

1. My version of an articulated hollowing rig

As much as I wanted to purchase a Monster Articulated rig, I just couldn't swing it right now financially. So... I made my own. I took elements from multiple versions, steel snake, Monster, Hollow Fast, other DIY versions, etc. I do not intend to take any credit for any innovation or any new ideas - this is just how I did mine.

Due to the number of pics, I'll upload in subsequent threads added views.

First - the nitty gritty:

Base Plate - .375" 8"x8" steel plate

Base Tube - 1.5" sq tube steel

Arms - 1.25" sq Al bar stock (7.5" main, and 4.5" end)

Arms - 1.25" x .25" Al bar stock (7.5" - 2x)

hardware - 1/2" bolts (overkill but that is what I do)

boring bar - 3/4" steel about 10" after cutting holders

cutter holders - slices off the boring bar (only bought one 12" section)

thrust bearings - McMaster Carr :

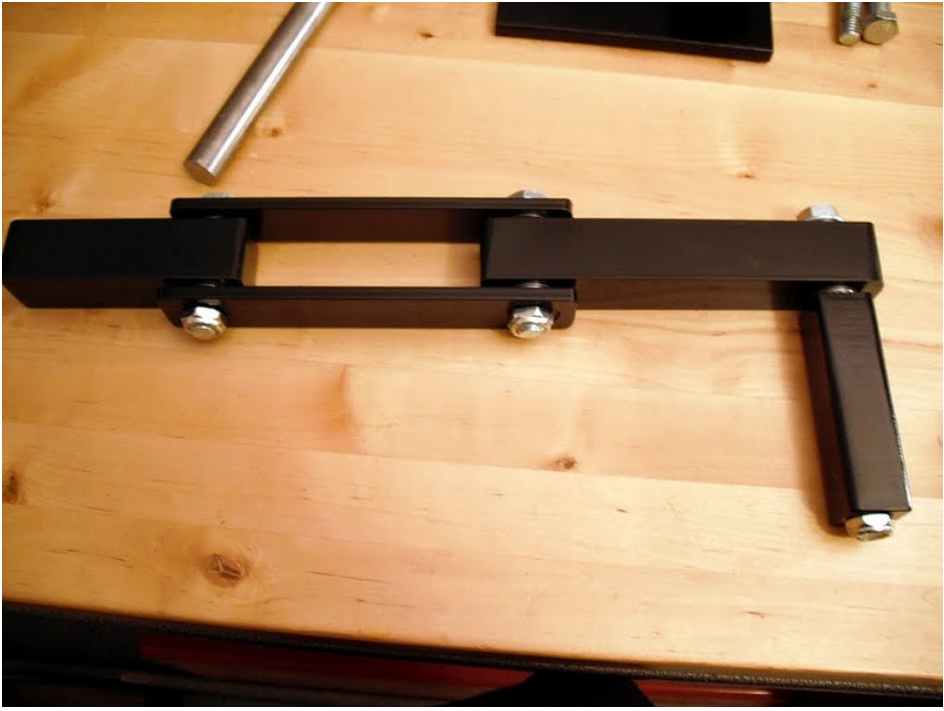
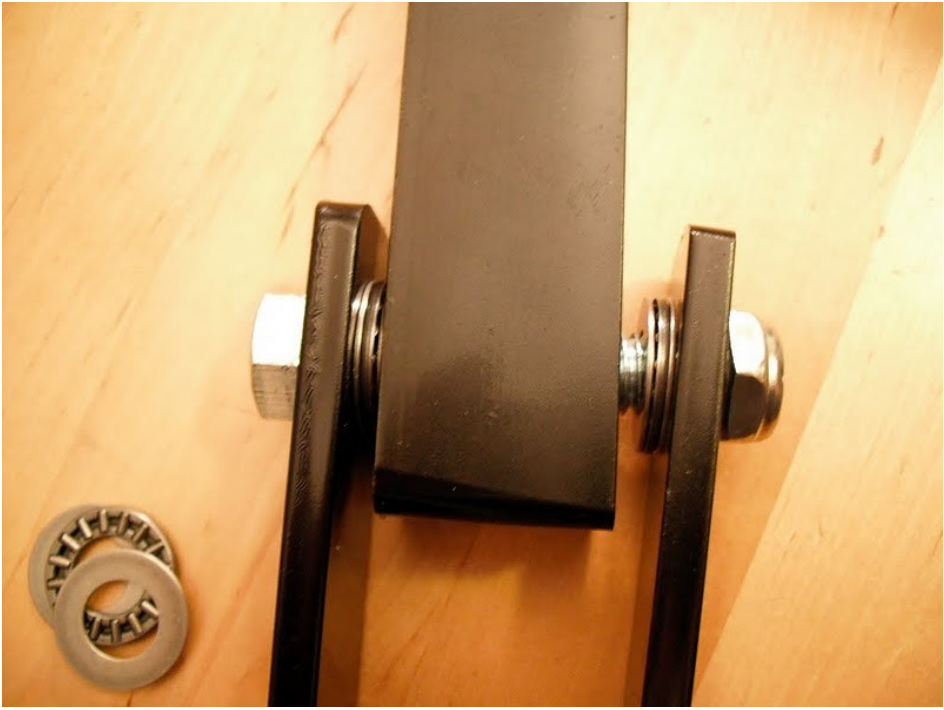
6 Each [5909K31](#) Cage Assembly for 1/2" Shaft Diameter, 15/16" OD Steel Thrust Needle-Roller Bearing

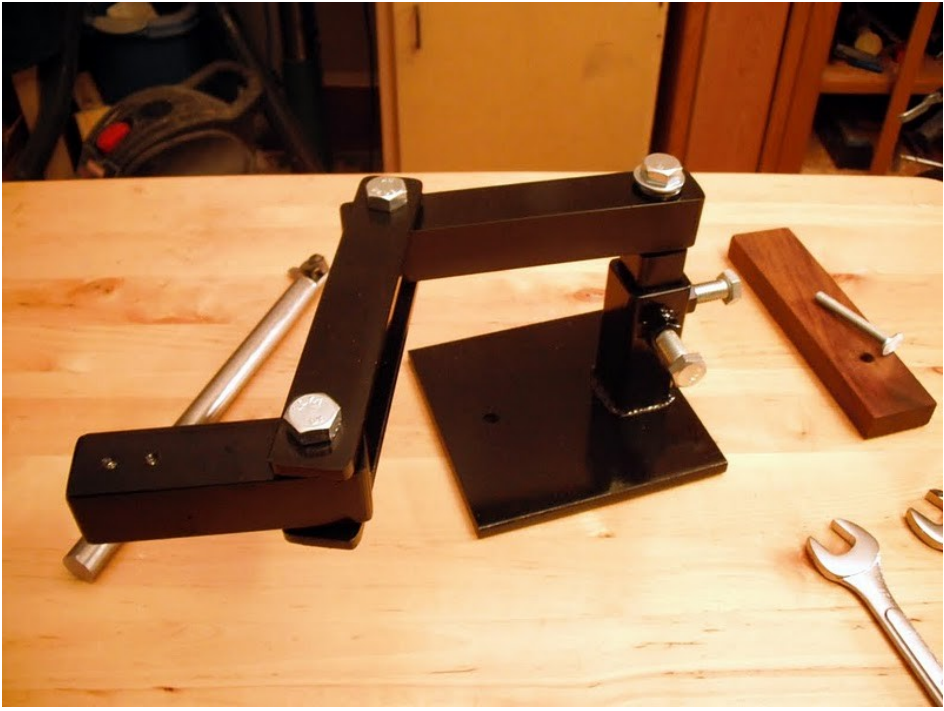
12 Each [5909K44](#) .032" Thick Washer for 1/2" Shaft Diameter Steel Thrust Needle-Roller Bearing

tool bits - Harbor Freight pack for \$5

I figure about \$60-70 total investment. I owe a buddy lunch for doing the welding so that is another 10 spot that I should probably add to my list.

Regarding the laser setup - I ordered the laser and battery box from DigiKey for about \$15 and bought more material from the metal supply place for \$3.25 to finish it up. I should have that done up in the next week or so and will post those pics later.

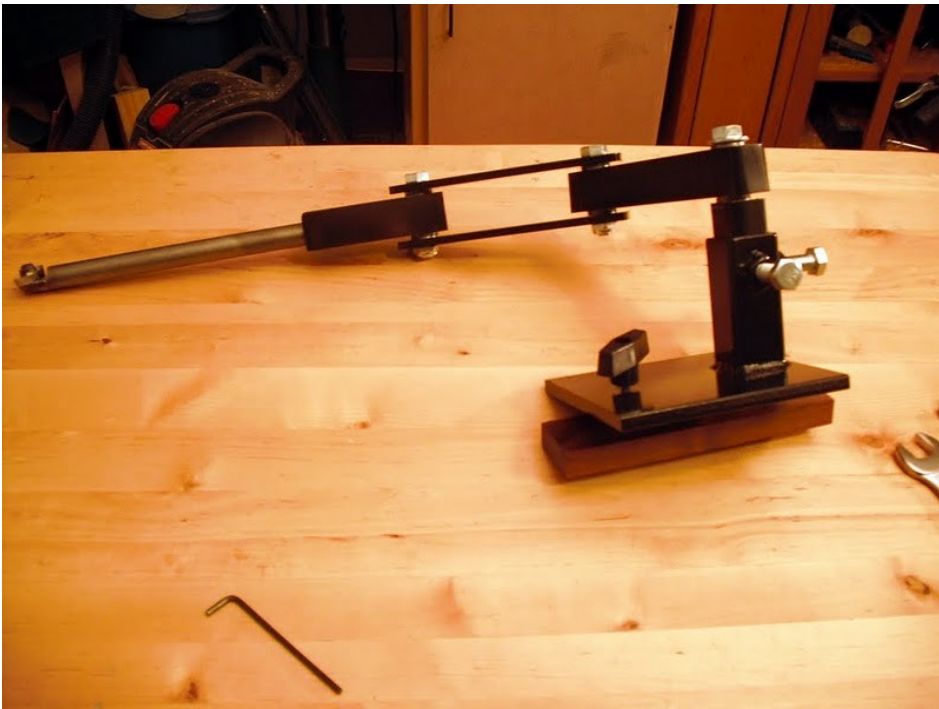


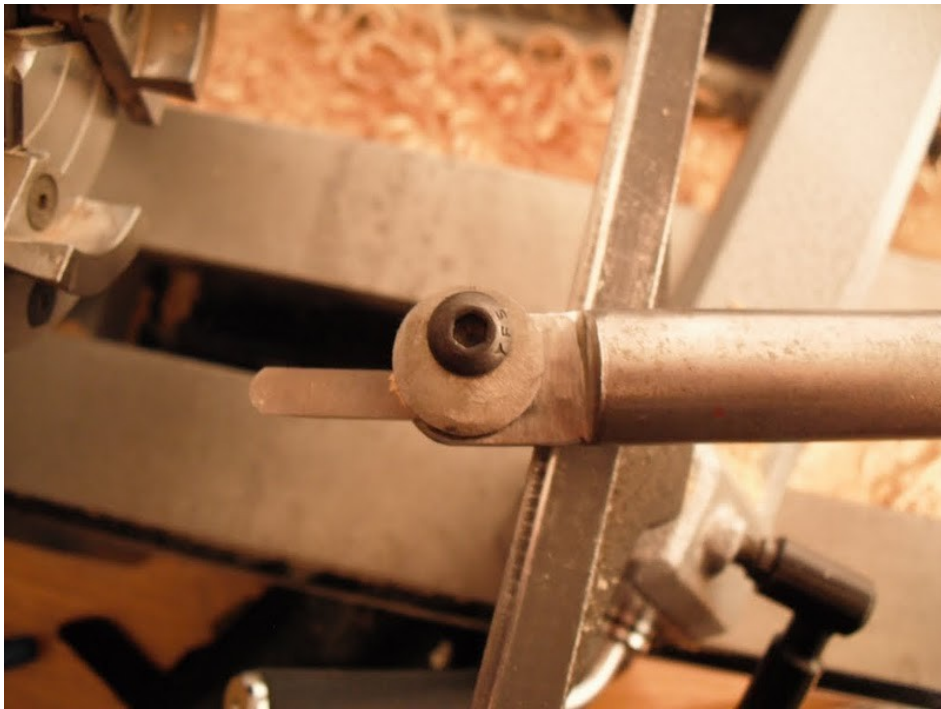


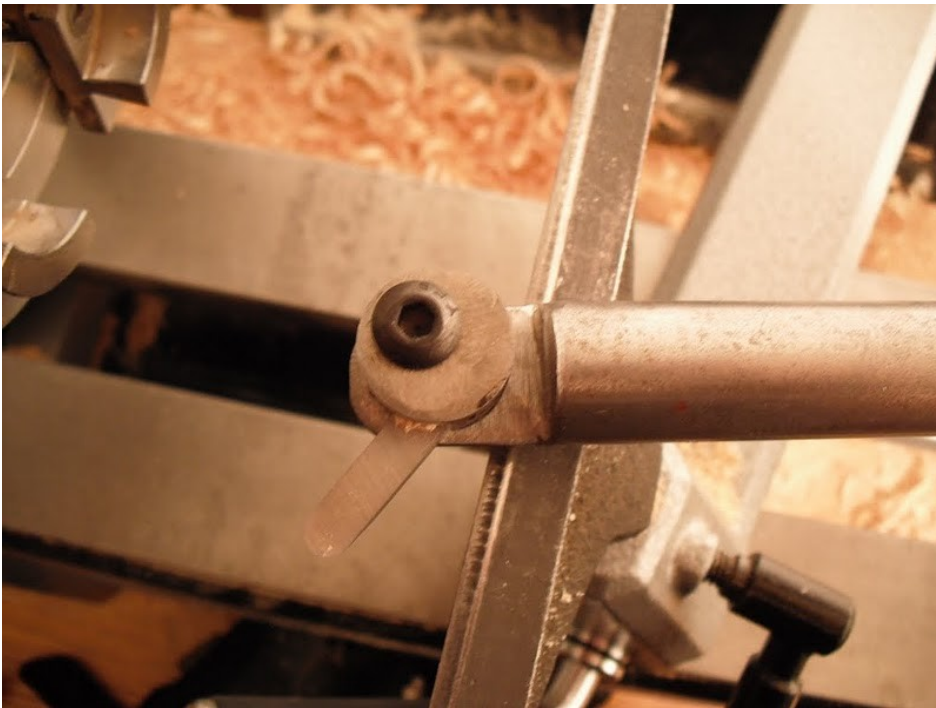


I did the tool holder a slight bit different than I have seen before - here I offset the screw so that I could mount a 1/4" bit in a straight orientation and also rotated.

Last thing was the walnut piece to lock the base to the lathe... I used some extra t-track hardware I had from one of those Rockler packages (bolt and handle). I splurged for a t-nut that is pounded into the bottom of the walnut (could have done this less ghetto but I am cheap and used what I had).







1. Here are the part numbers that I orderd (based on someone else's post here on SMC that I cannot recall)

VLM-650-03- LPT-ND VLM-650-03-LPT LASER MODULE 650NM SBH-321ASND

SBH-321AS HOLDER BATT W/COVR 2AA ON/OFF SW