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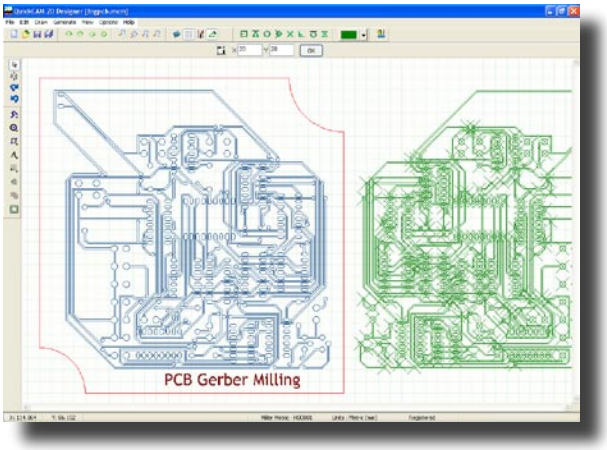
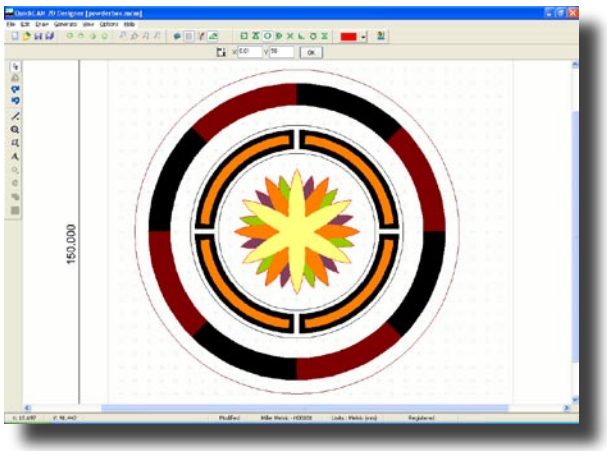
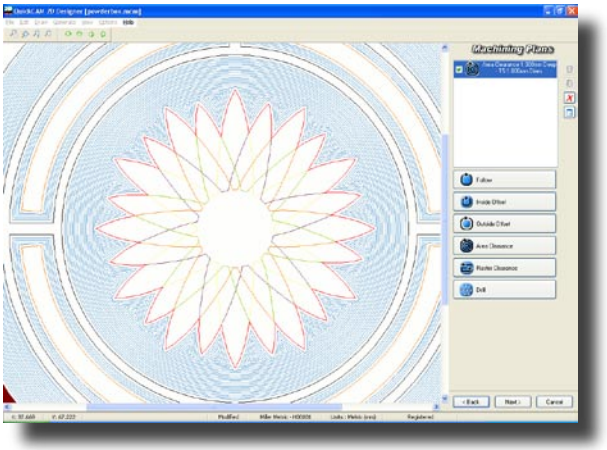
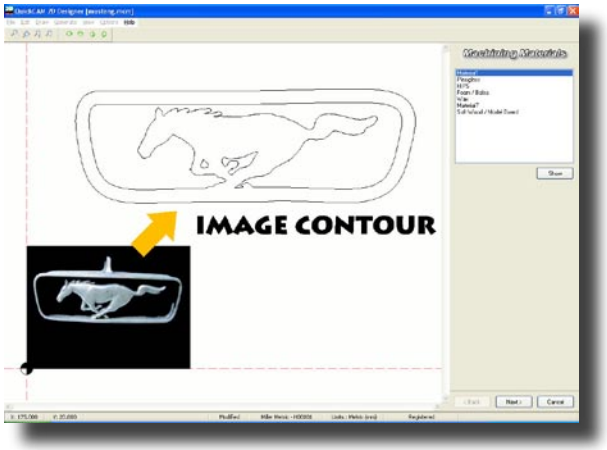
QuickCAM 2D Design

2D Design & Manufacture Software









QuickCAM 2D Design

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QuickCAM 2D Design is an advanced, yet simple to use wizard based 2D CAD/CAM package. 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 manufatured. The customisable post processor and advanced printing facilities provide outputs to most desktop CNC and laser machines.

CAD Drawing Features

Shape Creation:
Line, Polyline, Rectangle, Curve / Spline, Circle, Arc, Point, Polygon, Ellipse, Text, Multiple Line Text with Justification, Hatch, Offset Path, Image Outline (Contrast Edge Detection)

Drawing Helpers:
Customisable Grid Size, Grid Snap, Object Nudge, Polar Snap, Snap Modes: End, Middle, Centre, Nearest, Intersection, Tangent, Absolute and Relative Co-ordinate Entry, Shape Property Editors, Fast Drawing Navigation.

Shape Modification:
Unlimited Undo and Redo, Move, Scale, Rotate, Mirror, Copy, Paste, Join, Explode,
Group and Ungroup multiple shapes,
Apply colour to any shape, Modify shape using grips or by property editor, Boolean shape operations: Union, Intersect, Split, Subtract, Rectangular Repeat, Circular Repeat.

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 drawings (DWG,DXF) - drawings can be imported (Autocad versions 2.5 through to 2000)
Vector Image Clipart - WMF, EMF
Font - any Truetype Font (TTF) can be imported then used by the software
Export
Autocad DXF versions 10 through to 2000

Custom file format for loading and saving design, machining plans and images.

CAM Wizard Features

Material selector - customisable materials define cutting feeds, speeds and cutting depth
Machining plan - easily create and rearrange any number of machining plans from the following types:

Follow - follow the shapes path (engraving)
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

Automatic island recognition selects whether shapes within shapes are machined on the inside or the outside. Each islands level (ie, inside or outside) can be altered manually.
Post Process - finished machining can be simulated quickly in 2D then posted (G code) to a variety of machines via the customisable post processor

Powerful printing features allow printed output to be previewed, moved and scaled accurately - making it ideal for use with plotting, engraving and laser cutting devices.

SYSTEM REQUIREMENTS

IBM or 100% Compatible PC, Pentium III, 1Ghz plus 128MB RAM, 50MB Free Hard Disk Space,
Microsoft Windows 98,Me,XP/NT/2000 and later,
OpenGL 3D Accelerator Graphics Card with 64MB RAM supporting at least 1024 x 768 screen resolution.

HELP FORUM Get help, advice and share designs online
www.denfordata.com/bb

To get you up and running, Denford also offer a range of CNC Routers, Lasers, Milling Machines and Lathes, together with tooling packages, workholding kits and courseware.

Total Commitment to Manufacturing Technology in Education and Training Worldwide. ISO9001 compliant.
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