

**Title** Trident\_1-9\_complementary\_3dPartsBuild\_doco (proposed future file)  
**File name** Voron\_1.9\_3dprinting\_guide.pdf (1.9 – really? You put . in a file?)  
**Date** 2021-12-15 AM (Unofficial version number)  
**Copy-rite** None. Free domain. Be free. Fly my pretties. FLY!  
**Warranty** None. Use at own risk. For entertainment purposes only.  
**Author(s)** Stephen George (Original idea and creation)  
Claudermilk (Major proof read and error checking)

### **Introduction**

Use this guide to print the parts as you need them, possibly the night before.

### **Latest version?**

I tend to rush the first draft out and let everyone complain. To get the latest version of this document please goto (\*1) and check the date.

(\*1) [https://github.com/LesserSpottedAustralianSquirrel/voron\\_trident\\_pics/blob/main/Voron\\_1.9\\_trident\\_3dprinting\\_guide.pdf](https://github.com/LesserSpottedAustralianSquirrel/voron_trident_pics/blob/main/Voron_1.9_trident_3dprinting_guide.pdf)

### **Print parameters** (More details on page 4 of official Trident manual)

Material ABS, Infill gyroid, Infill 40% Layer\_height 0.2mm, Wall\_count 4, Top/bottom layers 5, Nossle/Nozzle 0.4mm

NB: Many of the Voron parts “mate” together. Therefore the top needs to be quite smooth. I found that a light sand papering helped allow these parts to mate. Another idea was to enable “ironing” in your slicer. However this adds to the print time and has not been tested by me.

NB: I used a Prusa mini to print the parts in ABS. I had to use a brim to prevent warping. While this came off easily I had to use a plumbers deburring tool (from the hardware shop) and sometimes a craft knife to remove the elephants foot like effect.

### **The Rules**

The first time a picture of the part is shown in the official instructions it should be added to the list below, along with the page number. After that it's ignored as you should have already printed it.

### **The Machine the parts are for**

Building Formbot kit, 250 x 250, Direct feed, Dragon High Flow, 3 hole cable chain.

### **Keeping track**

The Printed ☐ tick box in the page number box allows you to print out this pdf (without this header page) and tick off the parts as they come off the printer. Hopefully you won't double print when you don't want to.

### **Future Improvements to this doc**

- 3) Add time of print using a Prusa mini as a guide.
- 4) Add AA (anti-aliasing) to images using gimp and scripts


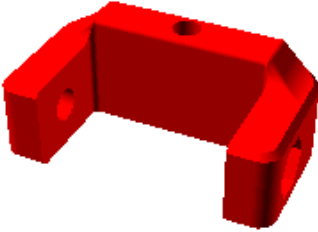
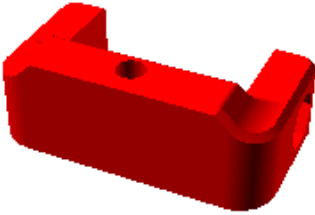
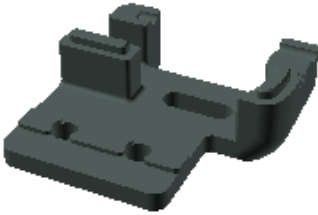
NB thanks for all the great ideas. Even if I have not had time (yet) to implement them all. They are much appreciated. Any other ideas or comments please visit [old.reddit.com/r/VORONDesign](https://old.reddit.com/r/VORONDesign)

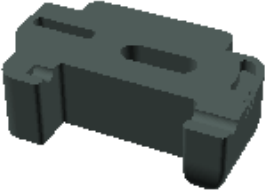
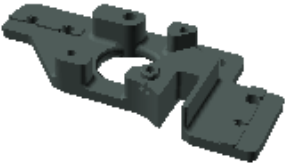


### **Notes**

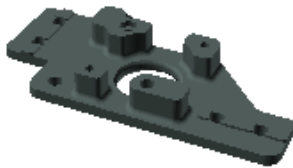
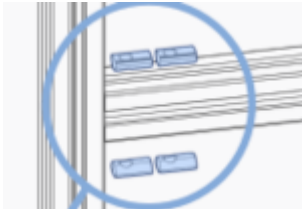
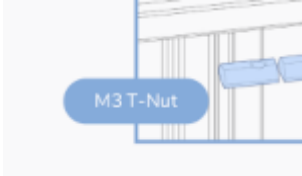
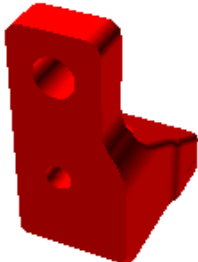
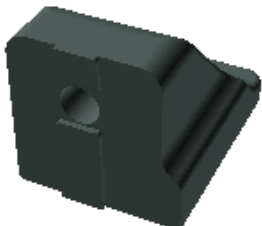
This is fan base documentation. The official document take precedence in any conflict of information or technical detail.


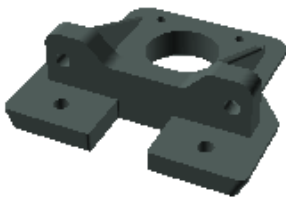
### **Silly quote**

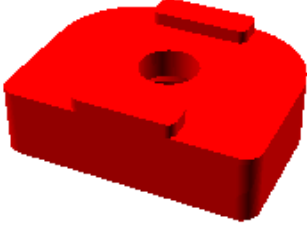
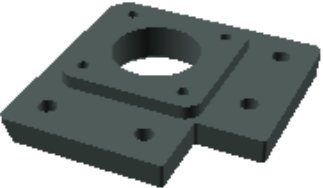
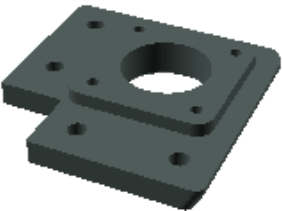

May your Voron print head always fly “straight and true”, never tire and crash the bed for a sleep.

Picture	Details	Page	Comment
	<p><b>Directory</b> STLs/Gantry/AB_Drive_Units</p> <p><b>Filename</b> a_drive_frame_upper.stl</p> <p><b>Manual name</b> A drive</p>	<p>26</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>And so it begins</p>
	<p><b>Directory</b> STLs/Gantry/Front_Idlers</p> <p><b>Filename</b> [a]_tensioner_left.stl</p> <p><b>Manual name</b> none found</p>	<p>27</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>NB Page 27 "Look for asterix next to the part. It indicates that this is an accent part."</p> <p>Except * is not a good character in a file name, so they changed it to Files starting with [a]</p>
	<p><b>Directory</b> STLs/Gantry/Front_Idlers</p> <p><b>Filename</b> [a]_tensioner_right.stl</p> <p><b>Manual name</b> none found</p>	<p>27</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>Joke alert Don't print part rm *</p> <p>If you have no idea what I am talking about please ignore this note</p>
	<p><b>Directory</b> STLs/Gantry/Front_Idlers</p> <p><b>Filename</b> front_idler_a_x2.stl</p> <p><b>Manual name</b> A idler</p>	<p>28</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>

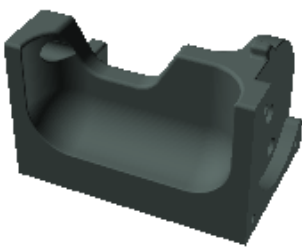



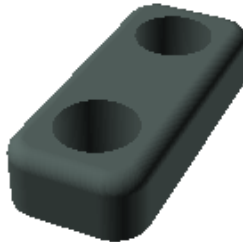
	<p><b>Directory</b> STLs/Gantry/Front_Idlers</p> <p><b>Filename</b> front_idler_b_x2.stl</p> <p><b>Manual name</b> none found</p>	<p>28</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>
	<p><b>Directory</b> STLs/Gantry/AB_Drive_Units</p> <p><b>Filename</b> a_drive_frame_lower.stl</p> <p><b>Manual name</b> A drive</p>	<p>34</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Tools</p> <p><b>Filename</b> AB_pulley_jig.stl</p> <p><b>Manual name</b> none found</p>	<p>35</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>tool</p>
	<p><b>Directory</b> STLs/Gantry/AB_Drive_Units</p> <p><b>Filename</b> b_drive_frame_lower.stl</p> <p><b>Manual name</b> B drive</p>	<p>37</p> <p>Done? <input type="checkbox"/> Yes</p>	

	<p><b>Directory</b> STLs/Gantry/AB_Drive_Units</p> <p><b>Filename</b> b_drive_frame_upper.stl</p> <p><b>Manual name</b> B drive</p>	<p>38</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p>T-Nuts M5 AKA "Roll in" T nuts</p>	<p>44</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>They don't have to go into the end.</p> <p>They can be "rolled in".</p> <p>No need to disassemble frame.</p>
	<p>Warning Lone M3 on page.  Pretending to be M5</p>	<p>44</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>Beware Of of the lone lone M3 T-nut. Which I read as an M5 and had to get it back out.</p>
	<p><b>Directory</b> STLs/Gantry/AB_Drive_Units</p> <p><b>Filename</b> [a]_y_endstop_bumper.stl</p> <p><b>Manual name</b> End stop</p>	<p>50</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> z_rear_extrusionbracket_left.stl</p> <p><b>Manual name</b> Rear brace</p>	<p>53</p> <p>Done? <input type="checkbox"/> Yes</p>	

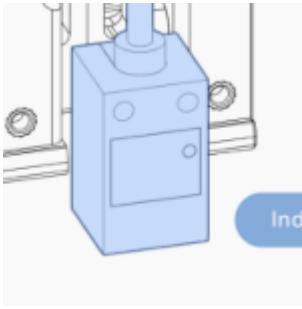
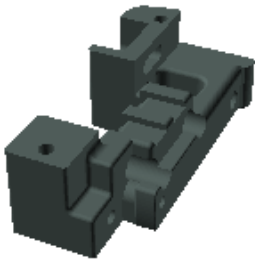
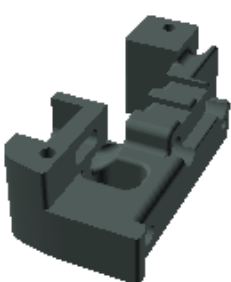
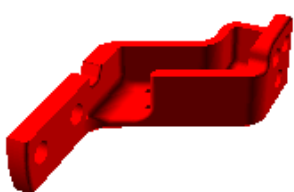
	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> z_rear_extrusionbracket_right.stl</p> <p><b>Manual name</b> Rear brace</p>	<p>55</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Tools</p> <p><b>Filename</b> MGN9_rail_guide_x2.stl</p> <p><b>Manual name</b> Guide</p>	<p>58</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>
	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> z_carriage_rear_3hole.stl</p> <p><b>Manual name</b> Generic Cable Chain</p>	<p>64</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>Check directory for 2 hole version if required on cable chain</p>
	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> z_stepper_rear.stl</p> <p><b>Manual name</b> none found</p>	<p>65</p> <p>Done? <input type="checkbox"/> Yes</p>	

	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> [a]_z_rail_stop_x3.stl</p> <p><b>Manual name</b> none found</p>	<p>68</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x3</p>
	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> z_stepper_left.stl</p> <p><b>Manual name</b> none found</p>	<p>69</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> z_stepper_right.stl</p> <p><b>Manual name</b> none found</p>	<p>73</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> z_carriage_left.stl</p> <p><b>Manual name</b> Left Z joint</p>	<p>77</p> <p>Done? <input type="checkbox"/> Yes</p>	

	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> [a]_z_carriage_left.stl</p> <p><b>Manual name</b> none found</p>	<p>77</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> [a]_z_carriage_right.stl</p> <p><b>Manual name</b> none found</p>	<p>79</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> z_carriage_right.stl</p> <p><b>Manual name</b> none found</p>	<p>79</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> corner_a_x2.stl</p> <p><b>Manual name</b> Feet</p>	<p>90</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>

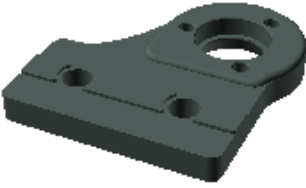


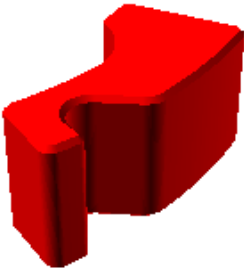
	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> corner_b_x2.stl</p> <p><b>Manual name</b> Feet</p>	<p>90</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>
	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> [a]_corner_baseplate_a_x2.stl</p> <p><b>Manual name</b> none found</p>	<p>90</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>
	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> [a]_corner_baseplate_b_x2.stl</p> <p><b>Manual name</b> none found</p>	<p>90</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>
	<p>Page 99 has been ignored for the purposes of this doco . It is an overview or copy of the pic on 98. Also it has way too many parts on it. Normal service to resume</p>		<p>Page ignored</p>
	<p><b>Directory</b> STLs/Gantry/X_Axis/X_Carriage</p> <p><b>Filename</b> probe_retainer_bracket.stl</p> <p><b>Manual name</b> none found</p>	<p>100</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>Note: There are two similar shapes. The one displayed and the 9mm one.</p> <p>probe_retainer_bracket_9mm.st</p> <p>But which one? See below</p>

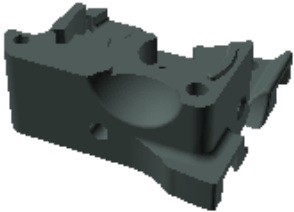
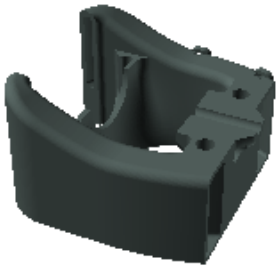
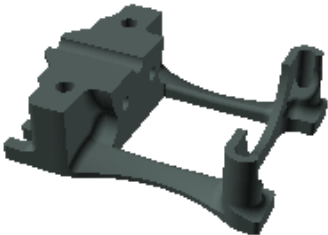
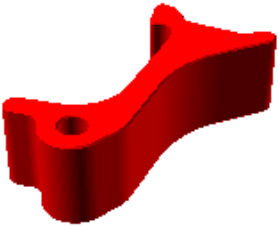


	<p><b>Which</b> <b>probe_retainer_bracket.stl?</b></p> <p>This all depends on your probe see page 111</p> <p>After putting my X carriage together on page 110, my probe was flush with the X carriage.</p> <p>I decided to go with the standard probe_retainer_bracket.stl Seem to work fine.</p>	<p>Info only</p>	<p>My probe from the formbot kit was a Omron TL-Q5MMC2-Z</p> <p>It was flush with the X carriage.</p> <p>when it was assembled</p>
	<p><b>Directory</b> STLs/Gantry/X_Axis/X_Carriage</p> <p><b>Filename</b> x_carriage_frame_left.stl</p> <p><b>Manual name</b> X Carriage</p>	<p>100</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>I had to gently sand the top of this part so it would mate properly</p>
	<p><b>Directory</b> STLs/Gantry/X_Axis/X_Carriage</p> <p><b>Filename</b> x_carriage_frame_right.stl</p> <p><b>Manual name</b> X Carriage</p>	<p>100</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>I had to gently sand the top of this part so it would mate properly</p>
	<p><b>Directory</b> STLs/Gantry/X_Axis/XY_Joints</p> <p><b>Filename</b> [a]_xy_joint_cable_bridge_3hole. stl</p> <p><b>Manual name</b> none found</p>	<p>100</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>Note: Check directory for 2 hole version if required for cable chain</p> <p>Mine's a 3 hole</p>

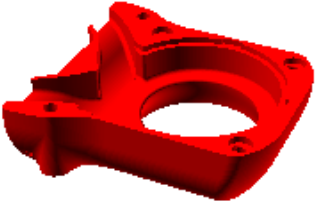



	<p><b>Directory</b> STLs/Gantry/X_Axis/XY_Joints</p> <p><b>Filename</b> xy_joint_right_upper_MGN12.stl</p> <p><b>Manual name</b> Right XY Joint</p>	<p>101</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>NB if you are using a brim to prevent ABS warping you may have to remove it round the crevice outlined below</p>
	<p><b>Notes</b></p> <p>Crevice outlined in blue on Right XY Joint. May need to be "cleaned out" with a craft knife if you have printed with a brim.</p>	<p>Info only</p>	
	<p><b>Directory</b> STLs/Gantry/X_Axis/XY_Joints</p> <p><b>Filename</b> xy_joint_right_lower_MGN12.stl</p> <p><b>Manual name</b> Right XY Joint</p>	<p>102</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Gantry/X_Axis/XY_Joints</p> <p><b>Filename</b> xy_joint_left_upper_MGN12.stl</p> <p><b>Manual name</b> Left XY Joint</p>	<p>105</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Gantry/X_Axis/XY_Joints</p> <p><b>Filename</b> xy_joint_left_lower_MGN12.stl</p> <p><b>Manual name</b> Left XY Joint</p>	<p>106</p> <p>Done? <input type="checkbox"/> Yes</p>	

	<p><b>Directory</b> STLs/Tools</p> <p><b>Filename</b> MGN12_rail_guide_x2.stl</p> <p><b>Manual name</b> none found</p>	<p>113</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>
	<p>Non printable part. Thermal fuse</p>	<p>129</p>	<p>Please skip. Non printable part.</p>
	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> nozzle_probe.stl</p> <p><b>Manual name</b> none found</p>	<p>130</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> z_bed_left.stl</p> <p><b>Manual name</b> none found</p>	<p>134</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> z_bed_rear.stl</p> <p><b>Manual name</b> none found</p>	<p>136</p> <p>Done? <input type="checkbox"/> Yes</p>	

	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> z_bed_right.stl</p> <p><b>Manual name</b></p>	<p>138</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Gantry/X_Axis/X_Carriage/ Direct Feed</p> <p><b>Filename</b> extruder_motor_plate.stl</p> <p><b>Manual name</b> none found</p>	<p>146</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Gantry/X_Axis/X_Carriage/ Direct Feed</p> <p><b>Filename</b> chain_anchor_3hole.stl</p> <p><b>Manual name</b> none found</p>	<p>146</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>Check directory for 2 hole version if required</p>
	<p><b>Directory</b> STLs/Gantry/X_Axis/X_Carriage/ Direct Feed</p> <p><b>Filename</b> [a]_latch_shuttle.stl</p> <p><b>Manual name</b> none found</p>	<p>146</p> <p>Done? <input type="checkbox"/> Yes</p>	

	<p><b>Directory</b> STLs/Gantry/X_Axis/X_Carriage/ Direct Feed</p> <p><b>Filename</b> extruder_body.stl</p> <p><b>Manual name</b> none found</p>	<p>147</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Gantry/X_Axis/X_Carriage/ Toolheads/Dragon</p> <p><b>Filename</b> printhead_front_dragon.stl</p> <p><b>Manual name</b> none found</p>	<p>148</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>DRAGON mount DO YOU HAVE A DRAGON hot end?</p>
	<p><b>Directory</b> STLs/Gantry/X_Axis/X_Carriage/T oolheads/Dragon</p> <p><b>Filename</b> printhead_rear_dragon.stl</p> <p><b>Manual name</b> none found</p>	<p>149</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>DRAGON mount DO YOU HAVE A DRAGON hot end?</p>
	<p><b>Directory</b> STLs/Gantry/X_Axis/X_Carriage/D irect Feed</p> <p><b>Filename</b> [a]_latch.stl</p> <p><b>Manual name</b> none found</p>	<p>161</p> <p>Done? <input type="checkbox"/> Yes</p>	

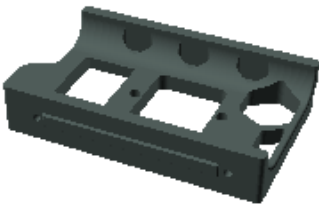

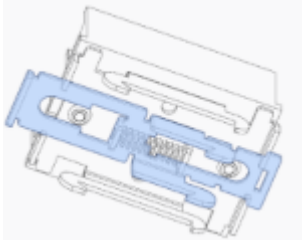

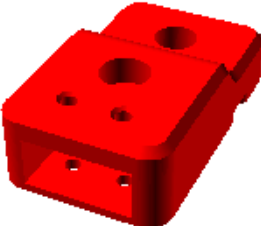
	<p><b>Directory</b> STLs/Gantry/X_Axis/X_Carriage/Direct Feed</p> <p><b>Filename</b> [a]_guidler.stl</p> <p><b>Manual name</b> none found</p>	<p>161</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Gantry/X_Axis/X_Carriage/Direct Feed</p> <p><b>Filename</b> [a]_connector_cover.stl</p> <p><b>Manual name</b> none found</p>	<p>163</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Gantry/X_Axis/X_Carriage</p> <p><b>Filename</b> blower_housing_rear.stl</p> <p><b>Manual name</b> none found</p>	<p>166</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Gantry/X_Axis/X_Carriage</p> <p><b>Filename</b> hotend_fan_mount.stl</p> <p><b>Manual name</b> none found</p>	<p>166</p> <p>Done? <input type="checkbox"/> Yes</p>	

	<p><b>Directory</b> STLs/Gantry/X_Axis/X_Carriage</p> <p><b>Filename</b> [a]_blower_housing_front.stl</p> <p><b>Manual name</b> none found</p>	<p>167</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> z_cable_chain_mount_3hole.stl</p> <p><b>Manual name</b> Z chain Anchor</p>	<p>173</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>Check directory for 2 hole version if required</p>
	<p><b>Directory</b> STLs/Panels</p> <p><b>Filename</b> wire_corner_left.stl</p> <p><b>Manual name</b> cable cover</p>	<p>175</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Panels</p> <p><b>Filename</b> wire_corner_right.stl</p> <p><b>Manual name</b> none found</p>	<p>176</p> <p>Done? <input type="checkbox"/> Yes</p>	

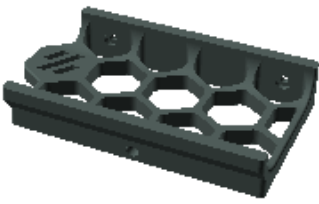

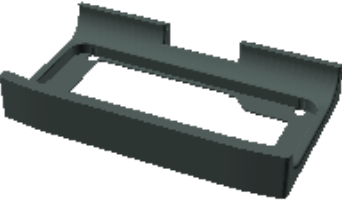
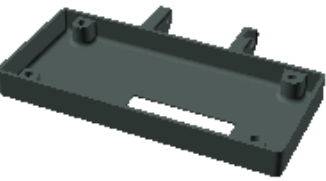
	<p><b>Directory</b> STLs/Panels</p> <p><b>Filename</b> deck_support_4mm_x8.stl</p> <p><b>Manual name</b> Deck support</p>	<p>178</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>X 8</p> <p>NB there are two variants 4mm and 3mm</p> <p>deck_support_3mm_x8.stl</p>
	<p><b>Directory</b> STLs/ElectronicsBay</p> <p><b>Filename</b> DIN_center_support_x2.stl</p> <p><b>Manual name</b> none found</p>	<p>181</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>
	<p><b>Directory</b> STLs/ElectronicsBay</p> <p><b>Filename</b> DIN_frame_mount_x4.stl</p> <p><b>Manual name</b> none found</p>	<p>181</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x4</p>
	<p><b>Directory</b> STLs/ElectronicsBay</p> <p><b>Filename</b> cable_frame_anchor_x6.stl</p> <p><b>Manual name</b> none found</p>	<p>185</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x6</p>

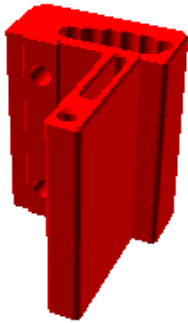
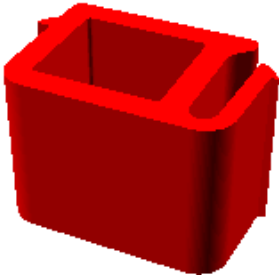

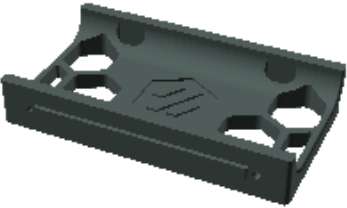


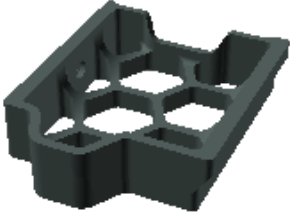
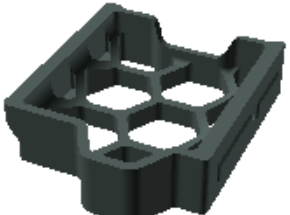
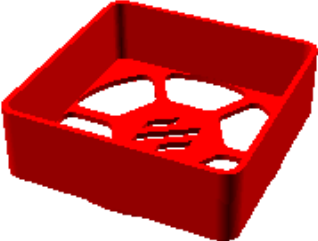
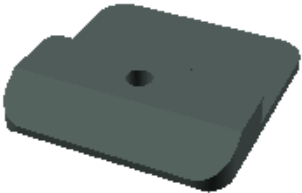
	<p><b>Directory</b> STLs/ElectronicsBay</p> <p><b>Filename</b> pcb_din_clip_v2_x5.stl</p> <p><b>Manual name</b> none foundy</p>	<p>189</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x5</p>
	<p><b>Directory</b> STLs/ElectronicsBay</p> <p><b>Filename</b> raspberrypi_bracket.stl</p> <p><b>Manual name</b> none found</p>	<p>189</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/ElectronicsBay</p> <p><b>Filename</b> rs25_psu_bracket.stl</p> <p><b>Manual name</b> RS25-5 PSU</p>	<p>191</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/ElectronicsBay/ Controller_Mounds</p> <p><b>Filename</b> Octopus_bracket_2pc.stl</p> <p><b>Manual name</b> Controller Boar</p>	<p>193</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>Note: do you have a Octopus? Other mounts in this directory include Duet, GTR, SKR, Spider etc</p>

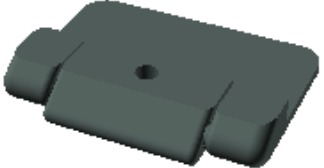

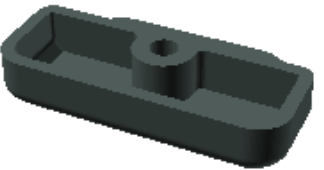
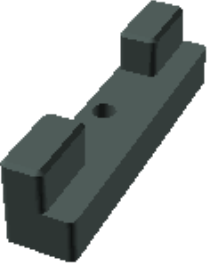
	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> power_inlet_filtered.stl</p> <p><b>Manual name</b> none found</p>	<p>195</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/ElectronicsBay</p> <p><b>Filename</b> PSU_stabilizer_50mm.stl</p> <p><b>Manual name</b> none found</p>	<p>198</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p>Not a printed part. Skip</p>	<p>199</p>	<p>Not printed part. Skip</p>
	<p><b>Directory</b> STLs/Gantry/X_Axis/XY_Joints</p> <p><b>Filename</b> [a]_endstop_pod_microswitch.stl</p> <p><b>Manual name</b> none found</p>	<p>203</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Gantry/AB_Drive_Units</p> <p><b>Filename</b> [a]_y_endstop_housing.stl</p> <p><b>Manual name</b> Not mentioned</p>	<p>Page not found</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>Warning</p> <p>We could not find this part in the official manual but it's in the STLs.</p> <p>Additionally, the Y endstop is held within the [a]_endstop_pod_microswitch.stl part</p>

	<p><b>Directory</b> STLs/Gantry/AB_Drive_Units</p> <p><b>Filename</b> [a]_wire_cover.stl</p> <p><b>Manual name</b> none found</p>	<p>225</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> side_fan_support_x2.stl</p> <p><b>Manual name</b> none found</p>	<p>233</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>
	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> keystone_panel.stl</p> <p><b>Manual name</b> none found</p>	<p>233</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Skirt/250</p> <p><b>Filename</b> front_skirt_a_250.stl</p> <p><b>Manual name</b> none found</p>	<p>233</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>WARNING</p> <p>250mm x 250mm</p> <p>do you have this bed size?</p>

	<p><b>Directory</b> STLs/Skirt/250</p> <p><b>Filename</b> front_skirt_b_250.stl</p> <p><b>Manual name</b> none found</p>	<p>233</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>WARNING</p> <p>250mm x 250mm</p> <p>do you have this bed size?</p>
	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> [a]_mini12864_case_front_insert.stl</p> <p><b>Manual name</b> none found</p>	<p>234</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> mini12864_case_front.stl</p> <p><b>Manual name</b> none found</p>	<p>234</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> mini12864_case_rear.stl</p> <p><b>Manual name</b> none found</p>	<p>235</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Warning: Joke detected</b></p> <p>Can't find the round thing, You make my heart sing, Wild thing. You make everything groovie. ABS mainly.</p>	<p>235</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>Not stl part</p> <p>Please skip.</p>


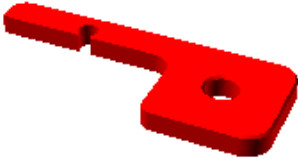

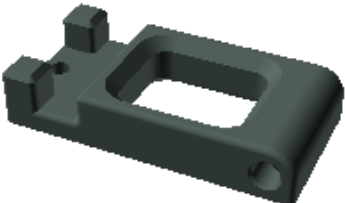
	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> [a]_mini12864_case_hinge.stl</p> <p><b>Manual name</b> none found</p>	<p>236</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> [a]_keystone_blank_insert_x2.stl</p> <p><b>Manual name</b> none found</p>	<p>237</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>
	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> [a]_skirt_logo_x2.stl</p> <p><b>Manual name</b> none found</p>	<p>237</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>X2</p>
	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> rear_center_skirt_250.stl</p> <p><b>Manual name</b> none found</p>	<p>241</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>WARNING</p> <p>250mm x 250mm</p> <p>do you have this bed size?</p>

	<p><b>Directory</b> STLs/Skirt/250</p> <p><b>Filename</b> side_skirt_a_250_x2.stl</p> <p><b>Manual name</b> none found</p>	<p>242</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>WARNING</p> <p>250mm x 250mm</p> <p>do you have this bed size?</p> <p>x2</p>
	<p><b>Directory</b> STLs/Skirt/250</p> <p><b>Filename</b> side_skirt_b_250_x2.stl</p> <p><b>Manual name</b> none found</p>	<p>242</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>WARNING</p> <p>250mm x 250mm</p> <p>do you have this bed size?</p> <p>x2</p>
	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> [a]_60mm_fan_blank_insert_x2.stl</p> <p><b>Manual name</b> none found</p>	<p>244</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>
	<p><b>Directory</b> STLs/Panels</p> <p><b>Filename</b> bottom_panel_clip_x4.stl</p> <p><b>Manual name</b> none found</p>	<p>250</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x4</p>

	<p><b>Directory</b> STLs/Panels</p> <p><b>Filename</b> bottom_panel_hinge_x2.stl</p> <p><b>Manual name</b> none found</p>	<p>250</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>
	<p><b>Directory</b> STLs/Panels</p> <p><b>Filename</b> corner_panel_clip_4mm_x8.stl</p> <p><b>Manual name</b> none found</p>	<p>254</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>Warning 4mm or 6mm part?</p> <p>x8</p>
	<p><b>Directory</b> STLs/Panels</p> <p><b>Filename</b> midspan_panel_clip_4mm_x7.stl</p> <p><b>Manual name</b> none found</p>	<p>254</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>Warning 4mm or 6mm part?</p> <p>x7</p>
	<p><b>Directory</b> STLs/Panels/Front_Doors</p> <p><b>Filename</b> latch_x2.stl</p> <p><b>Manual name</b> none found</p>	<p>263</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>

	<p><b>Directory</b> STLs/Panels/Front_Doors</p> <p><b>Filename</b> handle_a_x2.stl</p> <p><b>Manual name</b> none found</p>	<p>263</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>
	<p><b>Directory</b> STLs/Panels/Front_Doors</p> <p><b>Filename</b> handle_b_x2.stl</p> <p><b>Manual name</b> none found</p>	<p>263</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>
	<p><b>Directory</b> STLs/Panels/Front_Doors</p> <p><b>Filename</b> door_hinge_x6.stl</p> <p><b>Manual name</b> none found</p>	<p>265</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x6</p>
	<p><b>Directory</b> STLs/Exhaust_Filter</p> <p><b>Filename</b> exhaust_filter_housing.stl</p> <p><b>Manual name</b> none found</p>	<p>268</p> <p>Done? <input type="checkbox"/> Yes</p>	



	<p><b>Directory</b> STLs/Exhaust_Filter</p> <p><b>Filename</b> [a]_filter_access_cover.stl</p> <p><b>Manual name</b> none found</p>	<p>270</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Exhaust_Filter</p> <p><b>Filename</b> [a]_exhaust_filter_mount_x2.stl</p> <p><b>Manual name</b> none found</p>	<p>272</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>x2</p>
	<p><b>Directory</b> STLs/Exhaust_Filter</p> <p><b>Filename</b> exhaust_filter_grill.stl</p> <p><b>Manual name</b> none found</p>	<p>272</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p><b>Directory</b> STLs/Exhaust_Filter</p> <p><b>Filename</b> bowen_retainer.stl</p> <p><b>Manual name</b> none found</p>	<p>275</p> <p>Done? <input type="checkbox"/> Yes</p>	

	<p><b>Directory</b> STLs/Exhaust_Filter</p> <p><b>Filename</b> spool_holder.stl</p> <p><b>Manual name</b> none found</p>	<p>276</p> <p>Done? <input type="checkbox"/> Yes</p>	
	<p>Steve</p> <p>(Team member and person who "drove the bus home on Trident project")</p>	<p>280</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>Man in the red shirt. Well reddish.</p> <p>It's in that spectrum</p>
	<p>Eddie (Team member)</p>	<p>280</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>This is not a red shirt.</p>
	<p>Dunar (Team member)</p>	<p>280</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>Support structure may be required for the beard.</p>
	<p>[a]_Russianecatfood.stl</p> <p><b>Manual name</b> Maks Zolin</p>	<p>280</p> <p>Done? <input type="checkbox"/> Yes</p>	<p>May require multiple materials</p> <p>Fearless leader</p>



Done!

I have one question for you.

Did you print the tool on page 58 in the accent colour?

- ☐ Yes, because it's cool
- ☐ No, Mr George, Because I am on to you

Place ✓ above

Note: I spent far too much time on this doco. I can only imagine the hard work that the Voron team has put into actually making the printer itself. So from a personal point of view I would like to say thanks to the official team here.