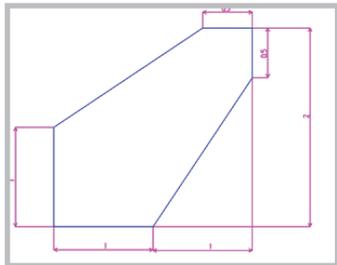


### Powerful 2-5 axis cutting capabilities with a fully integrated CAD system!

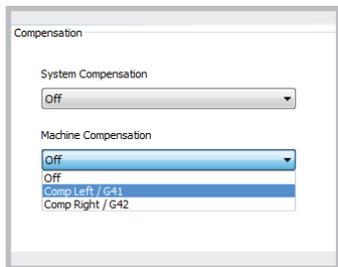
CAD-CAM software for CNC laser, plasma, and waterjet machines delivers the power you need to machine everything from simple 2 axis to complex multiaxis part cutting. It incorporates a full range of sophisticated and fully associative machining strategies through a simple wizard-driven interface to make programming quicker and easier, even for new and occasional users. Dynamic Machining Strategies™ offers a reduction in programming time by allowing you to assign multiple machining strategies to a single feature while advanced simulation functionality lets you test and confirm your work to give you the peace of mind in your CNC programming.

### FEATURES:



#### Shape Library

Quickly create common fabrication parts using one of BobCAD's predefined shapes. Customize dimensions to bring your shape into size. Change its origin, reference location, flip in X or Y, even add a custom rotation value. Shapes are listed in the CAD history tree allowing users to make adjustments.



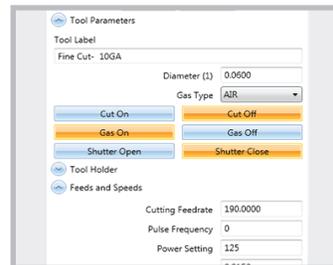
#### Compensation

Define cutter compensation / Kurf comp use one of 3 compensation (Kurf) methods. Offsetting your profiles for the laser, plasma or waterjet to cut to size.



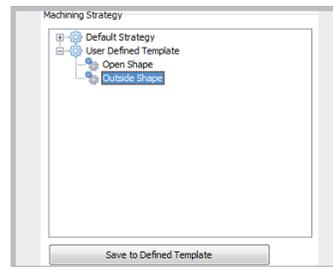
#### Machine Sequence

Control the order your shapes are cut with one of the 6 sort order options. Choose from closest, no sorting, X direction, Y direction, custom direction and optimized.



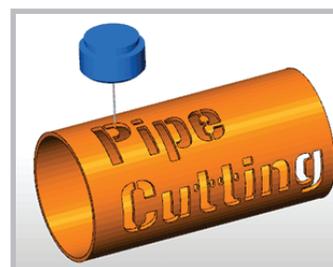
#### Cutting Conditions

Speeds, feeds, power settings, torch height and more can be saved to tools in the tool library. Allowing users to quick load cutting data for different gages of material.



#### 2 Axis

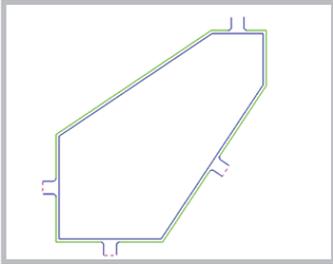
Fully customize and save your profile operations as a user defined template. Making it faster to program open, closed, inside and outside shapes.



#### 4 Axis

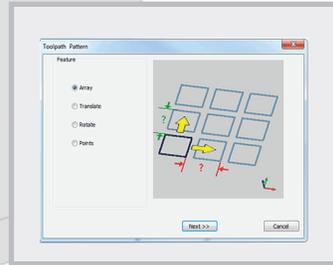
Use BobCAD's wrapping groups to program 4 axis shape cutting machines. Great for holes, slots, text, coping, notches and more.

## FEATURES CONT:



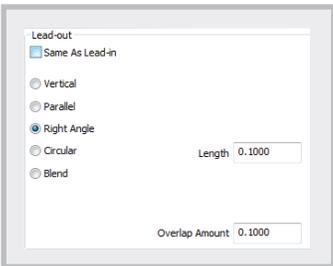
### Tabs

Keep parts connected to stock with tabs. Defined by number of tabs, length between or pick your own locations. Customizable tab width, lead length and radius.



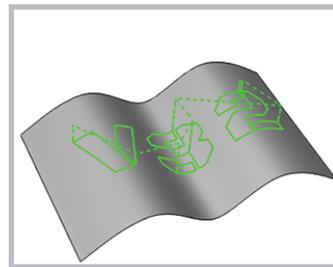
### Toolpath Patterns

Create copies of machining features for same part instances. Choose from array, translate, rotate and point locations.



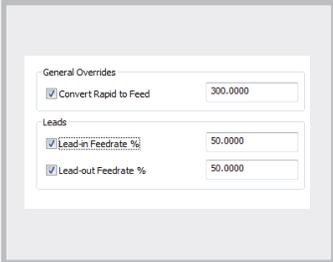
### Lead In/Out

Multiple lead In/Out options to control how you enter and exit cuts. Choose from vertical, parallel, right angle, circular and blend. Optional overlap setting adjust lead out move past your entry position.



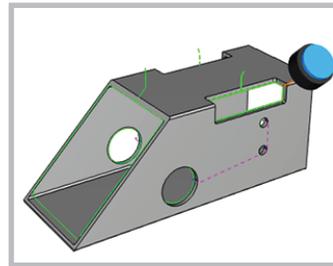
### 3 Axis

Drive toolpath along curves surfaces using BobCAD's 3 Axis wire frame toolpath feature. Allowing users to cut shapes and patterns into corrugated and other curved stock shapes.



### Advanced Feederates

Remove dog leg rapids with BobCAD's general overrides, reduce your feed rate on approach and exit and slow down your feedrate when cutting arcs. All defined in the toolpath wizard and are easy to change.



### 5 Axis

Using BobCAD's index systems users can automatically calculate rotations for 5-sided machining. Special multiaxis cutting patterns are used to drive cutting around corners and along compound curves and shapes.