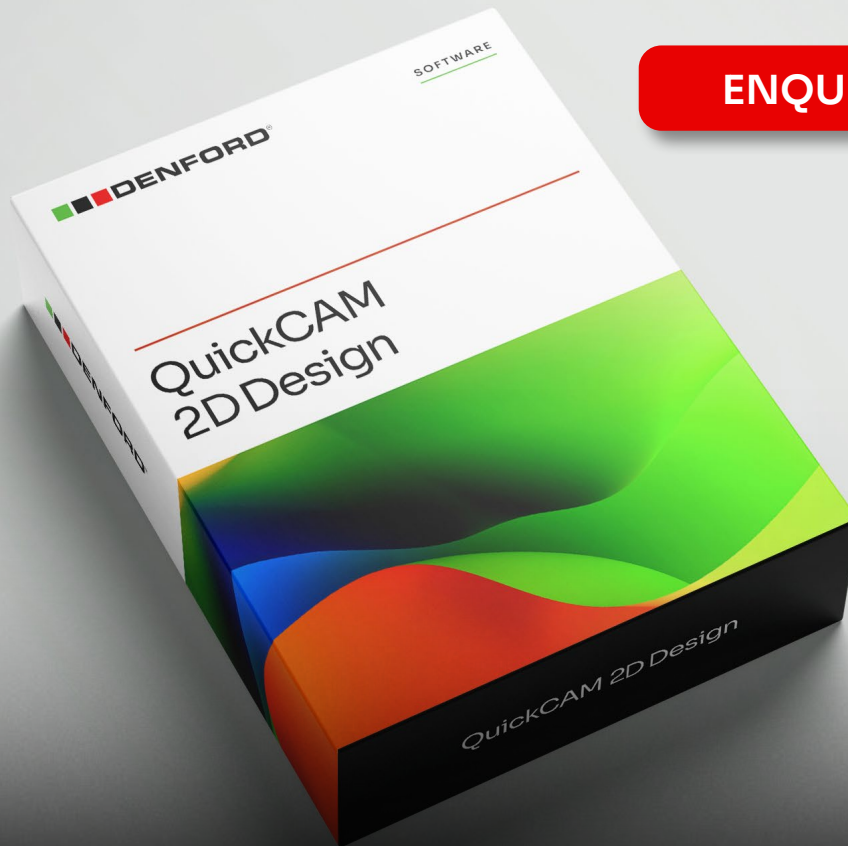


QuickCAM 2D Design



2D Design and Manufacture Software



ENQUIRE NOW



**Advanced, easy
to use wizard**



**V-Carve extension
included**



**Various import
options**

Powerful tools to make CNC manufacturing easy

You can create designs quickly and accurately, then run the CAM wizard to create CNC machine toolpaths. It features various import options to allow images, PCB's and designs from other CAD packages to be manufactured. The customisable post processor and advanced printing facilities provide outputs to most desktop CNC and laser machines.

Advanced V-Carve Extension is now included as standard with QuickCAM 2D Design Software.

Recommended System Requirements

- 1 GHz or faster processor
- Minimum of 4 GB of RAM
- 1 GB Free Storage Space
- Microsoft Windows 7, 8, 10 & 11
- DirectX 12 or later compatible Graphics Card
- High-definition display (720p) or greater
- Provided on USB

Technical information

CAD Drawing Features

The following objects can be created to exact sizes: Lines, Arcs, Polylines, Curves, Polygons, Ellipses, Text, Multi-line Text with justification, Hatched areas, Offset paths, Bitmap Image Contours.

Any TrueType font available to Windows™ can be installed and used by QuickCAM 2D.

Drawing features allow easy creation and manipulation of objects:

- Customisable grid size for snapping to fixed distances
- Editable object nudge
- Angular (polar) snap
- Absolute and relative co-ordinate entry
- Object property editor allows sizes, angles and positions to be entered exactly
- Quick drawing navigation (pan & zoom) is realised by mouse wheel operation
- Object grips can be grabbed and moved
- Various object snap modes can be activated at any time: End point; Mid point, Nearest; Intersection, Tangent
- Perpendicular Object modifiers allow objects to be altered quickly and accurately: Move, Scale, Rotate, Mirror, Copy, Paste, Join, Explode, Group and Ungroup
- Customisable colour palettes for easy configuration to match the Laser driver, Rectangular array, Circular array
- Boolean shape operators: Union; Intersect; Split; Subtract

V-Carve Extension

The advanced V-Carve extension is now included as standard with QuickCAM 2D Design and enables 3 additional CAM features:

- V-Carve – allows shapes and text to be machined at the correct width by automatically controlling the depth of cut of the V cutter
- V-Carve Clearance – allows larger shapes (wider than the V cutter) to be machined by adding an area clearance path within the shape
- Add Tabs – allows parts to be retained while cutting through a billet. The size, number and depth of the Tabs can be user-defined

Import / Export Features

Import:

- Raster Image - JPG,BMP,ICO,EMF,WMF.
- Clipboard Vector paste (eg from CorelDraw)
- Gerber (RS274X) - PCB designs are imported and converted into polylines
- AutoCAD: DWG and DXF
- Vector Image Clipart - WMF, EMF
- Font - any Truetype Font (TTF) can be imported then used by the software
- Encapsulated PostScript: .EPS vector files

Export:

- AutoCAD: .DXF files can be saved
- QuickCAM 2D Design: .MCM files saved in LaserCAM can also be opened in QuickCAM 2D for CNC machining

CAM Wizard Features

Material selector - customisable materials define cutting feeds, speeds and cutting depth.

Machining plans - easily create and rearrange any number of machining plans from the following types:

- **Follow** - follow the shape's path - ideal for Engraving and Laser Cutting
- **Inside Offset** - offset cutter path inside shape(s) with automatic island recognition
- **Outside Offset** - offset cutter path outside shape(s)
- **Area Clearance** - multiple offset cutter paths inside the shape(s)
- **Raster Clearance** - create a raster path at any angle to clear the inside of shape(s)
- **Drill** - select point, circle or arc centres for drilling operations

Post Process - final tool path can be simulated quickly in 2D then posted (G code) to a variety of machines via the customisable post processor.

