

Steve Lammers

From: Jim Velasquez <jim.velasquez@tinkermill.org>
Sent: Friday, December 04, 2015 9:06 AM
To: Lammers, Steven
Cc: Harn, Casey; Rich Ackley; Wagner, Jennifer
Subject: Re: Bioprinter

Here are more material sourcing notes from my build log of Rich's printer:

Again, all are qty needed per printer

ACME Nuts QTY 2ea. <http://www.mcmaster.com/#95155a111/=zjxac0>

Leadscrews qty 1 ea. <https://www.mscdirect.com/product/details/04354635>

8mm rod (5/16" drill rod) qty 2 ea <https://www.fastenal.com/products/details/47768>

Amazon.com parts (prime only, fast delivery)

Power supply:

http://www.amazon.com/gp/product/B00KXV4WH8?psc=1&redirect=true&ref=oh_aui_detailpage_o00_s02

GT2 timing belt and pulleys

http://www.amazon.com/gp/product/B00THZJNTI?refRID=32517S1TZQSCBGJ8AKWA&ref=pd_bia_nav_t_1

Linear Bearing:

http://www.amazon.com/gp/product/B00IK4NLCC?psc=1&redirect=true&ref=oh_aui_detailpage_o02_s00

Arduino mega2560

http://www.amazon.com/SunFounder-ATmega2560-16AU-Board-compatible-Arduino/dp/B00D9NA4CY/ref=sr_1_5?ie=UTF8&qid=1449243226&sr=8-5&keywords=arduino+2560&refinements=p_85%3A2470955011

RAMPS electronics daughterboard

http://www.amazon.com/gp/product/B00MQH49ZC?psc=1&redirect=true&ref=oh_aui_detailpage_o00_s00

Stepstick A4988 stepper driver set

http://www.amazon.com/gp/product/B00MQR93QC?psc=1&redirect=true&ref=oh_aui_detailpage_o01_s00

Stepper motor set for Mendel

http://www.amazon.com/gp/product/B00QEXSCE8?psc=1&redirect=true&ref=oh_aui_detailpage_o03_s00

Heated bed [do you really need a heated bed?]

http://www.amazon.com/gp/product/B00EZKEGG0?psc=1&redirect=true&ref=oh_aui_detailpage_o00_s02

http://www.amazon.com/gp/product/B00GD471PO?psc=1&redirect=true&ref=od_aui_detailpages02

NOTE: The following are not prime eligible, will need expedited shipping for fast delivery

End stop kit

http://www.amazon.com/gp/product/B014Y0VGOU?psc=1&redirect=true&ref=oh_aui_detailpage_o04_s05

Mendel / Reprap basic wiring kit for RAMPS

http://www.amazon.com/gp/product/B00SCJNP7G?psc=1&redirect=true&ref=oh_aui_detailpage_o08_s00