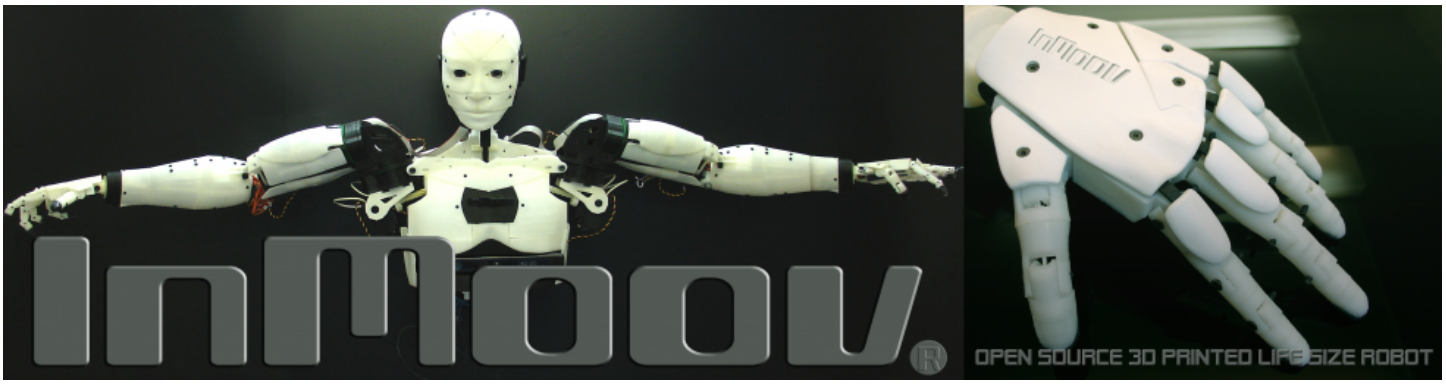
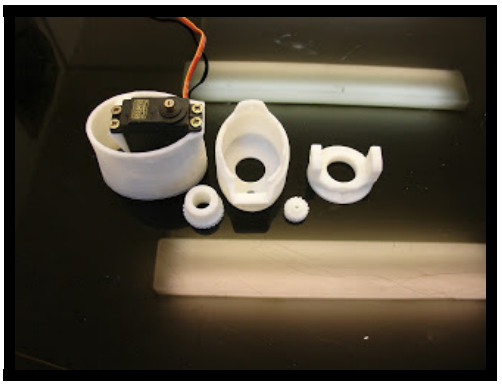
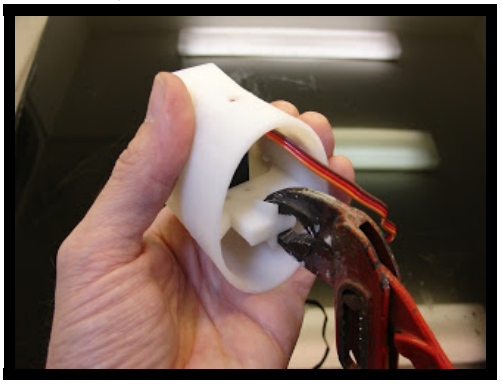


Rotational Wrist

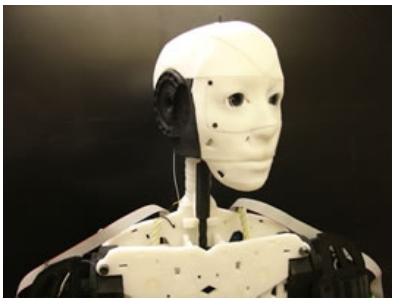
Building of the rotational wrist part.



After printing you should have five parts.



Remove with pliers the support. Fix in the bracket the servo MG995. Use the Arduino to set it to 0 degree.



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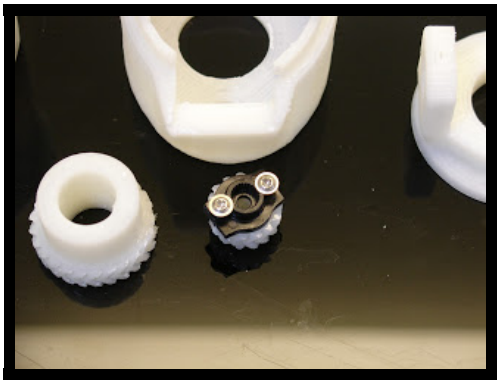
Dwayne Williams uploaded a new picture: opencv_fd_1.jpg
17 hours, 56 minutes ago

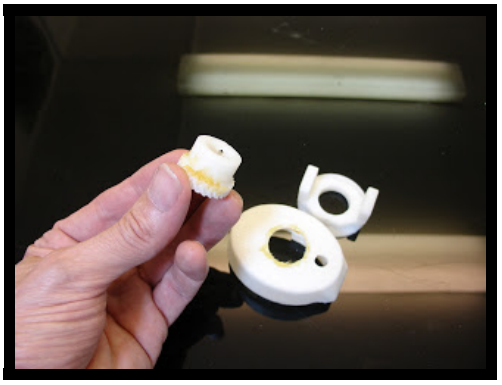
Rob is standing proud as a test bot for Grog.
He is very pleased to be a part of enhancing the Inmoov Nation.

Fred uploaded a new picture: Possible spring for...
1 day, 16 hours ago

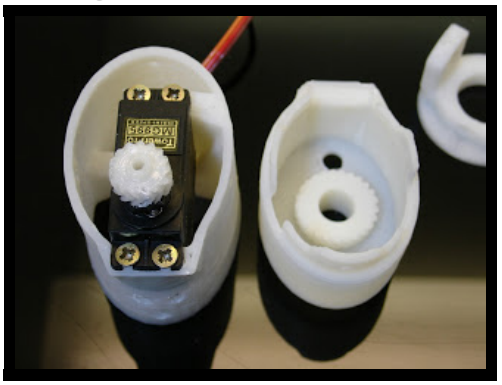
Maybe a possible spring for tendons ?

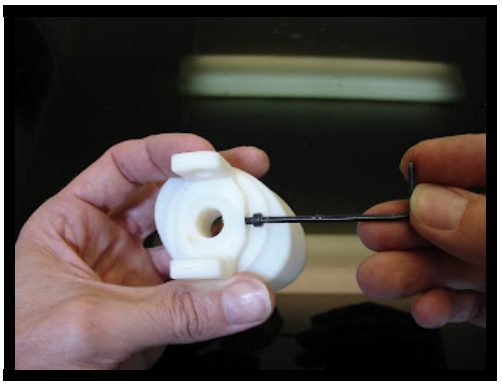


Use on[illegible]are actuator from your servo. Cut it and fix it to the small gear as shown. It shouldn[illegible]ed.

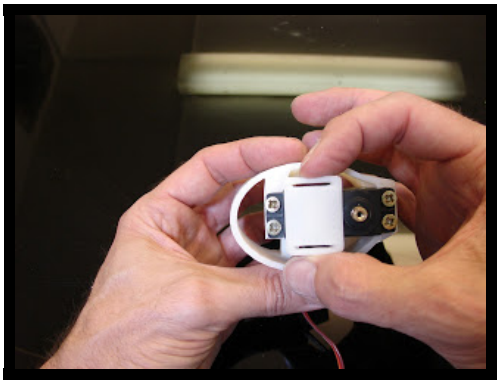


Grease the big gear before setting in “rotawrist2”.





Drill and tight fit the gear to “rotawrist3” through “rotawrist2”.



Use hot glue gun to position and fix “cableholderwrist1” to the top of the servo. This will help to

Jack Phillips posted an update 2 days, 11 hours ago

Head Connect to Torso. Using EZ Robot for programing interface for now. Printing arms and hands next. Not sure how to post video so here is the link. https://www.youtube.com/watch?v=czMIEDz98804&feature=c4-overview&list=UUNwIfeOZc-u4UbOx3bcqJHQ

Gael Langevin posted an update 2 days, 16 hours ago

To Fred and others:

https://groups.google.com/group/inmoov/attach/151d3d256a4108f0/spring%20tensioner1.jpg?part=4&authuser=0

This is how I see a spring added to the retraction tendon. In this set up we avoid forcing on the servo either way of rotation and it also avoid losing tension in the tendons.

Fred uploaded a new picture: 69.jpg 3 days, 17 hours ago

Fred uploaded a new picture: 71.jpg 3 days, 17 hours ago

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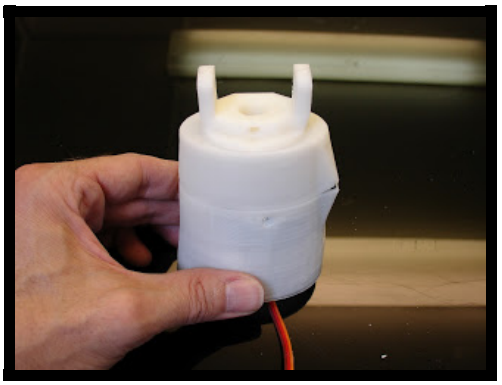
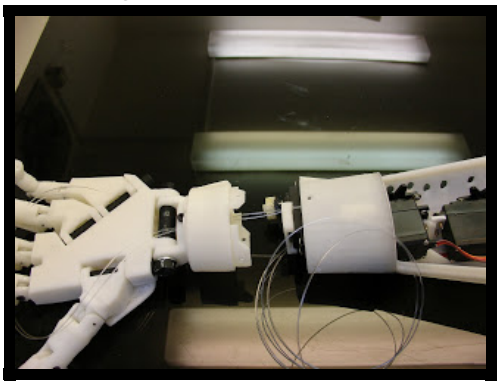
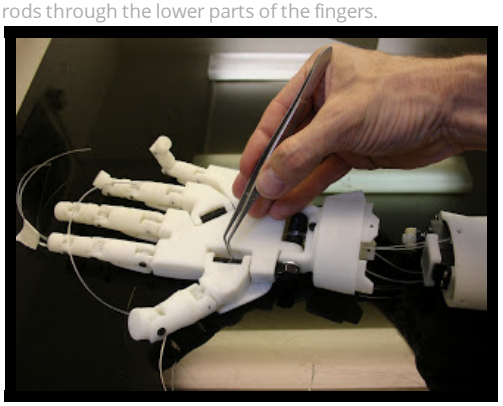
guide the rods into the center hole.



Close the whole thing and tight the 3 screws on perimeter. Make a test run with your Aduino. This is the position you should have when your servo is at 180° for the left hand



Now it's time to glue "rotawrist1" to "robpart2V2". Once glued detach "rotawrist1" from "rotawrist2". Start running the rods from your servos up to each finger. (Use the Arduino to set your servos at 0 Degrees) Don't twist the rods and make sure the upper rods run through the upper parts of the fingers, run the lower rods through the lower parts of the fingers.



This is where you are going to test your patience and skills. I use twisers for to do the job.

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New wiring design for the hand

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