

- Replace Z leadscrews with flexible couplings and M6 A4 Stainless Threaded Rod + Brass Nuts

<s>Insulate under bed, ~6 layers of cardboard</s>

<s>Turn heated bed upside down</s>

<s>Remove Heated Bed relay</s>

<s>Replace X ends with better design with onboard motor mount</s>

- Replace Carriage

<s>Replace Y motor mount with better supported mount</s>

- Add new base for electronics etc mount
- Replace Mainboard with RAMPS
- Replace screen with RRD Smart Controller
- Replace 608zz bearings on X and Y with MR148-ZZ

Parts Needed

<s>strikethrough</s> = bought, **bold** = arrived

- M6 A4 Threaded Rod
- <s>**M6 Brass Nuts**</s>
- <s>**RAMPS Board**</s>
- <s>**Arduino Mega**</s>
- <s>**RRD Smart Controller**</s>

<s>A3 Piece of dibond</s>

<s>10x MR148-ZZ</s>

Printed Parts

Clear

- 2x <s>Printed Nut Coupling</s>
- 1x <s>Y motor mount [1](#)</s>

Black

- 2x <s>tbsliver-x-ends</s>
- 2x <s>bases for x ends</s>

White

- 1x [BQF Top 2](#)
- 1x [BQF Bottom 3](#)
- 1x [RRD SmartController Back Case 4](#)
- 1x [RRD SmartController Front Case 97.4 or 98.4](#)

Red

- 4x [Mendel90 Z Motor Couplings 5](#)
- 1x [RRD Case Kill Button 6](#)
- 1x [RRD Case Controller Knob 7](#)

Category: [Mendel Max](#)

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