



**EnRoute Fabrication** is intuitive CAD/CAM software designed to provide an easy way to create and output files for **CNC Plasma, Waterjet** and other related machinery. **E-Fab** combines an easy-to-use interface and simplified output process to provide a complete and powerful CAD/CAM solution at a great value.

With **E-Fab**, the design and output part of the process will become the fun part of the job! **E-Fab** is a powerful solution at a great value that increases productivity for any shop!



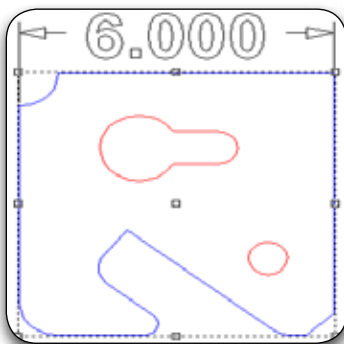
## Core Strengths of EnRoute 4 Fabrication

**CAD Drawing Tools** – The drawing tools are straight forward and easy to use, with a unique blend of precise and freehand drawing capabilities which includes a full suite of editing tools.

**Fast and Efficient Vectorizing** – Convert bitmap images into vectors in seconds! E-Fab's point editing and other clean up tools will enable you to toolpath and prepare an output file in a matter of minutes.

**Kerf Compensation** – With a Plasma or Waterjet machine, E-Fab allows you to easily assign the Kerf width of your cutting device and gives you complete control of your cutting toolpath and parameters. Save your settings and easily recall saved parameters for any cutting situation in a few mouse clicks.

**Advanced True Shape, Quick-Fit, & Multiples Nesting** – Powerful, Fast and Effective. Utilize this suite of nesting tools to increase your yield of high cost materials. Bottom line, these tools will increase your profits.



Each new product includes an E-Fab "The Basics" Training DVD and one Post Processor for your machine.

# nesting



## E-Fab Dialog Box

The **Kerf Compensation** Dialog Box is a single interface that allows you to easily determine what parameters you want to use when cutting and then store the information for easy recall.

**Looped Corners** and a new **Combination Entry/Exit** option have been added to improve cut quality.

**Kerf Compensation**

Strategy Parameters:

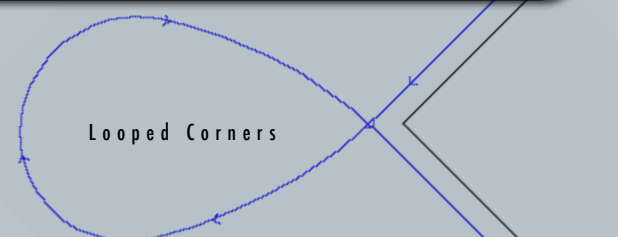
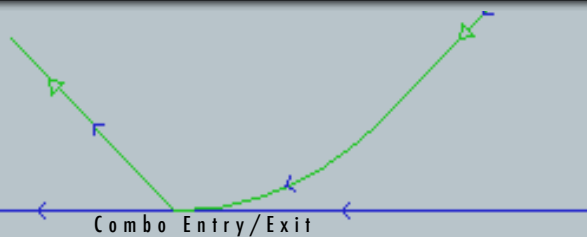
Parameter	Value	Unit
▶ Kerf Width	0.0500	in
External (male)	<input checked="" type="checkbox"/>	
Internal (female)	<input type="checkbox"/>	
Weld offsets	<input checked="" type="checkbox"/>	
Loop corners	<input checked="" type="checkbox"/>	
Sharp corners	<input checked="" type="checkbox"/>	
Direction		
Conventional	<input type="checkbox"/>	
Climb	<input checked="" type="checkbox"/>	
Entry/Exit Parameters		
Entry - None	<input type="checkbox"/>	
Arc	<input type="checkbox"/>	
Line	<input type="checkbox"/>	
Combination	<input checked="" type="checkbox"/>	
Radius	0.1000	in
Angle	10.0000	degrees
Length	0.5000	in
Exit - None	<input type="checkbox"/>	

Strategy Templates:

Buttons: OK, Cancel, Save as

## EnRoute 4 Fabrication Features

- × CAD Drawing Tools (*Shapes, Text, Offsets*)
- × Editing Tools (*Weld, Fillet, Point Edit, Cleanup, Trim/Extend, JigSaw, Cut By Line*)
- × Design Tools (*Snaps, Move, Scale, Rotate, Dimensions, Measure, Layers, MultiCopy, Mirror, Align*)
- × Vectorize (*Convert Bitmap to Cut Contours*)
- × Kerf Compensation
- × Drilling and Tapping
- × Engraving (*for part marking*)
- × Simulation of Kerf Path (*2D Simulation, Ortho View, Can Set Output Order from Any Simulation*)
- × Output to Gcode (*post included with software*)
- × Saved Templates (*Toolpaths, Plate, Kerf Diameter*)
- × Advanced Nesting (*True Shape Nesting, Dynamic Nesting, Copy-Nesting*)
- × Smart Ordering



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# MAKES THINGS EASY

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