



Nested-Based Manufacturing & CAD Design

EnRoute's Nested-Based Manufacturing solutions take Auto Toolpath Processing to the next level! Three clicks and a matter of seconds will produce a clean, efficient nest complete with drill holes, dados and layers ready to output to your CNC machine. Spend more time running your shop and producing finished parts, and less time in front of the computer!

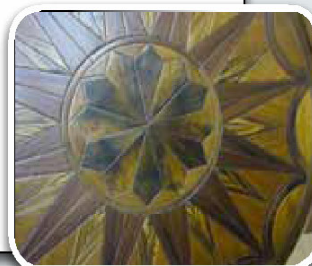


The EnRoute ATP engine has set the NBM industry standard enabling you to connect to almost any layered DXF kitchen design product.

Open architecture gives you the flexibility needed to be more productive and profitable.

EnRoute's CAD design interface makes designing, carving and 3D surfacing easy.

The result is a complete and powerful CAD/CAM/AutoToolPath solution at an excellent value!



Core Strengths of EnRoute's Nested-Based Manufacturing (ATP) & CAD Design

Nested-Based Manufacturing with the Auto Toolpath - Process your layered DXF cut list and convert your batched files to a nested sheet of finished parts. Seamless connection to **3D Kitchen, kitchen and bathroom 3D design & manufacturing software**, and to other kitchen design solutions. The ATP was designed to process and cut DXF files efficiently.

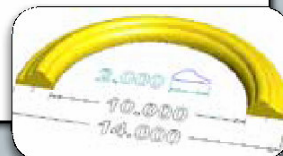
CAD Drawing Tools - Accurate drawing tools are straight forward and easy to use with a unique blend of precise and freehand design capabilities complemented by a full suite of editing tools.



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

Advanced True Shape, Quick-Fit, and 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.

Carving, Engraving, Parametric Texturing, 3D Surfacing - Having a CAD design interface separate from your kitchen design solution creates a new profit center! Add unique designs to doors or create textures for commercial or residential applications.



End User Profiles for Each Level of EnRoute

EnRoute Entry ATP: Quick and Easy! Batch processing for layered DXF files. No CAD design, but you can import 2D files, set strategies and toolpath until your heart's content.

EnRoute Basic ATP: If 2D design and nesting are important to you, this is your solution! Sports a full 2D CAD design interface, vectorization, ATP and all the nesting goodies.

EnRoute Wood: Process files and design carved masterpieces like a champion! Easy and fast NBM from your cabinet design application. 2D and 3D engrave capabilities for custom work.

EnRoute WoodPro: The ultimate design and automation solution combining the powerful 3D surface and texture creation tools in EnRoute Pro with the processing power of the ATP.



MAKES THINGS EASY

www.enroute.co.nz



Nested-Based Manufacturing & CAD Design



EnRoute is a key production component in your shop, complemented by a full CAD design interface!

Nested-Based Workflow and Where EnRoute Fits



N30 7 (3/16" End Mill)
N40 T1 M6
N50 S18000 M3
N60 G0 X613.685 Y779.083
N70 Z23.05
N80 G1 Z0.5 F254

EnRoute
SOFTWARE

N130 G3 X2.381 Y0.318 I2.381
N140 G1 X611.981
N150 G3 X614.363 Y2.699 I0.318

TrueShapeNesting »
Toolpath »
Ordering »
GCode »



*Kitchen Design » DXF Layered Cut List »
Import into EnRoute's ATP »*

» Output nested sheets to your CNC machine

Features	EnRoute Entry Auto Toolpath (ATP)	EnRoute Basic Auto Toolpath (ATP)	EnRoute Wood (ATP)	EnRoute Wood Pro (ATP)
Drawing Tools (Shapes, Text, Offsets)		x	x	x
Editing Tools (Weld, Fillet, Point Edit, Cleanup, Trim/Extend, JigSaw, Cut By Line)		x	x	x
Design Tools (Snaps, Move, Scale, Rotate, Dimension, Measure, Layers, Multi Copy, Mirror, Align)		x	x	x
Toolpathing 2D (Routing Offset, Island/Hatch Fill, Engrave, Drills, Slots, Open Contour Offset)		x	x	x
Toolpathing Options (Inlay, Channel Tag, Bridges, Final Pass)		x	x	x
Toolpathing 2.5D (3D Engrave, 3D Clean Pass for Routing Offset & Hatch/Island Fill, Pyramid Tool)			x	x
Toolpathing 3D (Apply Toolpath to 3D Relief, Carve into Surface)				x
Simulation of Toolpath (2D Simulation, Ortho View, Can Set Output Order from Any Simulation)		x	x	x
3D Rendered Simulation		x	x	x
Output (Hundreds of Machine Drivers Included)	x	x	x	x
Saved Templates (Toolpaths, Plate, Material Library, Tool Library)		x	x	x
3D Relief Creation (Rounded, Beveled, Flat)				x
3D Editing Tools (Revolve, Spin, Extrude, Sweep Two Rails, Chamfer, Apply Mesh, Apply Bitmap, Slices, Align, Combine Reliefs, Merge Reliefs)				x
3D Parametric Texturing				x
3D Relief Editing Tools				x
Automatic Toolpath (Batch Processing Files by Layer Name)	x	x	x	x
Nesting (Dynamic Nesting, Copy-Nesting)		x	x	x
Bridges and Inlays		x	x	x
2D Import Filters	x	x	x	x
Options				
Labeling	Opt	Opt	Opt	Opt
Slant Toolpath		Opt	Opt	

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