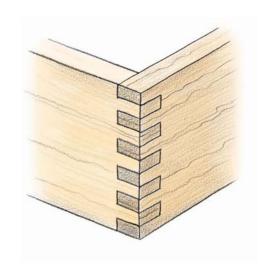
Box Joint Gadget Ver. 1.1

Jim Anderson Houston Texas March 2015



The Disclaimer

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The Create Box joint Vectors and Tool paths gadget was formed by Jim Anderson of Houston, Texas. (Mar 2015)

The Create Box joint Vectors and Tool paths gadget program is very heavily based on code from Vectric's core software SDK, Brian Moran code and many other great software developers.

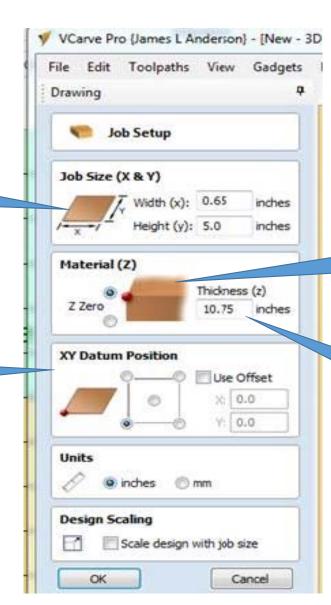
Some program details

- The material is held in a vertical position on the mill
- The material Z must be set to top of material
- The Z value is normally the length of material
- The XY Datum position, must be in any corner, but not in the center of material
- The milling action is performed on the end of the boards
- The user can adjust the number of fingers/gaps by changing the Total No. Fingers
- No special Bit required (end mill)
- The program creates both the right and left hand tool paths
- The program has error trapping, to include bit diameter compared to finger gap and many more



Set the Material to represent the part to be milled in the vertical position

Always select a corner of the Material for XY Datum Position



Material (Z) to set to Top

Material Thickness is the length of part

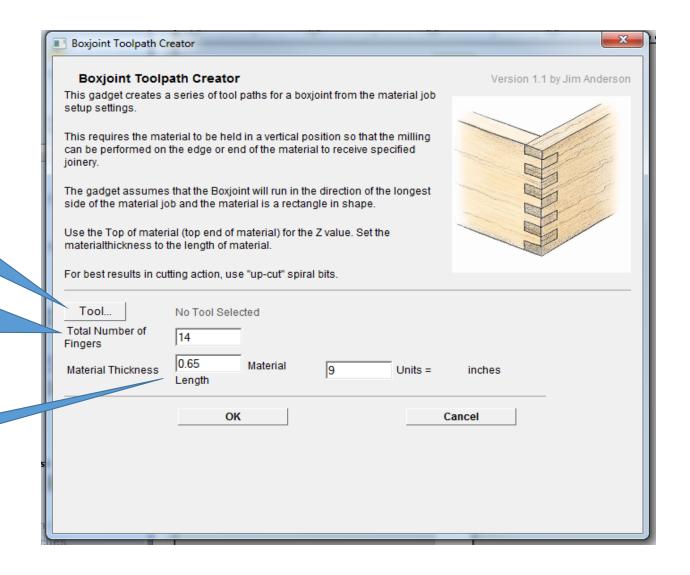
User dialogue

Select Tool to open dialog box to select cutting tool

Adjust the number of total joints per corner. Even number will put the same count on both parts.

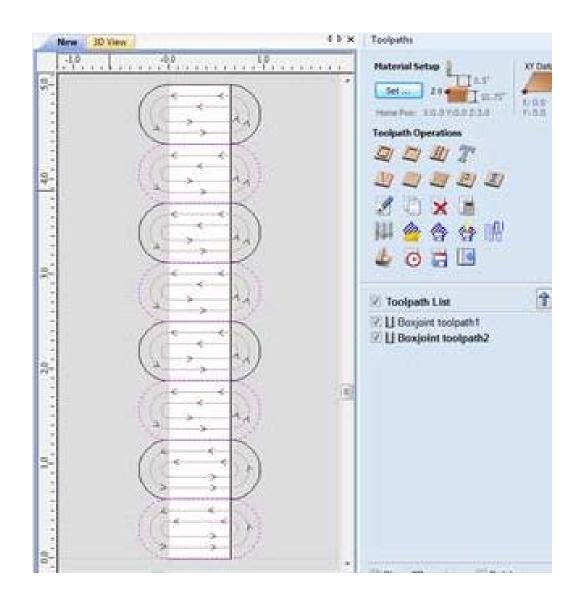
Odd number will put stager count per part

Read only values. To change Material size use Job Setup



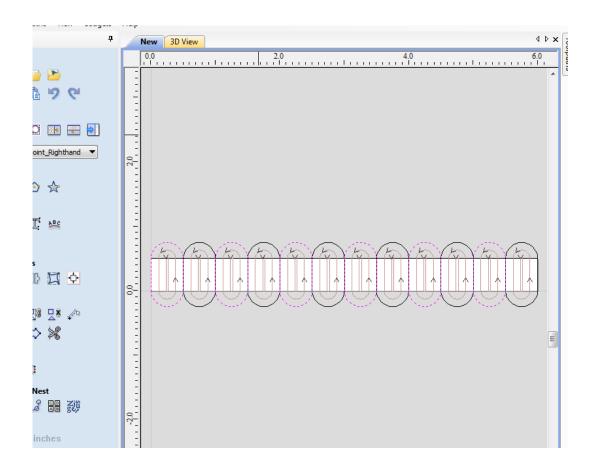
Closed vectors and Tool paths

The Gadget will build vectors and tool paths any orientation. In the "Y" axis Vertically



Closed vectors and Tool paths

The Gadget will build vectors and tool paths any orientation. In the "X" axis Horizontally



Tool path rendering

Recommend separating the tool paths into two (2) individual G-Code output files.

