ZWCAD 2025 VS ZWCAD MFG 2025

		ZWCAD		ZWCAD MFG
		Standard	Professional	ZWCAD Professional + Mechanical Features
Mechanical Features	Standard Frame	✗	✗	✓
	Mechanical Drawing Tools	✗	✗	✓
	2D Hide	✗	✗	✓
	Construction Line	✗	✗	✓
	Shaft and Gear Generator	✗	✗	✓
	Pulley and Sprocket Generator	✗	✗	✓
	Moment of Inertia Calculation	✗	✗	✓
	Deflection Calculation	✗	✗	✓
	2D View Generation	✗	✗	✓
	Power Dimension	✗	✗	✓
	Symbol Dimension	✗	✗	✓
	Technical Requirement Library	✗	✗	✓
	Associatlve Balloon and BOM	✗	✗	✓
	Part Library	✗	✗	✓
	Advanced Part Library*	✗	✗	✓
Compatibility	Compatible with DWG	✓	✓	✓
	Compatible with DWT, DXF, DWS, DWF, DWFx	✓	✓	✓
	PDF, DGN Import and Export	✓	✓	✓
Interface	Classic and Ribbon Interfaces	✓	✓	✓
	Customize User Interface (CUI)	✓	✓	✓
	Dark / Light UI	✓	✓	✓
	Tool Palettes	✓	✓	✓
	Properties Palette	✓	✓	✓
	Panel Navigator	✓	✓	✓
	Dynamic Input	✓	✓	✓
	Auto-complete Command Entry	✓	✓	✓
	Drawing Tab Switching	✓	✓	✓
	Adaptive Grid	✓	✓	✓
Advanced Features	Flexiblock	✓	✓	✓
	Sheet Set Manager	✓	✓	✓
	Point Cloud	✗	✓	✓
	GIS	✗	✓	✓
	Quick Properties Panel	✓	✓	✓
	File Compare	✓	✓	✓
	Raster to Vector Conversion	✗	✓	✓
	Area Table	✓	✓	✓
	Quick Calculator	✓	✓	✓
	Design Center	✓	✓	✓
	Match Property	✓	✓	✓
	Group	✓	✓	✓
	Quick Select	✓	✓	✓
	Multiline and Multiline Style	✓	✓	✓
	Express Tools	✓	✓	✓
	Data Extraction	✓	✓	✓
	Barcode & QR Code	✓	✓	✓
	Lockup & Unlock	✓	✓	✓
Innovations	Smart Mouse	✓	✓	✓
	Smart Voice	✓	✓	✓
	Smart Select	✓	✓	✓
	Smart Plot	✓	✓	✓
Annotation	Leader & MLeader	✓	✓	✓
	Associative Dimension	✓	✓	✓
	Text and MText	✓	✓	✓
	Annotative Object	✓	✓	✓
	Revcloud	✓	✓	✓
	Text In-place Editing	✓	✓	✓
	Hatch / Gradient Hatch	✓	✓	✓
	Super Hatch	✓	✓	✓
	Tables & Table Styles	✓	✓	✓
	Field	✓	✓	✓
Layer	Layer Properties Manager	✓	✓	✓
	Layer Filter	✓	✓	✓
	Layer State Manager	✓	✓	✓
	Layer Browser	✓	✓	✓
Xref, Block & Attribute	OLE	✓	✓	✓
	Raster Images	✓	✓	✓
	Underlay (DWG, DWF(x), PDF)	✓	✓	✓
	Xrefs In-place Editing	✓	✓	✓
	Multiple Blocks Inserting	✓	✓	✓
	Block Attribute Manager	✓	✓	✓
Output	CTB & STB Plot Style	✓	✓	✓
	Plot	✓	✓	✓
	Publish	✓	✓	✓
	Export	✓	✓	✓
	eTransmit	✓	✓	✓
3D	Solid, Surface, Mesh Modeling	✗	✓	✓
	Photorealistic Rendering	✗	✓	✓
	Visual Style	✓	✓	✓
	3D Orbit	✓	✓	✓
	ACIS Viewing	✓	✓	✓
	IFC Import	✓	✓	✓
	3D mouse	✓	✓	✓
	STEP Import	✗	✓	✓
	3D Gizmo	✗	✓	✓
Programming	MNU, MNS and MNL File Support	✓	✓	✓
	ActiveX API	✓	✓	✓
	LISP Support	✓	✓	✓
	Visual Basic for Applications (VBA)	✗	✓	✓
	Runtime Extension (ZRX/ARX)	✗	✓	✓
	.NET	✗	✓	✓
	Lisp Debugger	✓	✓	✓

*Advanced Part Library is an optional feature that requires extra charge, with a 30-day free trial. It supports many international and national standards including ISO, EN, DIN, ANSI, JIS and more. It consists of many mechanical libraries, including fasteners, steel shapes, marks and more. Additionally, users can insert and edit their own libraries.