



Full Gantry Assembly:  
This is the assembly of the previous three sub-assemblies. The image does not show the belt anchors in place. These are best added after the machine is otherwise completely assembled since they have sharp corners and are harder than the Makerslide.

Note: The Makerslide must be tapped before assembly. Please see the wiki, or the instructions which came w/ your tapping tool.

- Instructions:
- Clean ends of extrusion of any debris.
  - Snug bolts on Gantry - Y Idle Mount Plate.
  - Slide X/Z Assembly onto Makerslide Extrusion
  - Snug Bolts on Gantry - Y Motor Mount Plate
  - Work your way from each side in a X pattern.
  - Align top of extrusion with top of plate.
  - Keep square

Note: Ensure eccentric wheels on SM-XZA1 are set to their widest position before attempting to slide onto Makerslide.

ITEM	QTY	PART NUMBER	TITLE
1	1	MKS01-02	Makerslide Extrusion - 375mm
2	1	SM_YA02	Y Axis Idle Mount Assembly
3	1	SM_YA01	Y Axis Motor Mount Assembly
4	4	SM-H07	M5 x 10mm SHCS
5	4	SM-H03	M5 Flat Washer
6	1	SM-XZA1	X/Z Carriage Assembly



**OPEN HARDWARE**  
Attribution-ShareAlike 3.0  
Unported  
(CC BY-SA 3.0)

**TOLERANCES**  
(EXCEPT AS NOTED)  
BETWEEN  
FINISHED SURFACES  
  
FRACTIONAL: ± 1/64"  
DECIMAL: ± .010"  
  
DETAIL DIMENSIONS: ± 1/16"

DESIGNED BY:  
ERF

DETAILED BY:  
ERF

DATE:  
6/5/2012

**TITLE**  
  
Shapeoko Gantry Assembly  
Shapeoko Gantry Assembly

SIZE B	DRAWING NUMBER SM-GA01
SCALE	
SHEET 1 OF 1	