PATHFINDER3D

Background

SolidWorks caught the eye of the store fixture manufacturing industry by filling a need for flexible top down design in 3D while retaining the ability to use parametric design for repeat work. One critical drawback to SolidWorks for the store fixture industry is the manual, error-prone process required to take your design from 3D model to a CNC. Pathfinder3D was created to fill this gap and automate the SolidWorks to CNC process. In fact, SolidWorks combined with PathFinder3D has become such a powerful tool that a wide range of other industries such as custom cabinetry, furniture, luxury yachts, motor homes, etc are already putting it to use.

Product Details

PathFinder3D takes an assembly, lays the parts down flat, and then automatically generates tool paths for each part. These tool paths can then be passed on to a CAM system through layered DXF or DWG files. Or if you want an easier solution you can get the PBE (powered by EnRoute) version which will allow you to nest parts and generate G-code for your CNC all within the SolidWorks environment.

- 100% design flexibility. There are no restrictions on how you use SolidWorks to make the original design.
- Advanced feature recognition is used to automatically generate "clean-out bubbles" for dados on the edge of parts, v-cutter paths for angled sides, horizontal bore holes, pockets with islands, slatwall t-cutter paths and much more.
- Custom machining can be done inside SolidWorks and constrained to the 3D model geometry
- Tool path geometry is linked to your original assembly so that any modifications to the assembly can propagate all the way down to g-code with the click of a button.
- Intuitive material assignment and visualization for sheet material including core, face, backing, and grain direction. "What you see is what you get" because this data propagates seamlessly to the cut lists and nesting engine.
- PathFinder3D exports to many CAM packages, such as RouterCIM, EnRoute, CADCode, AlphaCAM, MasterCAM, Thermwood and more.
- Batch processing is easy with the option to nest several assemblies together, export to several machines at once, substitute materials, and much more all without leaving SolidWorks

Additional Information

Contact us for online demos and / or a free 30 day trial.

Additional product information may be found at **www.pathfinder3d.com**

A copy of the software may be downloaded at **www.pathfinder3d.com/downloads**

Contact:
Chris Califf
Pathfinder3D - Sales Manager
sales@pathfinder3d.com
(360) 772-3338