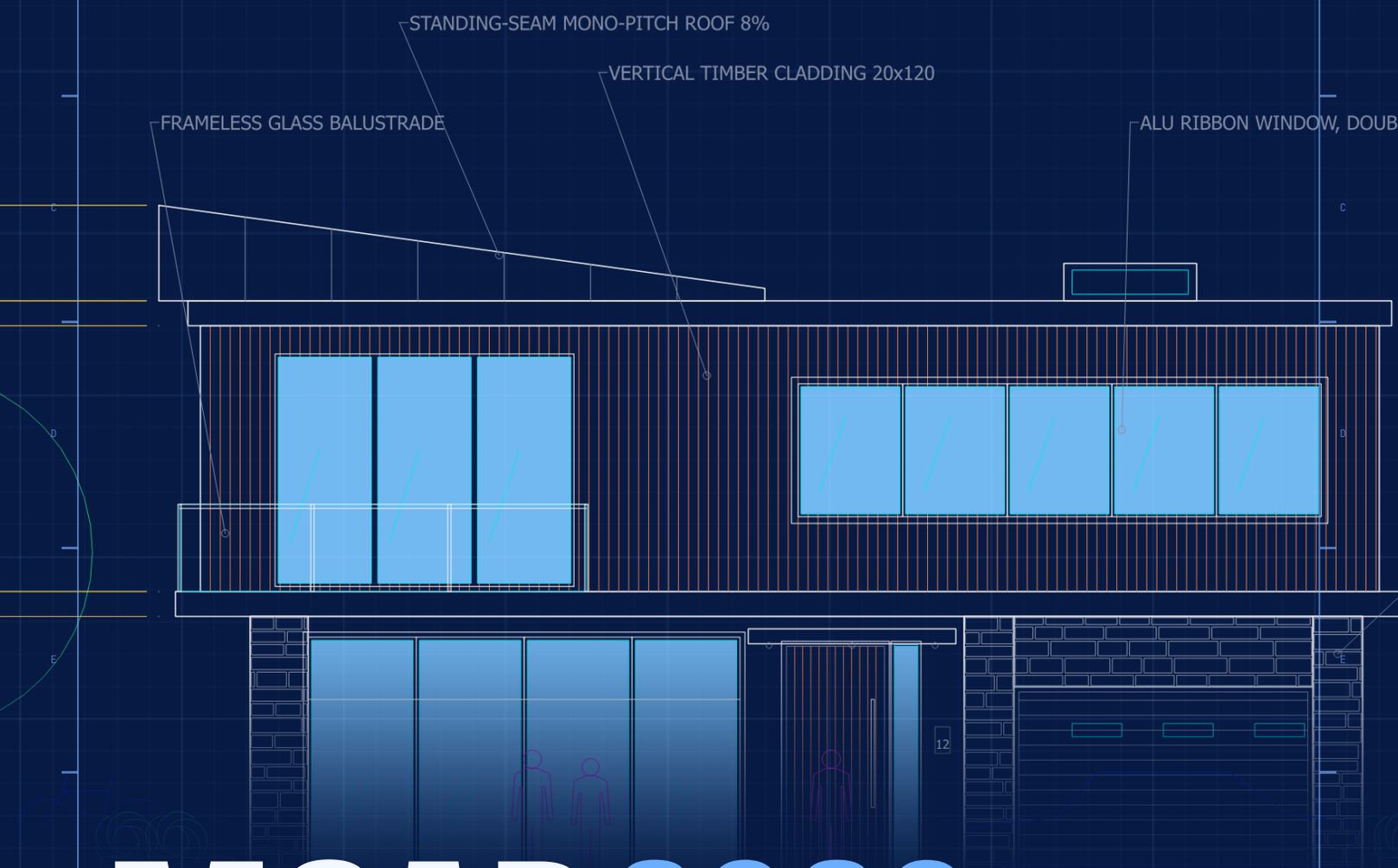
MECHATRONICS DESIGNED CO., LTD.

PRODUCT BROCHURE
WINDOWS 10 / 11 (64-BIT)



MCAD 2026

2D CAD WITH NATIVE DWG / DXF

2D drafting that speaks DWG.

01
Native DWG / DXF read & write

02
Familiar commands and aliases

03
Electrical, pneumatic & mechanical symbols

PERPETUAL LICENCE · NO SUBSCRIPTION REQUIRED

WWW.MECHDESIGNED.COM

02 — FEATURES

Everything a drafter needs, in DWG

Built for machine drawings, factory layouts, electrical panels and wiring diagrams. MCAD reads and writes DWG with its own engine, so your files go back and forth with customers unchanged.

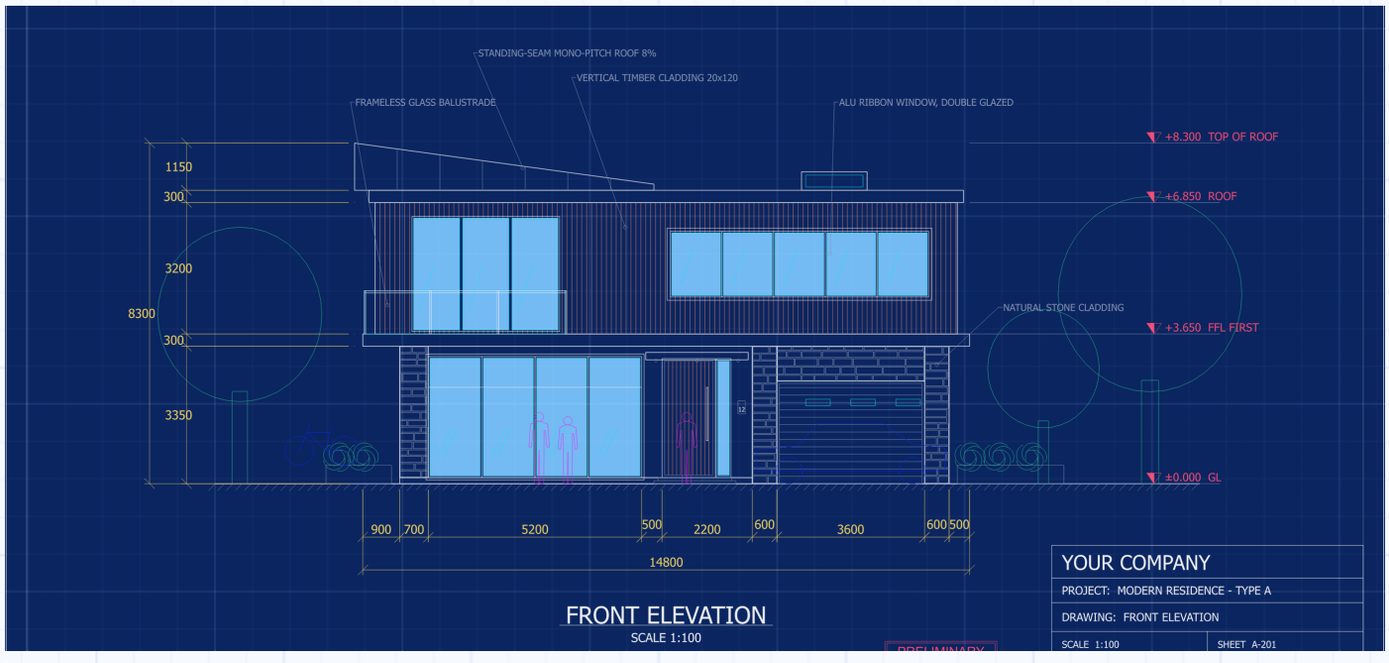


FIG. 1 — 2D CAD WITH NATIVE DWG / DXF

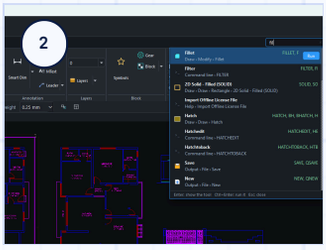
ITEM	FEATURE	DETAILS
1	**Native DWG / DXF**	Open, edit and save DWG and DXF directly · MET's own built-in DWG engine, nothing else to install · Layers, colours, linetypes, blocks and attributes kept · DXF save keeps dimensions, blocks and attributes as real objects
2	**Familiar drafting**	Ribbon plus command line with common aliases · Object snap, ortho, polar tracking, dynamic input · Geometric and dimensional constraints · Find a tool (Ctrl+F) and a Manual button on every tool
3	**Dimensions & annotation**	Smart Dimension on lines, arcs and polyline edges · Linear, aligned, angular, radial, ordinate, quick · Dimension styles and GD&T feature control frames · Text, multiline text, leaders, tables and fields
4	**Layers, blocks & attributes**	Layer manager and properties · Block editor with dynamic parameters and attributes · External references and Excel-linked tables · Title blocks from A4 to A0
5	**Symbol library & electrical**	MET symbol library: electrical (IEC), pneumatic (ISO 1219), mechanical, architecture · 700+ electrical symbols · Wiring-diagram wizard from a PLC tag list · Terminal and wire numbering
6	**Output & shop floor**	Layouts, viewports and plot styles · Print or PDF, multi-page PDF publishing and sheet sets · Automatic laser nesting on sheet stock · G-code for CNC, laser and plasma with cut preview

From DWG in to drawings out



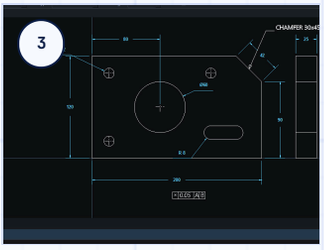
Open

Open the customer's DWG or DXF directly. No converter, no lost blocks.



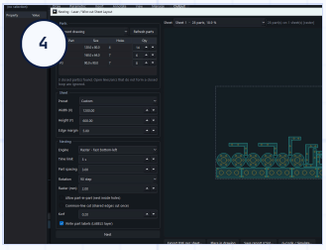
Draw & edit

Draft with familiar commands, snaps, constraints and blocks.



Annotate

Smart Dimension, styles, GD&T, text and symbols from the library.



Output

Plot layouts to PDF or printer, save DWG, or nest parts for cutting.

OPEN & IMPORT

DWG	Read natively with MET's own DWG engine
DXF	Read natively; DWG / DXF also attach as external references
MCAD project	MPRJ
PDF	Import vector geometry
Images	PNG, JPG, BMP, GIF as pictures and logos
Survey	Point clouds (XYZ, PTS, CSV, TXT) and LandXML

SAVE & OUTPUT

DWG / DXF	Save natively, send straight back to customers
PDF	Plot single sheets or publish multi-page sets
Print	Any Windows printer with plot styles
CNC	G-code (.nc, .gcode, .tap) for CNC, laser and plasma
Nesting	One DXF per nested sheet, CSV report
Package	Drawing plus all references in one ZIP

MCAD reads and writes DWG with MET's own engine. No AutoCAD® and no add-on converter required.

SEARCH

Find a tool (Ctrl+F)

Coming from another CAD program? Press Ctrl+F, type what you want to do, and MCAD takes you to the command. Python macros automate repetitive drafting.

SYSTEM

System & availability

- Windows 10 / 11 (64-bit)
- Direct download from mechdesigned.com or Microsoft Store
- Internet once for activation, then works offline
- Thai text in drawings; support in Thai and English

04 — LICENSING

One edition. Every tool. Yours to keep.

MCAD 2026 comes as one complete edition: every command, the symbol library, electrical tools and nesting are included.

- **DWG / DXF read & write**
- **233 commands with aliases**
- **Smart Dimension & GD&T**
- **Constraints**
- **Layers, blocks, attributes**
- **Dynamic blocks & xrefs**
- **Symbol library**
- **Wiring-diagram wizard**
- **Layouts & PDF publishing**
- **Laser nesting & G-code**
- **Gear generator**
- **Python macros**

LICENCE

Licensing

- Perpetual licence: pay once and keep using your version. No subscription required.
- Free 30-day trial: test every tool on your own drawings.
- Activate online once, then MCAD keeps working offline.
- One seat runs on one computer at a time; release it and move it to a new computer yourself.

ABOUT

About MET

Mechatronics Designed Co., Ltd. (MET) builds automation machinery in Thailand. MCAD was built by the MET development team from 20+ years of designing automation machinery, and support comes in Thai and English from the people who write the software.

TRIAL

Free 30-day trial

Download from mechdesigned.com or Microsoft Store and try every MCAD tool free for 30 days on your own drawings.

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SCAN

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