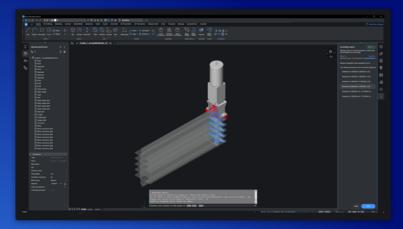


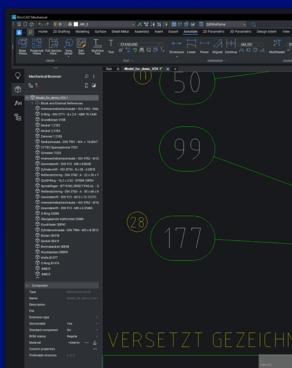
# Feature Comparison Matrix BricsCAD® Mechanical, AutoCAD® Mechanical, ZWCAD Pro + MFG, GstarCAD Pro + Mechanical

# January 2024









- Feature /Function is available
- Feature /Function is not available
- Feature /Function is available, but BricsCAD functionality is superior
- Limitations to this Feature / Function

## **Key Differentiating Capability**

This first chart highlights the main capability in BricsCAD® that we use to differentiate ourselves against the competition.

This is a summary guide for sales teams which outlines those features we should be discussing and showcasing in competitive situations, or when looking to replace  $AutoCAD^{\circ}$ , which are unique to us and give us a functional advantage.

	BricsCAD®		AutoCAD®		ZWCAD		GstarCAD	
Feature	Lite	Pro	LT	Full	Std	Pro	Std	Pro
Interface	Interface							
Contextual Quad Menu	<b>~</b>	<b>~</b>	-	-	-	-	-	-
Searchable Settings Variables Dialog Box	~	~	-	-	-	-	-	-
Drawing Explorer	~	~	-	-	<b>②</b>	<b>②</b>	-	-
Structure Browser	<b>~</b>	<b>~</b>	-	-	-	-	-	-
Selection, Snap & Track	Selection, Snap & Track							
Nearest Distance	<b>~</b>	<b>~</b>	-	-	-	-	-	-
Adaptive Grid Snap	<b>~</b>	~	-	-	<b>Ø</b>	<b>Ø</b>	<b>Ø</b>	•
Editing Tools				Editing	g Tools			
CopyGuided / MoveGuided	<b>~</b>	<b>~</b>	-	-	-	-	-	-
Manipulator (3D Gizmo)	<b>~</b>	<b>~</b>	-	<b>~</b>	-	-	-	-
Drawing Health Management	<b>~</b>	~	-	-	-	-	-	-

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1	Brics	CAD®	Auto	CAD®	ZW	CAD _	Gsta	rCAD _
Feature	Lite	Pro	LT	Full	Std	Pro	Std	Pro
Editing Tools					ing Tools			
Optimize	~	<b>~</b>	-	-	-	-	-	-
Simplify	<b>~</b>	~	-	-	-	-	-	-
Reference Tools			-	Referen	ce Tool	s		
Block Face Camera	<b>~</b>	<b>~</b>	-	-	-	-	-	-
Blockify	~	<b>~</b>	-	-	-	-	-	-
Parametric Blockify	-	<b>~</b>	-	-	-	-	-	-
Point Cloud Tools			Р	oint Clo	oud Too	ls		
Native tools for working with Point Clouds	-	<b>~</b>		<b>Ø</b>	-	•	<b>Ø</b>	•
Modeling Tools				Modelir	ng Tools	3		
Twist / Multi-Slice / 3D Parametric Design Tables	-	<b>~</b>	-		-	-	-	-
T Connect, L Connect, Connect with Nearest	-	~	-	-	-	-	-	-
Licensing				Lice	nsing			
License options to suit your needs	<b>~</b>	<b>~</b>	<b>Ø</b>	<b>Ø</b>	<b>Ø</b>	<b>⊘</b>	<b>Ø</b>	<b>⊘</b>

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## **Full Feature Comparison**

This chart outlines all of the capability areas in BricsCAD® and our competition, providing a comparison between them for each feature.

This is a guide for technical teams, such a Pre-sales, highlighting features where we are either unique or comparable to the competition.

Feature	BricsCAD® Mechanical	ZWCAD Pro + MFG	GstarCAD Pro + Mechanical	AutoCAD® Mechanical		
Manufacturing Tools	Manufacturing Tools					
Mechanical Browser	✓	-	<b>✓</b>	<b>~</b>		
Parts Library	✓	✓	✓	✓		
Piping	✓	-	-	<b>✓</b>		
Assembly Modeling	✓	-	✓	<b>✓</b>		
Assembly Inspect	<b>✓</b>	-	-	<b>~</b>		
Exploded Views	<b>✓</b>	-	-	<b>✓</b>		
Kinematic Analysis	<b>✓</b>	-	-	<b>✓</b>		
Bill of Materials (BOM)	<b>✓</b>	<b>✓</b>	✓	<b>✓</b>		
Balloons associated with BOM and Drawing Views	<b>✓</b>	✓	<b>✓</b>	<b>✓</b>		
Sheet Metal Design	✓	-	-	✓		
3D Solids to Sheet Metal Parts recognition and conversion	✓	-	-	✓		
Corner Relief for Adjacent Edge Flanges	<b>✓</b>	-	-	<b>~</b>		
Lofted Bends	✓	-	-	<b>✓</b>		
Other features: Junctions, Miters, Tabs, Form Features	✓	-	-	<b>✓</b>		
Feature Coloring	<b>✓</b>	-	-	<b>✓</b>		
Diagnostic and Repair for Sheet Metal features	✓	-	-	<b>✓</b>		
Batch Processing of Sheet Metal Features	<b>✓</b>	-	-	<b>✓</b>		
Mechanical Toolsets						
Assembly design	<b>✓</b>	-	<b>✓</b>	<b>~</b>		
Components library	<b>✓</b>	<b>✓</b>	✓	<b>~</b>		
BOM generation	<b>✓</b>	✓	<b>✓</b>	<b>✓</b>		
Exploded View creation	<b>✓</b>	-	-	<b>✓</b>		
Assembly Step view creation	<b>✓</b>	-	-	<b>✓</b>		
2D View Generation	✓	<b>✓</b>	<b>✓</b>	<b>~</b>		
Sheet metal design workflow	<b>✓</b>	-	-	<b>~</b>		
Piping design workflow	<b>✓</b>	-	-	<b>✓</b>		
Welding toolkit	<b>✓</b>	-	<b>✓</b>	~		
2D Mechanical Annotation tools	<b>✓</b>	<b>~</b>		<b>~</b>		

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Feature	BricsCAD® Mechanical	ZWCAD Pro + MFG	GstarCAD Pro + Mechanical	AutoCAD® Mechanical			
3D Modeling	3D Modeling						
3D Drawing View capabilities	✓	✓	✓	✓			
3D Modeling tools	✓	✓	✓	✓			
3D Editing tools	✓	✓	✓	✓			
3D Blocks	✓	-	✓	✓			
3D Block Library	✓	-	✓	✓			
Render Materials	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓			
3D Parameters and Constraints	✓	-	-	✓			
Automatic 3D Parametrization	✓	-	-	✓			
Animation	<b>✓</b>	-	<b>✓</b>	✓			
Visualization: Twinmotion Export and Direct Link	✓	-	✓	✓			
V24 New Features	V24 New Features						
Assembly Inspection (Beta)	✓	-	-	-			
Part Reference and Part List commands	✓	-	✓	✓			
AMBOM Settings dialog	<b>✓</b>	-	<b>✓</b>	✓			
2D Annotation Rescaling in Model space	<b>✓</b>	<b>✓</b>	<b>Ø</b>	✓			
DXFOUT	<b>✓</b>	•	<b>✓</b>	<b>✓</b>			
Welding Symbol Recovery	<b>~</b>	-	<b>✓</b>	<b>✓</b>			
Power Dimensioning	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓			