processor)	12th Gen Intel(R) Core(TM)i5-12500	
Hardware Environment (with Ram)	16.0 GB (DDR4 3200MHz)	
Hardware Environment (Graphics Card)	-	

We selected 50 drawings and tested 12 key functional operations, recording the average response times for both software solutions. All operations were performed using default software settings (For example, GstarCAD has hardware acceleration disabled by default, while BricsCAD has it enabled by default). From the comparison Results, GstarCAD demonstrates superior performance across all tests, particularly in frequently used operations like saving, deleting, and mirroring, showing efficiency improvements exceeding 60%. This makes it particularly suitable for high-frequency editing scenarios. The current version of GstarCAD shows significant performance advantages in these core operations.

- Basic File Operations

GstarCAD maintains leadership in basic file operations:

19% faster in opening drawing

69% faster in saving

45% faster in regeneration

The advantage of saving is more obvious, requiring only one-third the time of that of BricsCAD.

- Objects Editing Performance

GstarCAD excels in objects operations:

89% faster in zooming all

51% faster in selecting all

90% faster in deleting

55% time saving in moving

- Interactive Response Efficiency

GstarCAD dominates in routine editing scenarios:

44% faster for Undo operation

38% faster for Redo operation

CTRL + C speed enhanced by 66%

Across all 11 test metrics, GstarCAD's performance advantages range from a minimum 19% (when opening pictures) to a maximum 90% faster (Deleting operation).

5.2. Speed Comparison Table

Test items	BricsCAD 2025 (average)	GstarCAD 2026 (average)
Open	5.14s	4.15s
Save	2.83s	0.89s
Regen	1.56s	0.86s
Zoom All	0.53s	0.06s
Select All	2.8s	1.37s
Delete	16.21s	1.63s
Move	13.25s	5.94s
Undo	6.45s	3.6s
Redo	11.41s	7.07s
Mirror	16.93s	5.1s
CTRL + C	20.88s	7.05s

6. Compatibility Comparison

In terms of file compatibility, the two softwares support the basic same formats, covering the mainstream drawing formats. But for the secondary development interfaces, BricsCAD does not support as many interface programs as GstarCAD.

Comparison table of the main compatible file formats and secondary development interfaces between GstarCAD 2026 and BricsCAD 2025

6.1. File Format Support

Format	BricsCAD 2025	GstarCAD 2026
Open DWG	√	√
Open DXF	√	√
Open DWS	√	√
Open DWT	√	√
Open DGN	√	X
Open Rhino file (.3dm)	√	X
Open SketchUp File	√	X
Print Style Sheet File CTB / STB	√	√
Open IFC file (.ifc)	√	√
Open Revit file (.rvt / .rfa)	√	√
Open STEP (.step / .stp / .ste)	X	√
Open IGES (.iges / .igs)	X	√
Open third - party drawings (.3ds / .dae / .fbX / .obj / .ply / .stl)	√	√
CUI / CUIX Files	√	√
Old menu file MNU	√	√
Sheet Set File DST	√	√
Hatch file PAT file	√	√
Font File SHX	√	√
Line type file LIN	√	√
Export DWG	√	√
Export DXF	√	X
Export DWT	√	X
Inport and export metafile (.wmf)	√	√

Import and export Collada files (.dae)	✓	X
Import OBJ file (.obj)	✓	X
Import and export Rhino files (.3dm)	✓	X
Import SketchUp files (.skp)	✓	X
Import and export ACIS files (.sat)	✓	✓
Import 3D Studio File (.3ds)	X	✓
Import and export DWF / DWFX files (.dwf / .dwfX)	X(import not supported)	✓
Import and export DGN files (.dgn)	✓	X(export not supported)
Import PDF file (.pdf)	X	✓
Import and export SVG files (.svg)	X(import not supported)	✓
Import and export IFC files (.ifc)	✓	✓
Import Revit files (.rvt / .rfa)	✓	✓
Import STEP (. step / . stp / . ste)	X	✓
Import IGES (.iges / .igs)	X	✓
Export emf	✓	✓
Export .stl	✓	✓
Export .eps	X	✓
Export .bmp	✓	✓
Export FBX file	✓	X

6.2. Secondary Development Interface Support

The secondary development interface in GstarCAD has stronger compatibility and has built a mature industry plug-in ecosystem to reduce enterprise migration costs.

Secondary development interface	Interface	BricsCAD 2025	GstaCAD 2026
	LISP	√	√
	VBA	√	√
	.COM	√	√
	.NET	√	√
	ARX	√(Compatible with BRX)	√(Compatible with GRX)
	Python	X	√

7. User Experience and Interface Design

In general, GstarCAD is more suitable for AutoCAD migration users and small and medium-sized enterprises due to its flexible interface, deep compatibility and localized services; BricsCAD is good at AI prediction and cross-platform capabilities, but requires Higher learning cost. The differentiated positioning of the two provides complementary choices for different user groups.

● Interface Layout and Personalization

GstarCAD provides a three modular interface (Classic\2D Drafting\3D modeling), supports free interface switching, and allows users to customize the quick access bar, theme color and workspace layout, and provides dark/ light themes to relieve visual fatigue.

● Operating Habits Adaptability

GstarCAD is fully compatible with AutoCAD operating logic. The command aliases, shortcut keys and file systems are consistent with AutoCAD, which achieves zero-cost migration.

Although BricsCAD retains the core command structure of AutoCAD , its layer management, command names and spellings are quite different from mainstream CAD, and users need to be deeply familiar with them before they can efficiently configure the drawing environment.

● Multi-terminal Compatibility

GstarCAD is compatible with Windows/Linux/Android/iOS/ HarmonyOS (Chinese version) systems to achieve cross-terminal cloud collaborative design. BricsCAD supports Windows/macOS/Linux, but has limited support for mobile terminals.

In terms of file compatibility, GstarCAD perfectly supports dynamic blocks and Asian large font parsing, while BricsCAD loses dynamic properties when opening dynamic block drawings sometimes.

● Core Performance and Functional

Compared with mainstream CAD products, such as GstarCAD, BricsCAD still weeks in compatibility and functionality. In the comparison of twelve operational performances with GstarCAD 2026, the overall opening and response speed are behind GstarCAD.

8. Cloud Collaboration

Bricsys is a 24/7 document collaboration platform based on a universal cloud environment, focusing on document automation process management, supporting role permission allocation and task status tracking.

Based on the self-controllable CAD kernel, GstarCAD365 builds an integrated "cloud + multi-terminal" architecture to realize the cross-terminal flow of design data from modeling, collaboration to manufacturing, and supports native adaptation of web/PC/mobile terminals.

	Bricsys 24/7	GstarCAD 365
core position	Focusing on cloud document management and workflow automation, it provides role-based permission control, graphical process editing, automatic task allocation and real-time status tracking, emphasizing standardized process compliance, and is suitable for Used in industries that require strict control, such as construction and engineering	With "cloud + multi-terminal" as the core, it integrates cross-terminal collaborative design, cloud annotation , version control, instant messaging and other functions, supports lightweight processing of 2D/3D models, and covers the entire design, construction, operation and maintenance Process, adapting to multiple fields such as engineering and mechanical manufacturing
Collaboration With the text File Management	Automatic workflows are triggered through folders, tasks are assigned by role and support time-driven upgrade rules to ensure document circulation efficiency; permission control is refined to the role level, which is suitable for large-scale projects with	Supports simultaneous annotations (clouds, text, etc.) by multiple people without modifying the original DWG file ; provides drawing version comparison, rollback, and automatic change notification, with built-in historical tracing function to ensure that the collaboration process is auditable

	multiple Role Collaboration	
Deploy With An All	Based on public cloud deployment, emphasizing unlimited number of users and standardized process security	Provides public cloud and private cloud dual modes, supports local server isolation deployment, implements fine-grained permissions and behavior audits, meets the high safety requirements of data storage, and GstarCAD owns independent and controllable core technologies
Cross-end End Ecosystem	Relying on web and desktop collaboration, ecological compatibility is unclear	It integrates web, mobile terminal and Windows client to support seamless collaboration of GstarCAD series software, covering the whole scene of design, drawing viewing and annotation, and adapting to the needs of remote and on-site collaboration.

Bricsys 24/7 is driven by standardized processes and excels in automated process management, but lacks native 3D processing capabilities and localized deployment solutions, making it more suitable for cross-project collaboration. GstarCAD 365 has differentiated advantages in localization adaptation, 3D collaboration depth, and data security, making it particularly suitable for enterprises with strict requirements on data sovereignty and engineering teams that need cross-terminal collaboration.

9. GstarCAD Innovative Features

GstarCAD has customized a large number of unique functions according to user needs.

The innovative features of GstarCAD:

Features	Description
Align Tool (ALIGNTOOL)	Allows you to align the selected objects along the X or Y axis coordinates.
ACAD Tool Palettes Import Tool	Import AutoCAD© customized Tool palettes in the WINDOWS Start menu easily.
Area Sum (AREASUM)	Displays the current closed region value and area sum sequence in command line.
Area Table (AREATABLE)	Dimensions and counts the area of an enclosed object and exports the result to a table in the current drawing area.
Arrange Tool (ARRANGETOOL)	Aligns multiple objects left, right, top, bottom, center, vertical or laterally.
Attribute Increment (ATTINC)	Attributes values increment automatically or manually according to specified method.
Auto Layer (AUTOLAYER)	Customizes and predefines the associated layer of a command to streamline drafting workflow.
AUTOXLSTABLE	Allows to insert excel, and static block quantity, area and length and auto update the data according to the changes of the object.
Barcode (BARCODE)	Allows inserting the barcode to objects to corresponding paper documents and electronic drawing file.
Batch Print(BP)	Batch prints the drawing frames by pages.
Batch Purge (BATPURGE)	Batch purges the redundant blocks, layers, linetype, dimensions and text, etc in drawings.

Block Break (BLOCKBREAK)	Allows you to wipeout or break an object that is overlapped by a reference block.
Break Object (BREAKOBJECT)	Breaks the intersected lines and allows you to set the gap value.
CAD table to EXCEL (GC_CTE)	Converts sheets, composed by line/Spline and text/Mtext in CAD, to EXCEL.
Change Base (CHANGEBASE)	Modifies the base point position of the block.
Change Text (CHANGETEXT)	Modifies several texts simultaneously.
CIRCLE(C) Parameter	CIRCLE(C) parameter; Draws multiple concentric circles with one radius.
Collaboration	The GstarCAD Collaboration Tool is an embedded plugin available for GstarCAD platform aimed to help CAD designers work together among a single referenced drawing file at the same time, control drawing revisions and manage medium, big or complex projects with ease and reliability, reducing communication barriers across different industries.
Define Layout Viewport from Model Space(M2LVPORT)	Creates a viewport on layout space by selecting objects in the model space.
Dimension Coordinate (DIMCORD)	Marks X, Y coordinate values of the point.
Distance from Endpoint Snap	Allows to snap a certain distance from any endpoint of objects and the distance value can be modified at status bar at any time.
Divide Segments Snap	Allows snap the divided segment points of objects and the divided segment number can be modified at any time.
Export Coordinate (COEXPORT)	Exports the coordinate of the picking point to txt or xls files.
FILLET(I) Invert Parameter	Creates a reverse fillet by this option.
Frame Automatically	Automatically searches for the frame, calculates according to the

(FRAMEAR)	frame size, and arranges multiple drawings on a large-format drawing reasonably.
Free Scale (FREESCALE)	Scales an object without restrictions under three modes; Non-Uniform, Rectangle and Free.
Freeze Other Layer (LAYFRZOTHER)	Freezes other layers except the layer where the selected object is located.
Graphic Compare (OCMP)	Compares graphic of two groups of objects or two files.
GstarCAD tools (12 functions)	Allows you to quickly draw the industry drawings with GstarCAD tools
Import HPGL/2 (IMPORTHPGL)	Imports a PLT files.
Get Selection by Block Name (GETBLKSEL)	Multi-selects objects with the same name in specified area.
Get Selection by Object Type (GETENTSEL)	Multi-selects objects with the same entity type in specified area.
Get Selection by Layer (GETLAYSEL)	Selects all the objects in specified layer and specified region at one time.
Get Selection by Color (GETCOLSEL)	Quick selects the objects with the same color.
Get Selection by Object/Layer (GETENTLAYSEL)	Selects entities by entity type and layer.
Get Selection by Object/Color (GETENTCOLSEL)	Selects entities by entity type and color.
Get Selection by Layer/Color	Selects entities by color and layer.

(GETLAYCOLSEL)	
Dimension Coordinate Position (HCZZBD)	Dimensions the coordinate position.
Layer Draw Order (LAYDRAWORDER)	Changes the order of the layers by bringing to front or sending to back.
Lock Other Layers (LAYLCKOTHER)	Locks other layers except the layer where the selected object is located.
Layer Unlock All (LAYULKALL)	Unlocks all layers.
Off Other Layers (LAYOFFOTHER)	Turns off other layers except the layer where the selected object is located.
Magnifier (MAGNIFIER)	Views a specific area of your drawing as a magnifier with the capability of snap points without performing zoom in/out on big drawings.
OFFSET(B) Both Sides	Offsets to both side, no need to operate twice.
Outline (OUTLINE)	Generates the outline by clicking the closed region.
Pline Boolean (GC_BOOLOP)	Operates the closed pline with union, intersection and subtraction.
Print PLT(PRINTPLT)	Prints the generated PLT file.
QR Code(QRCODE)	Extracts data or inputs data to generate QRcode which can be scanned by mobile device to obtain data.
Rapid Distance (RAPIDDIST)	Measures distance and angle between 2D objects along X, Y axis rapidly by moving mouse.
RECTANGLE(O) Parameter	RECTANGLE(O) parameter, Draws an rotate rectangle with (O)option
Region Scale (REGSCALE)	Selects a region of a drawing to be cut and copied to a new location.

ROTATE(Multiple)Parameter	Copies many objects with different rotate angles, or draw circles array.
Shortcut Customization (CUSTACC)	Customizes the shortcut key.
Spline to Pline (Sptpl)	Converts spline to polyline according to the accuracy (number of segments of the arc) that the user assigns.
Statistics Summation (KLL01)	Sums up the selected text or Mtext.
Symmetric Draw	Directly draws symmetrical shapes, it can omit the operation of the mirror.
Text Incremental Copy (GC_dztext)	Accomplishes kinds of incremental methods for text.
Text Align (TEXTALIGN)	Aligns text along X or Y coordinates, or along a line of specific direction.
Text Match (TEXTMATCH)	Matches both text and Mtext attributes in the current drawing, avoiding select and edit text attributes one by one.
Text Online (TEXTONLINE)	Distributes the text uniformly along a selected spline, polyline or arc. It can also create text online quickly for multiple curves.
Total Length (MEASUREGEOM)	Inquire total length of the selected lines.
WIPEOUT (supports circle and arc)	Generates wipeout by clicking circle or a pline object contains arcs.
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GstarCAD innovative features enhance your drawing efficiency greatly.

10. Conclusion

GstarCAD is far ahead of BricsCAD in compatibility and basic CAD functions. It provides users with a better experience interface, functions, and flexible licensing. GstarCAD provides users with a simpler and more user-friendly drawing environment with complete basic functions. It also continuously develops innovative features to enhance designers work efficiency. GstarCAD is a better choice.



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