

# EBF CNC

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## Learning CNC Resources

For introductory and general guidance for CNC: [Learning CNC Resources](#)

## Red Tool Training Class Slides



Makersmiths - EBF...s Slides V2.3.pdf

## Checklist

### Long



EBF Checklist - Long Version.pdf

Short



EBF Checklist - Short Version.pdf

GCode explained



EBF Instructions.pdf

Instructions

Surfacing



Surfacer Instructions.pdf

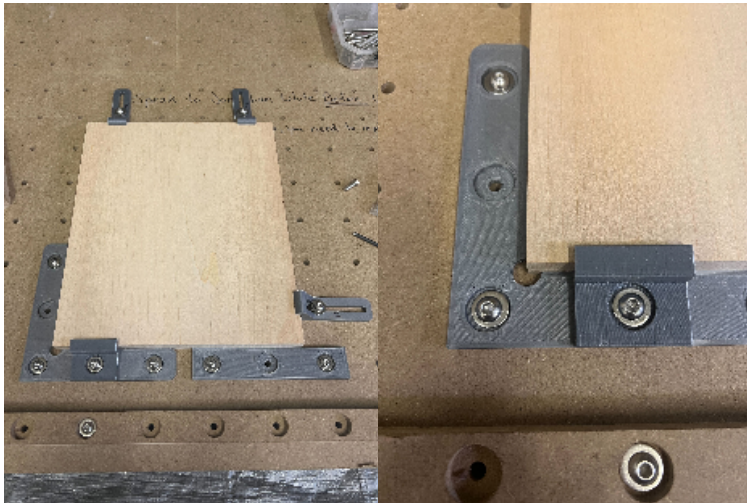
## Milling Rigid Foam

Thanks to [Jonathan White](#) :

Think of the sheets of pink/green insulation foam you can buy at the blue or orange hardware store, I did a small project on the EBF yesterday. After angsting about it for awhile, I gave it a shot and 10,000RPM, 150IPM, cutting the full 3/4 deep cut in one pass with an upcut 1/4 endmill, conventional milling, worked perfectly - crisp edges, no burning. The stepover was only 40% which could have been increased to reduce cut time. The only issue was that the bristles on the EBF dust hood scratched the top surface a bit, but this was a functional project so no big deal. That could be avoided by raising the dust hood a little bit.



## Clamping System



Video of the clamping system: [https://drive.google.com/file/d/1OujpLwkB9RfiwdSSosVxea8PkIbwL0b/view?usp=drive\\_link](https://drive.google.com/file/d/1OujpLwkB9RfiwdSSosVxea8PkIbwL0b/view?usp=drive_link)

Clamping System on Thingiverse: <https://www.thingiverse.com/thing:6048725>

## Troubleshooting

### PDF



EBF Troubleshooti...ructions V2.3.pdf

### Removing a "Stuck Tool"

[https://drive.google.com/file/d/15TGpql7k18v7Pyn-Bp5Rz\\_cEk6rU7u-w/view?usp=sharing](https://drive.google.com/file/d/15TGpql7k18v7Pyn-Bp5Rz_cEk6rU7u-w/view?usp=sharing)

### Air Compressor Timer

The instructions for checking that the timer attached to the air compressor is set correctly are in the instruction sheets. Below is a short video on checking the timer:

[https://drive.google.com/file/d/149MomTHKG85XCgpbQfVBixU0eYvqNv2a/view?usp=drive\\_link](https://drive.google.com/file/d/149MomTHKG85XCgpbQfVBixU0eYvqNv2a/view?usp=drive_link)

### EBF 'Con-treu-leur' (wiring diagram)