Syringe Pump Assembly Instructions

1. Screw the stepper motor into Syringe Pump Part 1 with M3 screws.

2. Attach the shaft coupler to the stepper motor shaft.
3. Saw off a 12-inch piece from the 1m M8 lead screw. Connect the 12-inch lead screw to the shaft coupler.

4. Place the linear bearing into the lower hole of Syringe Pump Part 2. Place an M8 hex nut into the upper hole of Syringe Pump Part 2.
5. Put the lead screw through the hex nut on Syringe Pump Part 2 and move Syringe Pump Part 2 near the stepper motor.

6. Screw Syringe Pump 1 using the 80/20 T-nut/bolt into the end of the 1” x 2” x 12” T-slotted rail

8. Insert the linear shaft through the lower hole in Syringe Pump Parts 4 and 3, and then through the linear bearing in Syringe Pump Part 2.
9. Place a syringe (10ml to 30ml) with the tip resting on Syringe Pump Part 4, the syringe base in Syringe Pump Part 3, and the syringe plunger base in Syringe Pump Part 2. Adjust the relative locations of Syringe Pump Parts 3 and 4 so the syringe fits and then screw the 80/20 T-nut/bolt into place.