

**Title** Trident\_1-9\_complementary\_3dPartsBuild\_doco (Proposed future filename)  
**File name** Voron\_1.9\_3dprinting\_guide.pdf (You put . In a filename?)  
**Date** 2021-12-16 (Unofficial version number)  
**Copy-rite** None. Free domain. Be free. Fly my pretties. FLY!  
**Warranty** None. Use at own risk. For entertainment purposes only.  
**Authors** Stephen George, 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. To get the latest V. Goto URL below and check the date.

[https://github.com/LesserSpottedAustralianSquirrel/voron\\_trident\\_pics/blob/main/](https://github.com/LesserSpottedAustralianSquirrel/voron_trident_pics/blob/main/Voron_1.9_trident_3dprinting_guide.pdf)

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

**My prints:** (for Prusa mini): Brim yes 5mm, Ironing yes, first layer 10 mm/s, infill grid

NB: Many of the Voron parts “mate” together. I found that a light sand papering helped allow these parts to mate. Another idea: enable “ironing” in your slicer. (update :“oh yeah”).

NB: I used a Prusa mini (bed flinger) to print parts & had to use a plumbers deburring tool (from hardware shop) & sometimes a craft knife, to remove the elephants foot like effect and brim.

### **The Rules**

The first time a picture of a part is shown in the official instructions it's added to the list.

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, under the picture, allows you to print out this pdf and tick off the parts as they come off the printer. Anyone know how to make them PDF tick able? So we don't have to print doco out, but can just tick and save the electronic PDF to keep track?

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


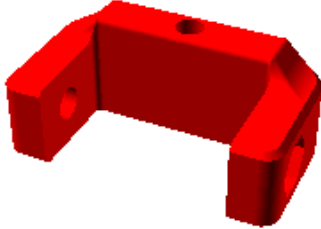
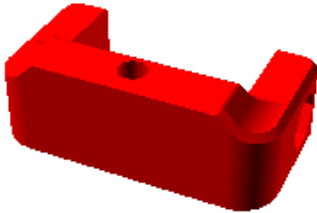
3) Add time of print using a Prusa mini as a guide.

4) Add AA (anti-aliasing) to images using gimp and scripts


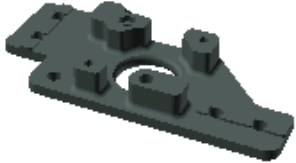
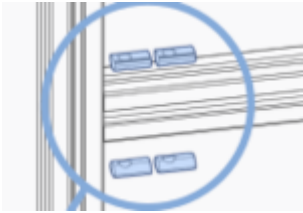
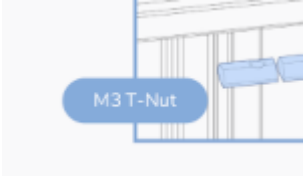
Thanks for all the great ideas. Even if I have not had time (yet) to implement them all. They are much appreciated. Please visit [old.reddit.com/r/VORONDesign](https://old.reddit.com/r/VORONDesign)

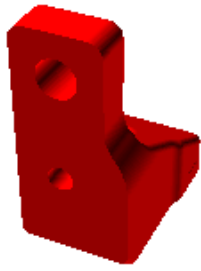
### **Notes**

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

Picture	Details	Comment
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Gantry/AB_Drive_Units</p> <p><b>Filename</b> a_drive_frame_upper</p> <p><b>Page Number</b> 26</p>	<p>And so it begins</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Gantry/ Front_Idlers</p> <p><b>Filename</b> [a]_tensioner_left</p> <p><b>Page number</b> 27</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>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Gantry/ Front_Idlers</p> <p><b>Filename</b> [a]_tensioner_right</p> <p><b>Page number</b> 27</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>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Gantry/ Front_Idlers</p> <p><b>Filename</b> front_idler_a_x2</p> <p><b>Page number</b> 28</p>	<p>x2</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Gantry/ Front_Idlers</p> <p><b>Filename</b> front_idler_b_x2</p> <p><b>Page number</b> 28</p>	<p>x2</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Gantry/AB_Drive_Units</p> <p><b>Filename</b> a_drive_frame_lower</p> <p><b>Page number</b> 34</p>	
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Tools</p> <p><b>Filename</b> AB_pulley_jig</p> <p><b>Page number</b> 35</p>	<p>Tool</p>

 <p>Printed?</p> <input type="checkbox"/>	<p><b>Directory</b> STLs/Gantry/AB_Drive_Units</p> <p><b>Filename</b> b_drive_frame_lower</p> <p><b>Page number</b> 37</p>	
 <p>Printed?</p> <input type="checkbox"/>	<p><b>Directory</b> STLs/Gantry/AB_Drive_Units</p> <p><b>Filename</b> b_drive_frame_upper</p> <p><b>Page number</b> 38</p>	
	<p>T-Nuts M5 AKA “Roll in” T nuts</p> <p><b>Page number</b> 44</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><b>Page number</b> 44</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>



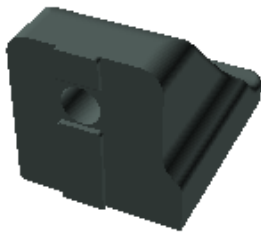
Printed?

☐

**Directory**  
STLs/Gantry/AB\_Drive\_Units

**Filename**  
[a]\_y\_endstop\_bumper

**Page number**  
50



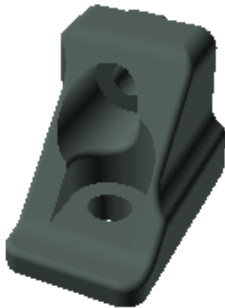
Printed?

☐

**Directory**  
STLs/Z\_Assembly

**Filename**  
z\_rear\_extrusionbracket\_left

**Page number**  
53



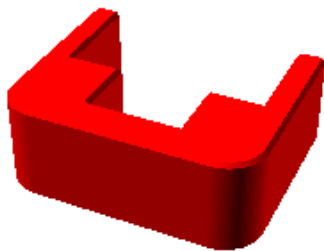
Printed?

☐

**Directory**  
STLs/Z\_Assembly

**Filename**  
z\_rear\_extrusionbracket\_right

**Page number**  
55



Printed?


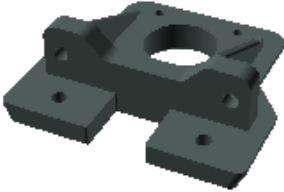
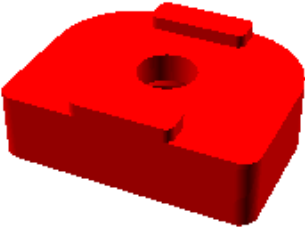
☐

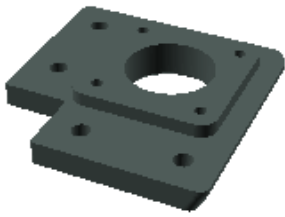
**Directory**  
STLs/Tools

**Filename**  
MGN9\_rail\_guide\_x2

**Page number**  
58

x2

 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> z_carriage_rear_3hole</p> <p><b>Page number</b> 64</p>	<p>Check directory for 2 hole version if required on cable chain</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> z_stepper_rear</p> <p><b>Page number</b> 65</p>	
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> [a]_z_rail_stop_x3</p> <p><b>Page number</b> 68</p>	<p>x3</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> z_stepper_left</p> <p><b>Page number</b> 69</p>	



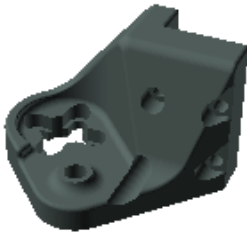
Printed?

☐

**Directory**  
STLs/Z\_Assembly

**Filename**  
z\_stepper\_right

**Page number**  
73



Printed?

☐

**Directory**  
STLs/Z\_Assembly

**Filename**  
z\_carriage\_left

**Page number**  
77



Printed?

☐

**Directory**  
STLs/Z\_Assembly

**Filename**  
[a]\_z\_carriage\_left

**Page number**  
77





Printed?

☐



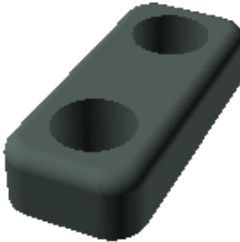
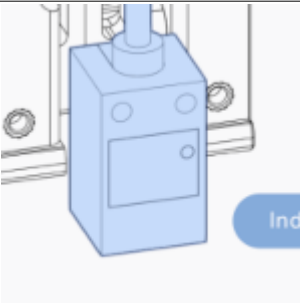
**Directory**  
STLs/Z\_Assembly

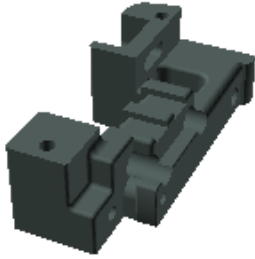
**Filename**  
[a]\_z\_carriage\_right

**Page number**  
79

 <p>Printed?</p> <input type="checkbox"/>	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> z_carriage_right</p> <p><b>Page number</b> 79</p>	
 <p>Printed?</p> <input type="checkbox"/>	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> corner_a_x2</p> <p><b>Page number</b> 90</p>	x2
 <p>Printed?</p> <input type="checkbox"/>	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> corner_b_x2</p> <p><b>Page number</b> 90</p>	x2
 <p>Printed?</p> <input type="checkbox"/>	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> [a]_corner_baseplate_a_x2</p> <p><b>Page number</b> 90</p>	x2



<div></div> <div>Printed? <input type="checkbox"/></div>	<div>Directory STLs/Skirt</div> <div>Filename [a]_corner_baseplate_b_x2</div> <div>Page number 90</div>	<div>x2</div>	
<div></div>	<div>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</div>		
<div></div> <div>Printed? <input type="checkbox"/></div>	<div>Directory STLs/Gantry/ X_Axis/X_Carriage</div> <div>Filename probe_retainer_bracket</div> <div>Page number 100</div>	<div>Note: There are two similar shapes. The one displayed and the 9mm one.</div> <div>probe_retainer_bracket_9mm.st</div> <div>But which one? See below</div>	
<div></div>	<div>Which probe_retainer_bracket?</div> <div>This all depends on your probe see page 111</div> <div>After putting my X carriage together on page 110, my probe was flush with the X carriage.</div> <div>I decided to go with the standard probe_retainer_bracket. It seem to work fine.</div>		<div>My probe from the formbot kit was a Omron TL-Q5MMC2-Z</div> <div>It was flush with the X carriage when it was assembled</div>



Printed?

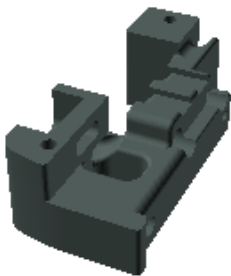
☐

**Directory**  
STLs/Gantry/  
X\_Axis/X\_Carriage

**Filename**  
x\_carriage\_frame\_left

**Page number**  
100

I had to gently sand  
the top of this part  
so it would mate  
properly



Printed?

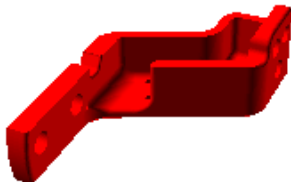
☐

**Directory**  
STLs/Gantry/  
X\_Axis/X\_Carriage

**Filename**  
x\_carriage\_frame\_right

**Page number**  
100

I had to gently sand  
the top of this part  
so it would mate  
properly



Printed?

☐

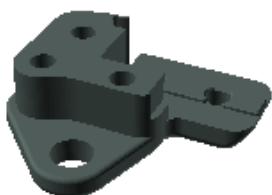
**Directory**  
STLs/Gantry/  
X\_Axis/XY\_Joints

**Filename**  
[a]\_xy\_joint\_cable\_bridge\_  
3hole

**Page number**  
100

Note: Check  
directory for 2 hole  
version if required  
for cable chain

Mine's a 3 hole



Printed?

☐

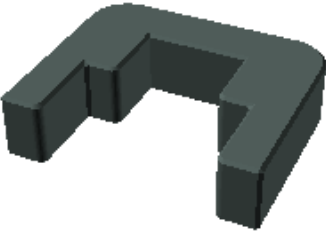
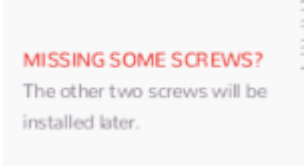


**Directory**  
STLs/Gantry/  
X\_Axis/XY\_Joints

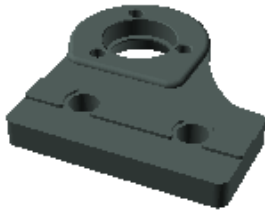
**Filename**  
xy\_joint\_right\_upper\_MGN12

**Page number**  
101

NB if you are using  
a brim to prevent  
ABS warping you  
may have to  
remove it round the  
crevice outlined  
below

	<p>Notes</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>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Gantry/ X_Axis/XY_Joints</p> <p><b>Filename</b> xy_joint_right_lower_MGN12</p> <p><b>Page number</b> 102</p>	
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Gantry/ X_Axis/XY_Joints</p> <p><b>Filename</b> xy_joint_left_upper_MGN12</p> <p><b>Page number</b> 105</p>	
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Gantry/ X_Axis/XY_Joints</p> <p><b>Filename</b> xy_joint_left_lower_MGN12</p> <p><b>Page number</b> 106</p>	

 <p>Printed?</p> <input type="checkbox"/>	<p><b>Directory</b> STLs/Tools</p> <p><b>Filename</b> MGN12_rail_guide_x2</p> <p><b>Page number</b> 113</p>	<p>x2</p>
	<p>Page 116</p> <p>Missing screws. To be installed later.</p> <p>Which page would they be installed later?</p>	<p>Will update when I know the answer. But for now I personally will be adding them.</p> <p>Because I am a rebel. (Without a 3d printer)</p>
	<p>Non printable part. Thermal fuse</p> <p><b>Page number</b> 129</p>	<p>Please skip. Non printable part.</p>
 <p>Printed?</p> <input type="checkbox"/>	<p><b>Directory</b> STLs/Z_Assembly</p> <p><b>Filename</b> nozzle_probe</p> <p><b>Page number</b> 130</p>	



Printed?

☐

**Directory**  
STLs/Z\_Assembly

**Filename**  
z\_bed\_left

**Page number**  
134



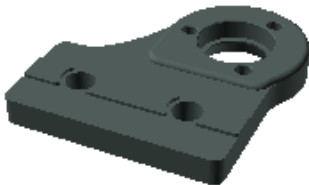
Printed?

☐

**Directory**  
STLs/Z\_Assembly

**Filename**  
z\_bed\_rear

**Page number**  
136



Printed?

☐

**Directory**  
STLs/Z\_Assembly

**Filename**  
z\_bed\_right

**Page number**  
138



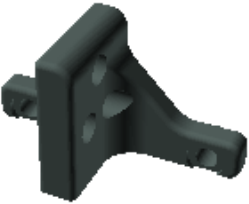
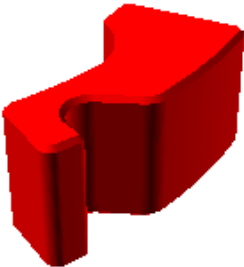
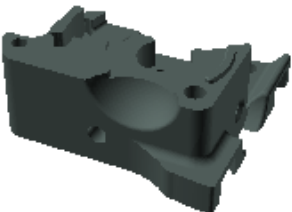
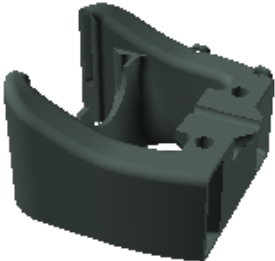
Printed?

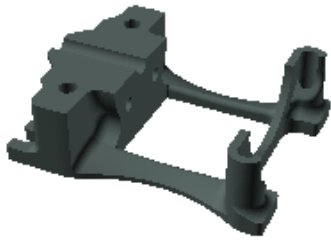
☐

**Directory**  
STLs/Gantry/  
X\_Axis/X\_Carriage/Direct Feed

**Filename**  
extruder\_motor\_plate

**Page number**  
146

 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Gantry/ X_Axis/X_Carriage/ Direct Feed</p> <p><b>Filename</b> chain_anchor_3hole</p> <p><b>Page number</b> 146</p>	<p>Check directory for 2 hole version if required</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Gantry/ X_Axis/X_Carriage/ Direct Feed</p> <p><b>Filename</b> [a]_latch_shuttle</p> <p><b>Page number</b> 146</p>	
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Gantry/ X_Axis/X_Carriage/ Direct Feed</p> <p><b>Filename</b> extruder_body</p> <p><b>Page number</b> 147</p>	
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Gantry/X_Axis/X_Carriage/ Toolheads/Dragon</p> <p><b>Filename</b> printhead_front_dragon</p> <p><b>Page number</b> 148</p>	<p>DRAGON mount DO YOU HAVE A DRAGON hot end?</p>



Printed?

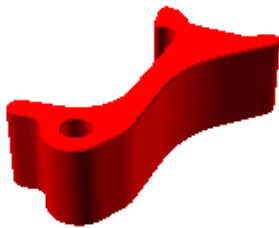
☐

**Directory**  
STLs/Gantry/  
X\_Axis/X\_Carriage/Toolheads/  
Dragon

**Filename**  
printhead\_rear\_dragon

**Page number**  
149

DRAGON mount  
DO YOU HAVE A  
DRAGON hot end?



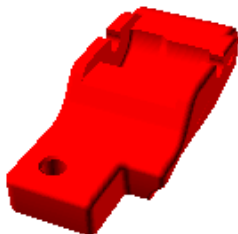
Printed?

☐

**Directory**  
STLs/Gantry/  
X\_Axis/X\_Carriage/Direct Feed

**Filename**  
[a]\_latch

**Page number**  
161



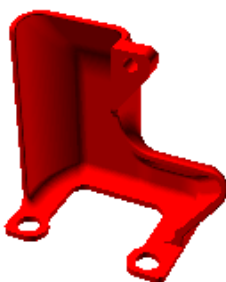
Printed?

☐

**Directory**  
STLs/Gantry/  
X\_Axis/X\_Carriage/Direct Feed

**Filename**  
[a]\_guidler

**Page number**  
161



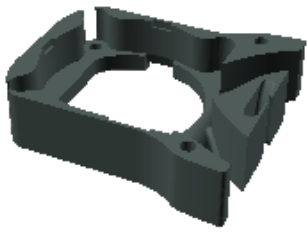
Printed?

☐

**Directory**  
STLs/Gantry/  
X\_Axis/X\_Carriage/Direct Feed

**Filename**  
[a]\_connector\_cover

**Page number**  
163



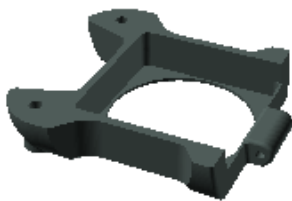
Printed?

☐

**Directory**  
STLs/Gantry/  
X\_Axis/X\_Carriage

**Filename**  
blower\_housing\_rear

**Page number**  
166



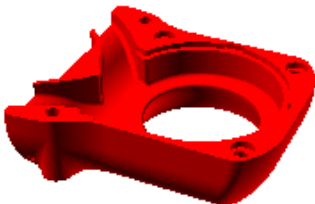
Printed?

☐

**Directory**  
STLs/Gantry/  
X\_Axis/X\_Carriage

**Filename**  
hotend\_fan\_mount

**Page number**  
166



Printed?

☐

**Directory**  
STLs/Gantry/  
X\_Axis/X\_Carriage

**Filename**  
[a]\_blower\_housing\_front

**Page number**  
167



Printed?

☐

**Directory**  
STLs/Z\_Assembly

**Filename**  
z\_cable\_chain\_mount\_3hole



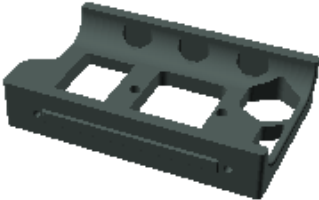

**Page number**  
173

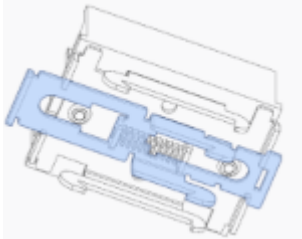

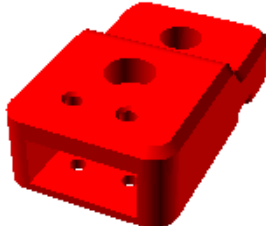

Check directory for  
2 hole version if  
required

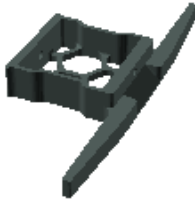
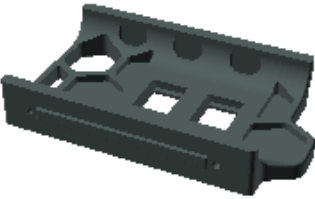
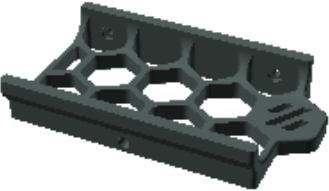
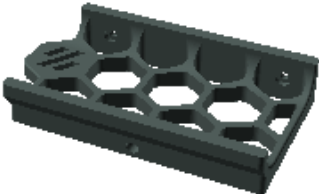


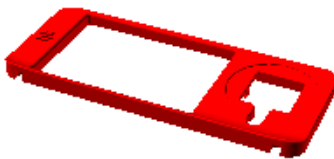
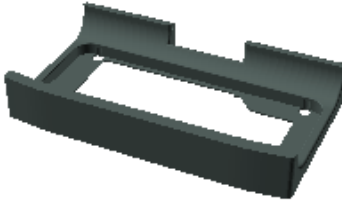
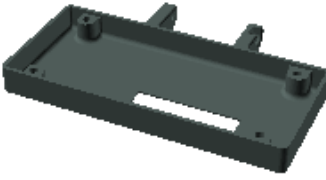
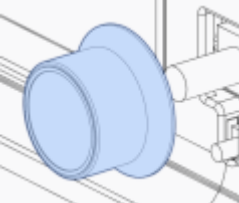
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Panels</p> <p><b>Filename</b> wire_corner_left</p> <p><b>Page number</b> 175</p>	
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Panels</p> <p><b>Filename</b> wire_corner_right</p> <p><b>Page number</b> 176</p>	
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Panels</p> <p><b>Filename</b> deck_support_4mm_x8</p> <p><b>Page number</b> 178</p>	<p>X 8</p> <p>NB there are two variants 4mm and 3mm</p> <p>deck_support_3mm_x8</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/ElectronicsBay</p> <p><b>Filename</b> DIN_center_support_x2</p> <p><b>Page number</b> 181</p>	<p>x2</p>

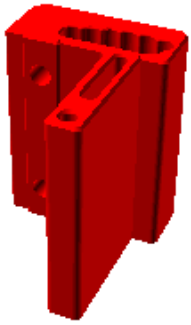
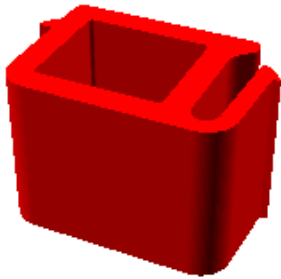

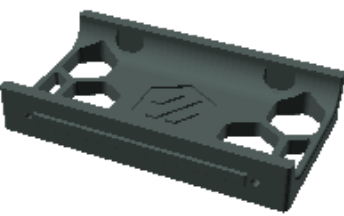
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/ElectronicsBay</p> <p><b>Filename</b> DIN_frame_mount_x4</p> <p><b>Page number</b> 181</p>	<p>x4</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/ElectronicsBay</p> <p><b>Filename</b> cable_frame_anchor_x6</p> <p><b>Page number</b> 185</p>	<p>X6</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/ElectronicsBay</p> <p><b>Filename</b> pcb_din_clip_v2_x5</p> <p><b>Page number</b> 189</p>	<p>x5</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/ElectronicsBay</p> <p><b>Filename</b> raspberrypi_bracket</p> <p><b>Page number</b> 189</p>	

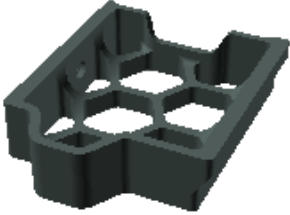
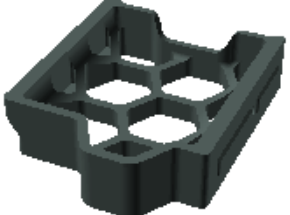
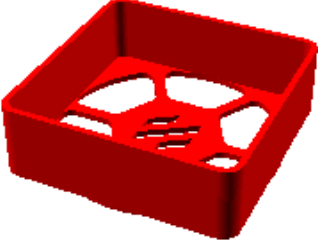
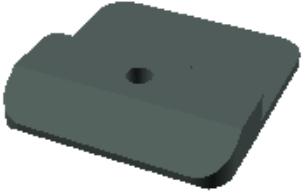
 <p>Printed?</p> <input type="checkbox"/>	<p><b>Directory</b> STLs/ElectronicsBay</p> <p><b>Filename</b> rs25_psu_bracket</p> <p><b>Page number</b> 191</p>	
 <p>Printed?</p> <input type="checkbox"/>	<p><b>Directory</b> STLs/ElectronicsBay/ Controller_Mounts</p> <p><b>Filename</b> Octopus_bracket_2pc</p> <p><b>Page number</b> 193</p>	<p>Note: do you have a Octopus? Other mounts in this directory include Duet, GTR,SKR,Spider etc</p>
 <p>Printed?</p> <input type="checkbox"/>	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> power_inlet_filtered</p> <p><b>Page number</b> 195</p>	
 <p>Printed?</p> <input type="checkbox"/>	<p><b>Directory</b> STLs/ElectronicsBay</p> <p><b>Filename</b> PSU_stabilizer_50mm</p> <p><b>Page number</b> 198</p>	

	<p>Not a printed part.</p> <p>Skip</p> <p><b>Page number</b> 199</p>	<p>Not printed part. Skip</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Gantry/ X_Axis/XY_Joints</p> <p><b>Filename</b> [a]_endstop_pod_microswitch</p> <p><b>Page number</b> 203</p>	
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Gantry/ AB_Drive_Units</p> <p><b>Filename</b> [a]_y_endstop_housing</p> <p><b>Page number</b> Page not found</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 part</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Gantry/ AB_Drive_Units</p> <p><b>Filename</b> [a]_wire_cover</p> <p><b>Page number</b> 225</p>	

 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> side_fan_support_x2</p> <p><b>Page number</b> 233</p>	<p>x2</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> keystone_panel</p> <p><b>Page number</b> 233</p>	
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Skirt/250</p> <p><b>Filename</b> front_skirt_a_250</p> <p><b>Page number</b> 233</p>	<p>WARNING</p> <p>250mm x 250mm</p> <p>do you have this bed size?</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Skirt/250</p> <p><b>Filename</b> front_skirt_b_250</p> <p><b>Page number</b> 233</p>	<p>WARNING</p> <p>250mm x 250mm</p> <p>do you have this bed size?</p>

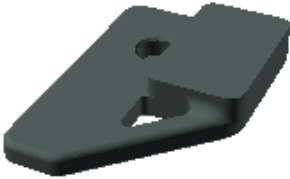
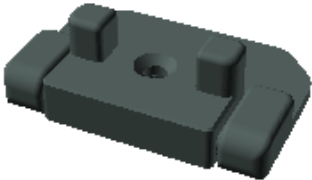
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> [a]_mini12864_case_ front_insert</p> <p><b>Page number</b> 234</p>	
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> mini12864_case_front</p> <p><b>Page number</b> 234</p>	
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> mini12864_case_rear</p> <p><b>Page number</b> 235</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><b>Page number</b> 235</p>	<p>Not stl part Please skip.</p>


 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> [a]_mini12864_case_hinge</p> <p><b>Page number</b> 236</p>	
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> [a]_keystone_blank_insert_x2</p> <p><b>Page number</b> 237</p>	x2
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> [a]_skirt_logo_x2</p> <p><b>Page number</b> 237</p>	X2
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> rear_center_skirt_250</p> <p><b>Page number</b> 241</p>	<p><b>WARNING</b></p> <p>250mm x 250mm</p> <p>do you have this bed size?</p>

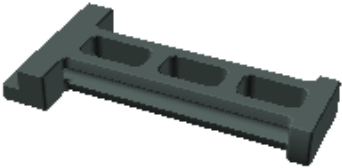

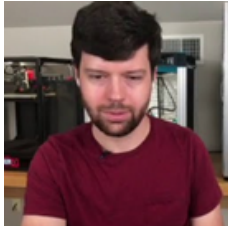

 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Skirt/250</p> <p><b>Filename</b> side_skirt_a_250_x2</p> <p><b>Page number</b> 242</p>	<p>WARNING</p> <p>250mm x 250mm</p> <p>do you have this bed size?</p> <p>x2</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Skirt/250</p> <p><b>Filename</b> side_skirt_b_250_x2</p> <p><b>Page number</b> 242</p>	<p>WARNING</p> <p>250mm x 250mm</p> <p>do you have this bed size?</p> <p>x2</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Skirt</p> <p><b>Filename</b> [a]_60mm_fan_blank_ insert_x2</p> <p><b>Page number</b> 244</p>	<p>x2</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Panels</p> <p><b>Filename</b> bottom_panel_clip_x4</p> <p><b>Page number</b> 250</p>	<p>x4</p>



 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Panels</p> <p><b>Filename</b> bottom_panel_hinge_x2</p> <p><b>Page number</b> 250</p>	<p>x2</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Panels</p> <p><b>Filename</b> corner_panel_clip_4mm_x8</p> <p><b>Page number</b> 254</p>	<p>Warning 4mm or 6mm part?</p> <p>x8</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Panels</p> <p><b>Filename</b> midspan_panel_clip_4mm_x7</p> <p><b>Page number</b> 254</p>	<p>Warning 4mm or 6mm part?</p> <p>x7</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Panels/ Front_Doors</p> <p><b>Filename</b> latch_x2</p> <p><b>Page number</b> 263</p>	<p>x2</p>

 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Panels/ Front_Doors</p> <p><b>Filename</b> handle_a_x2</p> <p><b>Page number</b> 263</p>	<p>x2</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Panels/ Front_Doors</p> <p><b>Filename</b> handle_b_x2</p> <p><b>Page number</b> 263</p>	<p>x2</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Panels/ Front_Doors</p> <p><b>Filename</b> door_hinge_x6</p> <p><b>Page number</b> 265</p>	<p>x6</p>
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Exhaust_Filter</p> <p><b>Filename</b> exhaust_filter_housing</p> <p><b>Page number</b> 268</p>	

 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Exhaust_Filter</p> <p><b>Filename</b> [a]_filter_access_cover</p> <p><b>Page number</b> 270</p>	
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Exhaust_Filter</p> <p><b>Filename</b> [a]_exhaust_filter_mount_x2</p> <p><b>Page number</b> 272</p>	x2
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Exhaust_Filter</p> <p><b>Filename</b> exhaust_filter_grill</p> <p><b>Page number</b> 272</p>	
 <p>Printed? <input type="checkbox"/></p>	<p><b>Directory</b> STLs/Exhaust_Filter</p> <p><b>Filename</b> bowen_retainer</p> <p><b>Page number</b> 275</p>	

 <p>Printed?</p> <input type="checkbox"/>	<p><b>Directory</b> STLs/Exhaust_Filter</p> <p><b>Filename</b> spool_holder</p> <p><b>Page number</b> 276</p>	
 <p>Printed?</p> <input type="checkbox"/>	<p>Steve</p> <p>(Team member and person who “drove the bus home on Trident project”)</p> <p><b>Page number</b> 280</p>	<p>Man in the red shirt. Well reddish.</p> <p>It’s in that spectrum</p>
 <p>Printed?</p> <input type="checkbox"/>	<p>Eddie (Team member)</p> <p><b>Page number</b> 280</p>	<p>This is not a red shirt.</p>
 <p>Printed?</p> <input type="checkbox"/>	<p>Dunar (Team member)</p> <p><b>Page number</b> 280</p>	<p>Support structure may be required for the beard.</p>
 <p>Printed?</p> <input type="checkbox"/>	<p>Maks Zolin AKA [a]_Russiancatfood</p> <p>Glorious and fearless leader</p> <p><b>Page number</b> 281</p>	<p>May require multiple materials to print.</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.

### Credits list

I suddenly realised that a lot of people had commented and given great suggestions to improve this doco and I had not given them their due credit. If I missed you, then opps. My bad. In my defence I fully expected this project to be ignored, So without further ado here is the list.

Credit	Condensed Request	Response
<a href="#">mapsedge</a>	Bigger font please. I am getting older and the text is hard to read	I may have over compensated. Done as requested.
Claudermilk	Here are some things I would change	I think you have written more than me. Done as requested.
<a href="#">Appropriate_Rice3348</a>	4mm nossil? That's a big nozzle. Should mounds" be "mounts"?	Updated to 0.4mm nossle. Updated spelling.
<a href="#">imawsm_</a>	anti-aliasing	Added to things to do
<a href="#">jpgadbois</a>	I initially thought this was a guide to setting up printing parameters on a Trident rather than how to print parts for a Trident	Good point. Will update file name in git when (and If) I do the upcoming 1.10 Super trident.
<a href="#">mvrckcompany</a>	What about removing the background from each of the part pictures? Add in some shadows to make it pop.	Background gone. Unfortunately adding shadow is beyond my limited knowledge
<a href="#">Leang</a>	Color the accent parts differently in the thumbnails for easy visual difference.	Done as requested
<a href="#">imoftendisgruntled</a>	I also think the manual could use a page at the front of every section that has a "For this section you will need:" header followed by pictures and filenames of the STLs along with the hardware bits from the BOM.	Good point. However I am simply following the official manual. But good point.
<a href="#">Castorreddit</a>	Best way of doing this is not on reddit, but on github.	Thanks and done.

And Cut.