

## MasterPrint3D & Print Head Quick Start For DeskCNC

The Quick Start guide is a walk through of the basic functionality required to create a 3D printed object in as little time as possible after MasterPrint3D and the Print Head have been installed. Complete instructions, safety and warning information can be found in the User Manual. MAKE SURE THE SPINDLE FOR THE MACHINE IS TURNED OFF DURING THE ENTIRE PRINT PROCESS INCLUDING ANYTIME THE PRINT HEAD IS ATTACHED.

## Power ON

- Power on the machine and the Print Head Controller to allow the Print Head to heat up to 225°C • (437°F), approximately 10 minutes
- Run the MasterPrint3D.exe software and DeskCNC.exe or other motion control software

Prepping the Surface

- Clean the print surface with alcohol and a clean paper towel
- Apply single layer of painter's tape to the print surface and lightly wipe applied tape with alcohol



Model View	w Run	Setup	Extras 1	
Add 3D Model		Clea	Clear Platform	
-3D Model:	ballsnott	ouching2.S	TL	
Triangle	s: 5310	2	Fix	
Size (In)		N ->	N -> MM (*25.4	
X: 1.543		4M ->	MM -> IN (/25.4)	
Y: 1.543		X10	X0.1	
Z: 1.543		Sca	le 1.000	
Position Alignment Corner   Center			Center	
Position	0.000	0.000	0.000	
Rotate	0.000	0.000	0.000	
Head	A	© B	© C	
PRINT [155 Layers] Cancel				
Ready				



- In MasterPrint3D, select the Model tab and click Add 3D Model
- Select the 3D model you would like to use and select Open
- The Model tab allows you to change the position and scale • of the object to fit on your print surface
- When the model is in the correct position and scale for your machine click the Print button and save the new .DNC file to the location that your motion control software loads files from

DeskCNC and machine Setup

- After machine is powered on and DeskCNC.exe has opened, Home the machine by clicking the Home button
- Setup your Work Coordinate Offsets as you would normally do for machining a part. Also, set your TLO so that the Print Head's nozzle is just touching the print surface
- Next add the .DNC file that was saved in MasterPrint3D by clicking File, Open NC. Select the file and click Open
- Before beginning the print, set the jog speed to Slow. ٠ Slow jog feed should be 5 IPM. Click and hold CW (clockwise) to feed filament through the Print Head then clean off excess filament



