

3D ToolPath

Product details

- **In Brief**

The 3D ToolPath module is a step forward for cabinetmakers requiring seamless links from design to production. It includes all of the standard 3D Kitchen features such as...

- **Custom cabinet library build** - we build the cabinet library to suit you and your business. In effect you will have your own unique library
- **Ease of use** - We understand how important it is to have a program that you can get up and running quickly and operate with the minimum of fuss
- **Versatile design ability** – 3D Kitchen enables you to construct both cabinet and room design just as you need to present to your customer and to your factory to provide clear unambiguous designs and production details
- **Support** - The agent that sells 3dkitchen, also performs the installation, provides onsite training, and supports it. You will have the advantage of dealing with one person
- **Training** - We provide onsite training (Australia and New Zealand only). This means that you get dedicated training in your environment. This is included in the cost of the product

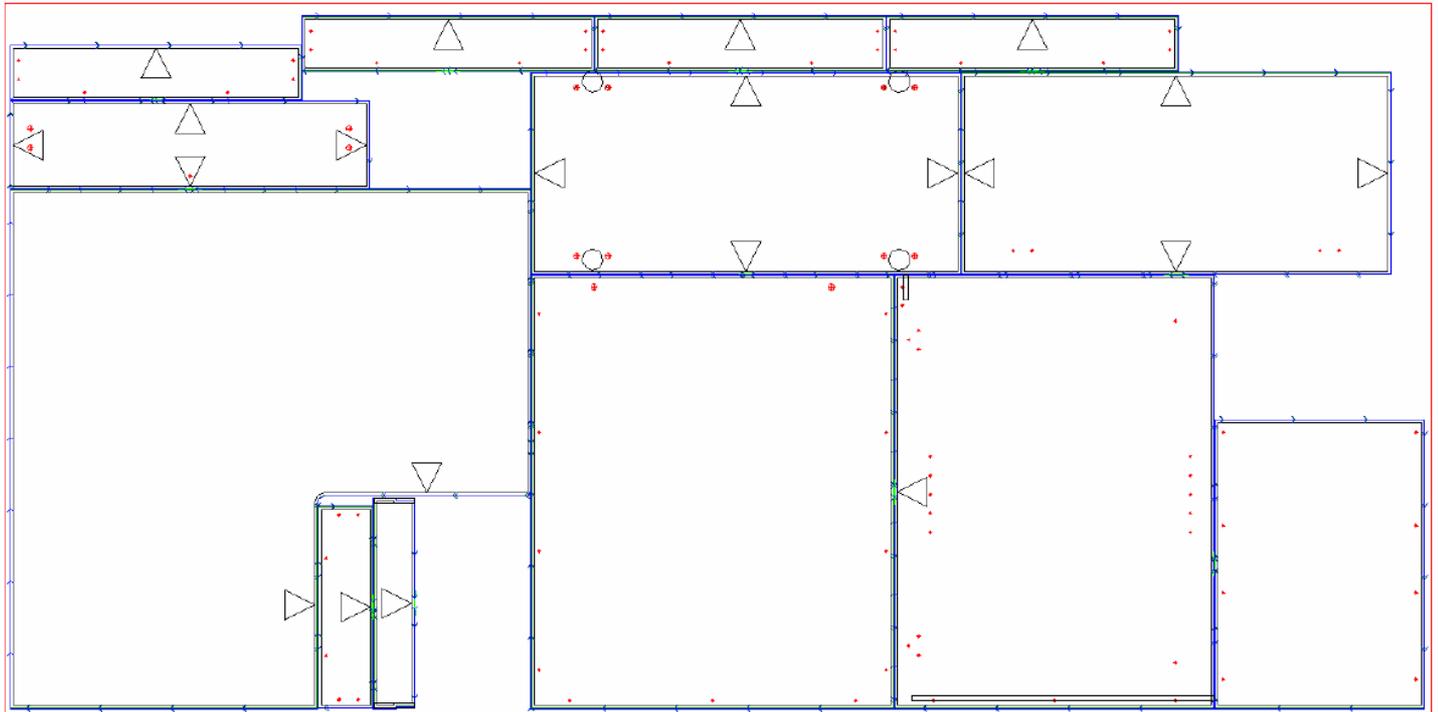


Additionally you can connect directly to your CNC nesting equipment for fast and accurate production of all your design details including cutting, routing and drilling. The specific CNC features provided with 3D ToolPath are...

- **Nesting** – Firstly 3D ToolPath is NOT machine specific. This means you can connect to any CNC nesting machine with our software. The machine choice is up to you. There are 9 main considerations...
 - a. **Cutting parts** - 3D Toolpath provides for “*True Shape*” nesting. This means that you are getting the maximum yield from your stock sheets.
 - i. Shaped parts are interlocked to achieve best material yield
 - ii. Additionally 3D ToolPath creates a “small part” strategy which requires small parts to be cut first giving parts stability on your cutting bed.
 - iii. Parts within parts – you can also use cut-outs from larger parts to cut smaller parts lowering your waste even further
 - iv. Onion skinning – If your CNC machine requires this to generate neat and clean cuts, this is a strategy that makes 2 passes to cut your components.
 - b. **Cutting strategies** – 3D ToolPath produces cutting and drilling sequences automatically to create fast and accurate operations. You can also place all operations in the order you want them to run.
 - c. **Automatic drawer drilling** – change your cabinet heights and the drawer drilling positions alter automatically.
 - d. **Automatic drawer depth** – change your cabinet depths and the drawer base depths adjust automatically to correct drawer specifications.
 - e. **Customizing** –3D ToolPath has a very **simple graphical** user interface which shows you precisely what your output will be cabinet by cabinet and panel by panel. Parts templates are NOT required as all shaping and drilling is produced directly from within 3D Kitchen.
 - f. **RunTime** – before you finally send your job to your CNC machine 3D ToolPath gives you the opportunity to view on screen all cabinet and all panels. Here you can easily and graphically modify ANY operation including such powerful abilities as changing a square panel to any other shape. So you may for example take a square shelf from a square cabinet and convert it to a U shape. This type of process is very useful and takes only a few seconds, showing you the precise results on screen.
 - g. **Batching Jobs** – Pass multiple jobs through 3D ToolPath, combine them together for even greater material efficiency. Even if these jobs contain varying materials, they are automatically separated into material categories. No need to process materials one at a time. All materials are correctly processed in a single operation.
 - h. **Tooling and Processing** – 3D ToolPath lets you assign tool compensation, speeds, feeds, cutting sequences, onion skinning, in fact you have complete control over all machining operations. These details are presented in a very easy to use and understand format.
 - i. **Comprehensive tooling setup screens** – lets you precisely specify your tooling requirements. This detail can be specified for any operation you require, then saved and applied to any subsequent job.



Nesting Example...



- η. **Label Printing** – 3D ToolPath is a true shape nesting solution and generates its labels to match the nesting diagrams. Labels are completely customisable.

Label Example...

Filename:	Harris_BC-2L_SHL_33.dxf	
Dimensions:	900 x 900 x 16.5	
Part Name:	SHELF	
Material:	16mmWHITEstd	

Cabinet # **4**

- **Costs**

All costs include ...

- Complete Integrated Software Package (Inclusive of ONE Licence)
- Premium Cabinet Library Tailored Individually to Your Size Requirements. Over 200 Cabinets Setup During Installation of your Software.
- Cabinet Builder, Allows you to Add Additional New Cabinets to your Library even During the Design Process
- 3d Design (Floor Plans, Accurate Bench top and Kick Plans, 2D Dimensioned Elevations and 3D Views)
- Fully Integrated Costing Reports Including Labour Qty for Your Various Departments, Hardware Qty Requirements, Board Material and Edge Tape Qty Requirements.
- Client Printed Quotations
- Cutting Lists in Multiple Easy to Read Printable Formats.
- Cabinet Numbering System on Cutting Lists & Optimizer Layout Print outs from Floor Plan for Easy Part Identification
- High Quality Optimizer Handling All Requirements Including Wood Grain
- DXF Export of Bench Tops and One Off Shapes
- Produces drilling and routing positions
- Produces accurate shaped parts dimensions
- Output direct to all CNC nesting machines with complete intuitive machining tool paths
- All CNC output can be trapped and manually modified for any reason
- Software Upgradeable as your Business Moves Forward
- 2 to 3 days One on One Personalised Training
- Instruction Manual Written in Cabinet making Terms
- Platinum Membership Support \$1,200 + GST for 12 months including phone, email and remote support covering basic usability and basic functionality, hardware issues, installation and upgrade assistance, software breakdowns, corruptions and repairs.
- This does not include training of new staff. 3D Kitchen does not claim to resolve connectivity issues caused by third party services, service providers, hardware or software, or networking problems. The determination of the nature of your query for these purposes will be made by our technical support consultants
- Special requirements may incur an extra charge, for example: the addition of flat pack to your normal manufacturing or buy in cabinets from a separate manufacturer. Other special things may fall into this category that you specifically do, so please call to discuss. (This is Extremely Rare).

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