EnRoute
SOFTWARE

PROFESSIONAL CAD·CAM

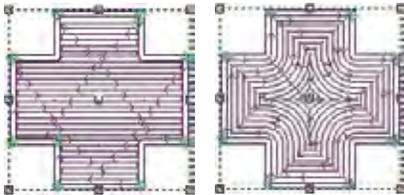# IF YOU HAVE A CNC MACHINE
You Need EnRoute Software

Consider the NEW EnRoute 5 your shop's Swiss army knife that helps drive new business. At the ready to make you money, **EnRoute Software** is specifically designed for use with your three-axis CNC machine. EnRoute tools are developed to help save design time and cut time, which increases productivity.

The bottom line is - whatever your industry, whichever machine you own, regardless of what other software you have - **EnRoute Software** will add value to your business. EnRoute...makes things easy.

5 Core Strengths of EnRoute 5 Software

DESIGN TOOLS
Intuitive and flexible, made to work the way you think. Our design tools allow for the easy creation and editing of shapes of all types for any application. EnRoute's **Jigsaw Tool** may be the most intuitive way to construct shapes on the market. Our powerful **Vectorization Engine** creates clean, cut-ready lines and contours with precision and speed. EnRoute gives you the tools you need to construct signs, cabinets, architectural millwork, plastic and metal fabrication and more.
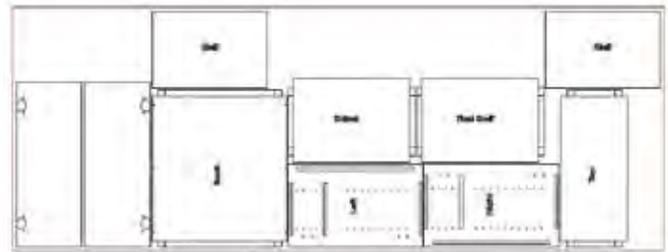
TOOLPATHING
EnRoute software has a fast, accurate and reliable toolpath engine. EnRoute's toolpaths are associated with the base geometry which automatically recalculates when changes are made. Verify output with **2D** Simulation for ordering, **3D** Simulation to get a sense of the finished product and **GCode Viewer** to verify the actual output. EnRoute's **AutoToolpath (ATP)** function allows you to process layered DXF files using saved Strategies to nest, order and output with just a few clicks of a button.

3D SURFACING/TEXTURING
EnRoute gives you three different methods of adding texture, allowing for endless design possibilities. Overlay bitmap images onto your design or select from EnRoute's collection of **Parametric Surfaces** then customize the look by modifying the parameters using the simple dialog boxes. EnRoute's **Rapid Texture** tool utilizes the shape and size of the bit to cut **3D Textures in 2D time**…..yes, in minutes.

NESTING
Problem: High cost of materials. Solution: EnRoute's lightning fast nesting engine and optimization tools. EnRoute 5's Nesting Suite offers new nesting algorithms and a simplified interface. **Common line, Nest around Obstructions, Block and Remnant** nesting has been added. All save time and increase material yield, increasing profits.

PRODUCTION
Design, toolpath, output. EnRoute provides the tools to accomplish every step in this process efficiently and easily, utilizing one software environment that is consistent and intuitive. The tools make sense and they operate the way you think. EnRoute offers a combination of capabilities that are second to none for CNC production.

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OFFERS A COMBINATION OF CAPABILITIES SECOND TO NONE IN THE CNC SOFTWARE WORLD.
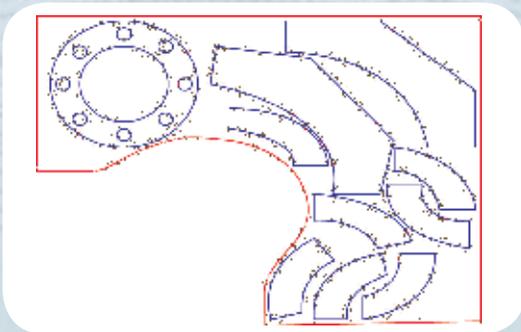
Will Make You Money...

3D ENGRAVE SUITE

EnRoute 5's new **3D Engrave Suite** now features **3D Engrave**, **Rapid Texture**, **Rapid Picture**, **Contour Distortion** and **Prismatic Lettering**. The 3D Engrave Suite features an easy-to-use interface that allows you to control and create unique design variations—capabilities unmatched in the industry.

ADVANCED NESTING SUITE

EnRoute 5 has expanded the **Advanced Nesting Suite** to deliver more cost-saving tools.

The new Nesting Suite includes **Advanced True Shape** and **Block Nesting**, **Nest-Around-Obstructions**, and **Common Line Cutting**.

The **Nest-Around-Obstructions** tool gives you the ability to specify areas on your plate where there are fixtures or material imperfections, then nest around these areas. This feature saves time and maximizes material yield by eliminating the need to manually reposition parts before cutting.

REMNANT CREATION

With today's high material costs, **EnRoute's Remnant Creation** optimizes material use and significantly reduces costs. EnRoute automatically identifies the sheet remnant and creates a separate contour for the saved remnant.

Then when it comes time for the next job, with a click of a mouse, EnRoute utilizes the remnant contour as your plate, fitting parts into every nook and cranny.
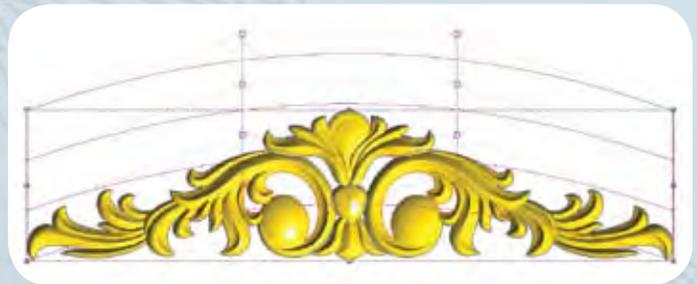
OBJECT DISTORTION AND NEW RELIEF TOOLS

EnRoute 5 adds another creative tool to its arsenal. Sometimes an existing design would be just perfect as part of a new design, except its shape needs to be tweaked to fit the new design. Instead of having to start over, **Object Distortion** lets you push and pull on elastic handles to define the new shape. It's great for either big changes or just the smallest adjustment.

By distorting your reliefs and introducing variations into your cut surfaces, it's amazing how this variation can help make your designs unique. These customized pieces will command top dollar from your customers.

EnRoute 5 TOP FEATURES

		Basic 5	Plus 5	Pro 5
DESIGN	Drawing, Editing and Design Tools	IMPROVED	IMPROVED	IMPROVED
	Single Stroke Fonts	NEW	NEW	NEW
	Object and Text Distortion	NEW	NEW	NEW
	Contour Line Noise Distortion	NEW	NEW	NEW
TOOLPATHING	2D Cutting	✓	✓	✓
	3D Engrave, Carving and Rapid Texture		✓	✓
	3D Relief Surfacing			✓
	Noise Distortion	NEW	NEW	NEW
	Rendering and Output Simulation	IMPROVED	IMPROVED	IMPROVED
3D SURFACING	3D Relief Creation and Editing			✓
	3D Parametric Surfacing			✓
	Relief Offset for Mold Making			NEW
	3D Rendered Simulation			*FASTER*
	Square-Corner Reliefs			NEW
	Relief Distortion-Follow a Path			NEW
	3D Engraving, Prismatic Lettering, Conic Tool		✓	✓
	Rapid Texture and Picture			✓
NESTING	Advanced Nesting Suite		IMPROVED	IMPROVED
	Quick Fit Nesting		IMPROVED	IMPROVED
	Nest with Obstructions		NEW	NEW
	Common Line Nest and Cut		NEW	NEW
	Remnant Sheet Creation		NEW	NEW
	Nesting within Remnants		NEW	NEW
	Automatic Tool Path / ATP		OPTIONAL	OPTIONAL
PRODUCTION	Tool Compensation	NEW	NEW	NEW
	Boxster Cabinet Maker		✓	✓
	Different Plates on Different Layers		NEW	NEW
	Simple Relief-Plate Alignment		NEW	NEW
	Fine Tool for Routing Offsets		NEW	NEW

www.EnRouteSoftware.com

Windows7 Compatible

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