

Printer Assembly Manual

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Parts List

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- P32 ExtruderLever
- P33 ExtruderPlate
- P34 ExtruderSpringEndstop
- P35 EndStopCap
- P36 BacklashNutSpacer

Parts List

Hardware

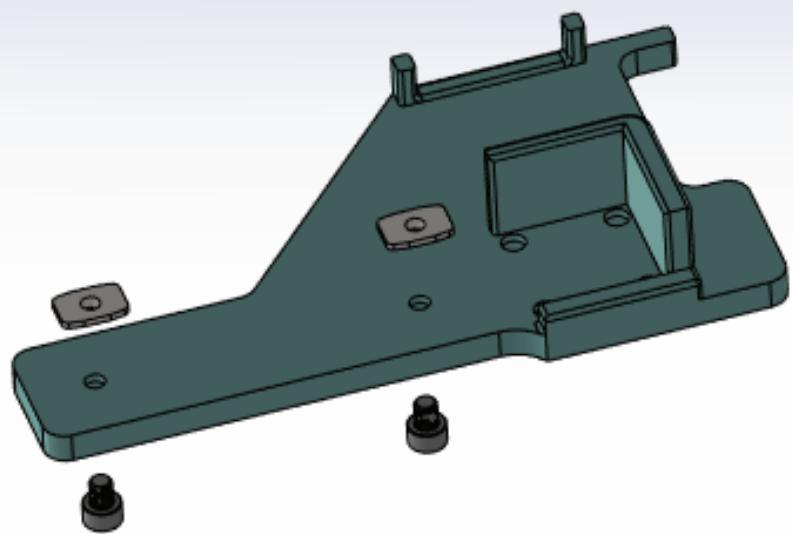
- HW1 Z-Axis 3030 Aluminum Extrusion
- HW2 Y-Axis 3030 Aluminum Extrusion
- HW3 MGN12H Linear Rail
- HW4 8mm Metric Acme Lead Screw
- HW5 Anti-Backlash Nut Block
- HW6 5mm * 8mm Flexible Coupling
- HW7 Flanged Bearing
- HW8 Timing Belt
- HW9 Belt Crimps
- HW10 Smooth Idler Pulley
- HW11 Extruder Drive Gear
- HW12 Timing Pulley Gear
- HW13 Bearing Block Spacer
- HW14 Extruder Idler Bearing

Heated Components

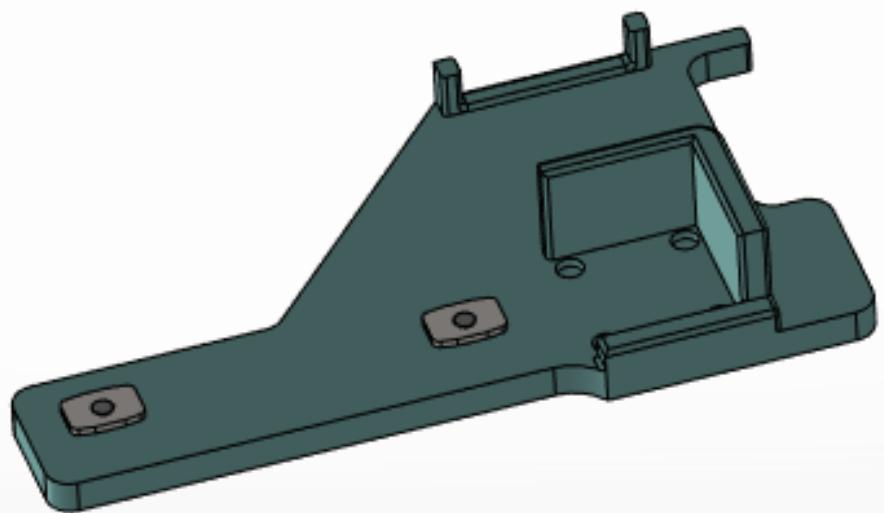
- HE1 Aluminum Bar
- HE2 Volcano nozzle
- HE3 Heater Cartridge
- HE4 Heat Sink
- HE5 Silicon Casting Kit
- HE6 Heat Break
- HE7 Bowden Tube
- HE8 Thermal Paste
- HE9 Heat Break Fan
- HE10 Print Fan
- HE11 Hot End Thermistor
- HE12 Mini Heated Bed
- HE13 PEI Sheet
- HE14 Bed Thermistor

Electronics

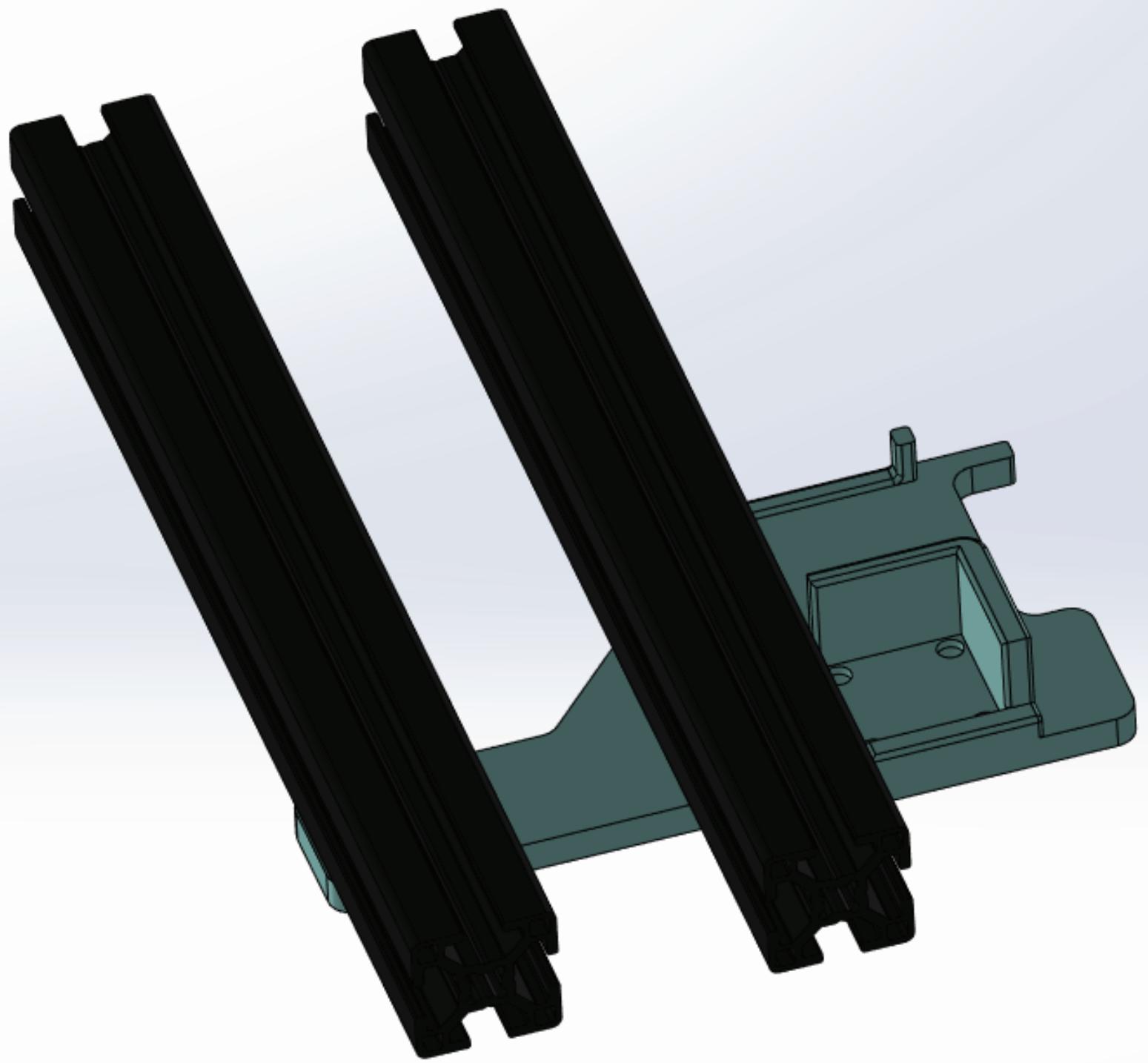
- E1 RAMPS 1.4 Sheild
- E2 Arduino Mega
- E3 24V Meanwell Power Supply
- E4 Stepper Motor Driver
- E5 Stepper Motor Driver Heat Sink
- E6 End Stop Switches
- E7 Stepper Motor
- E8 JST 2Pin Connector Female
- E9 Stepper Motor Cables
- E10 JST 4Pin Connector Female



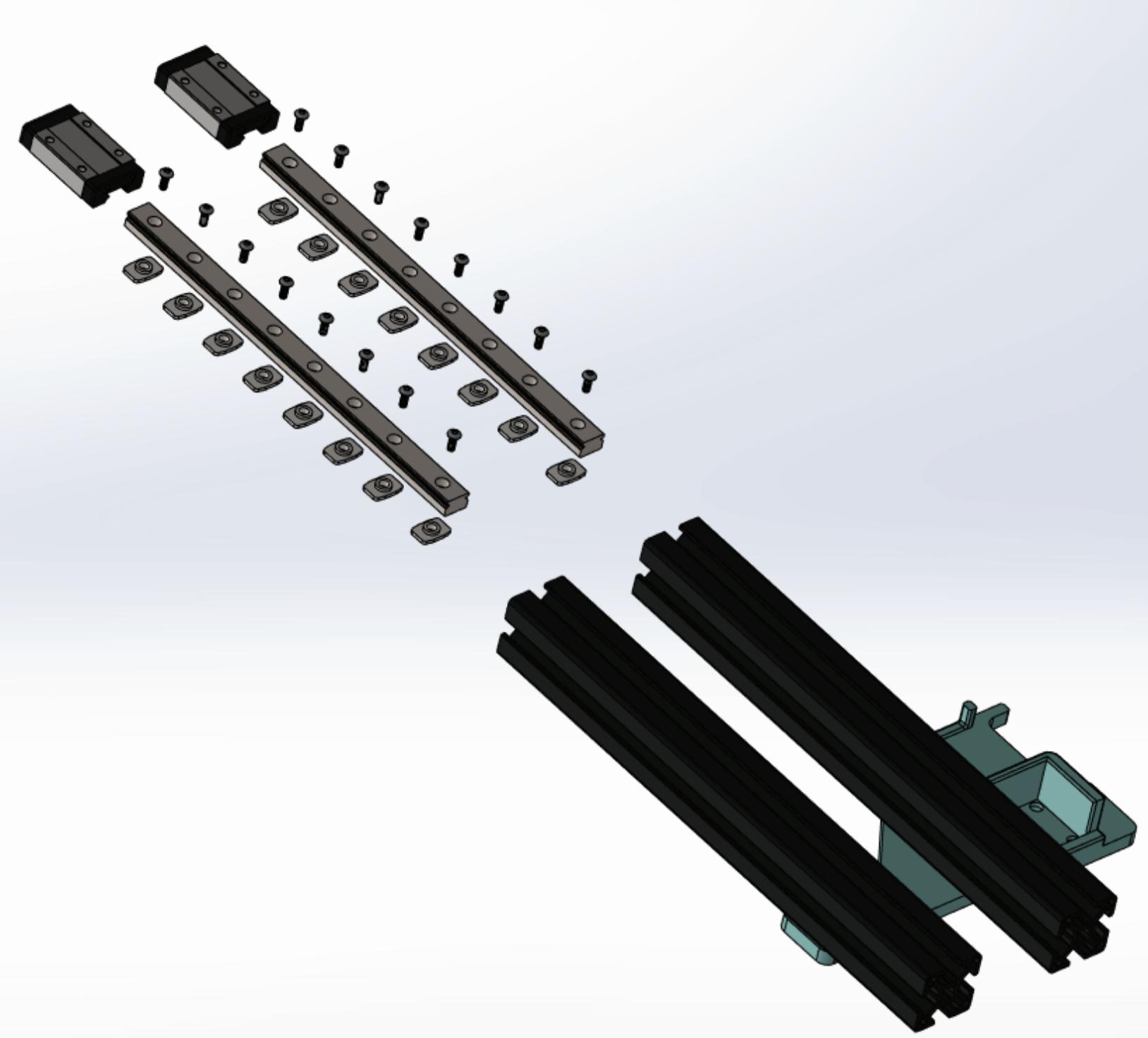
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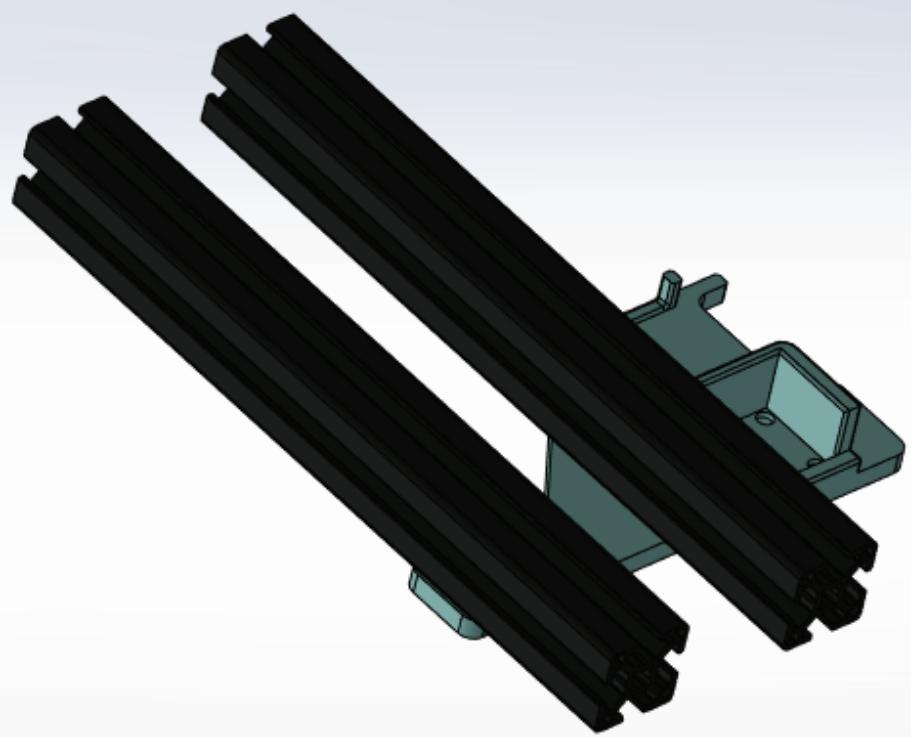
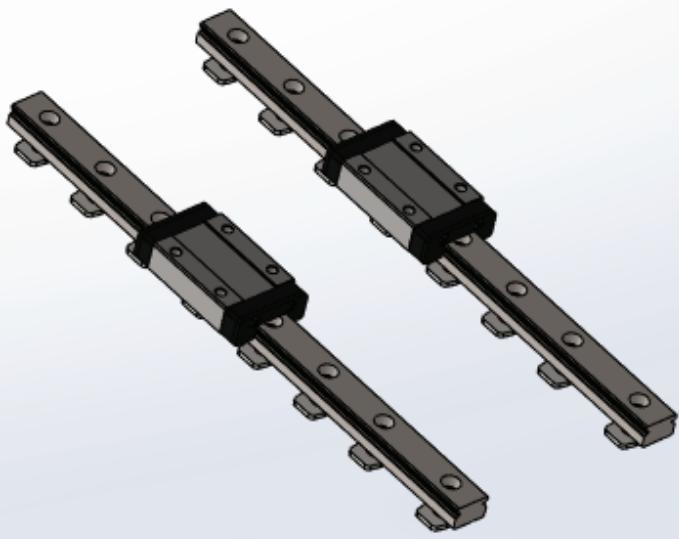
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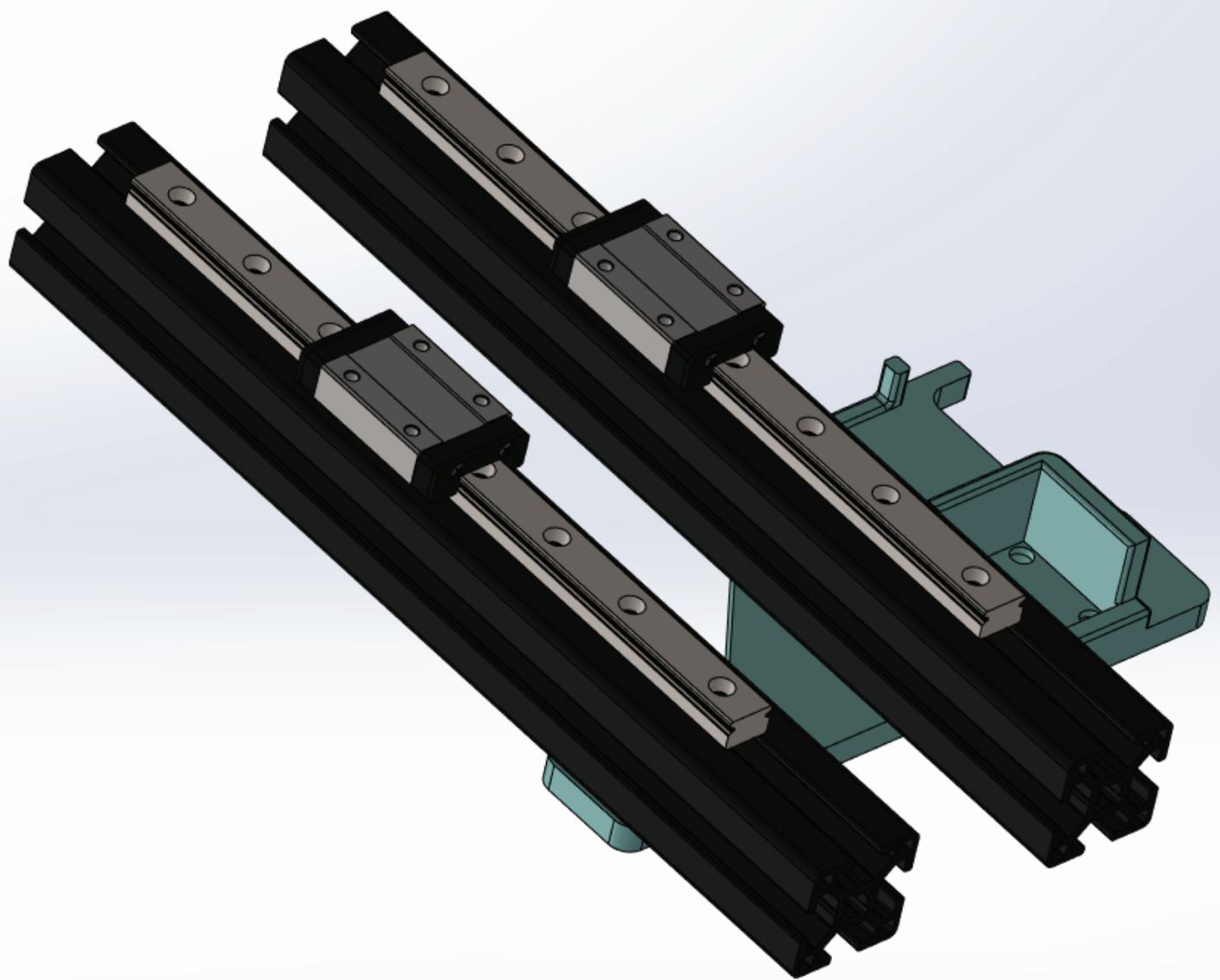
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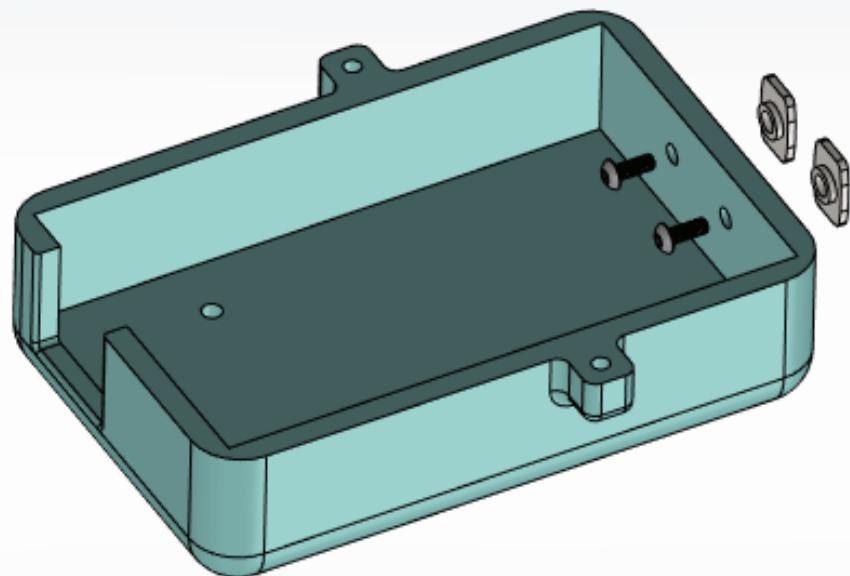
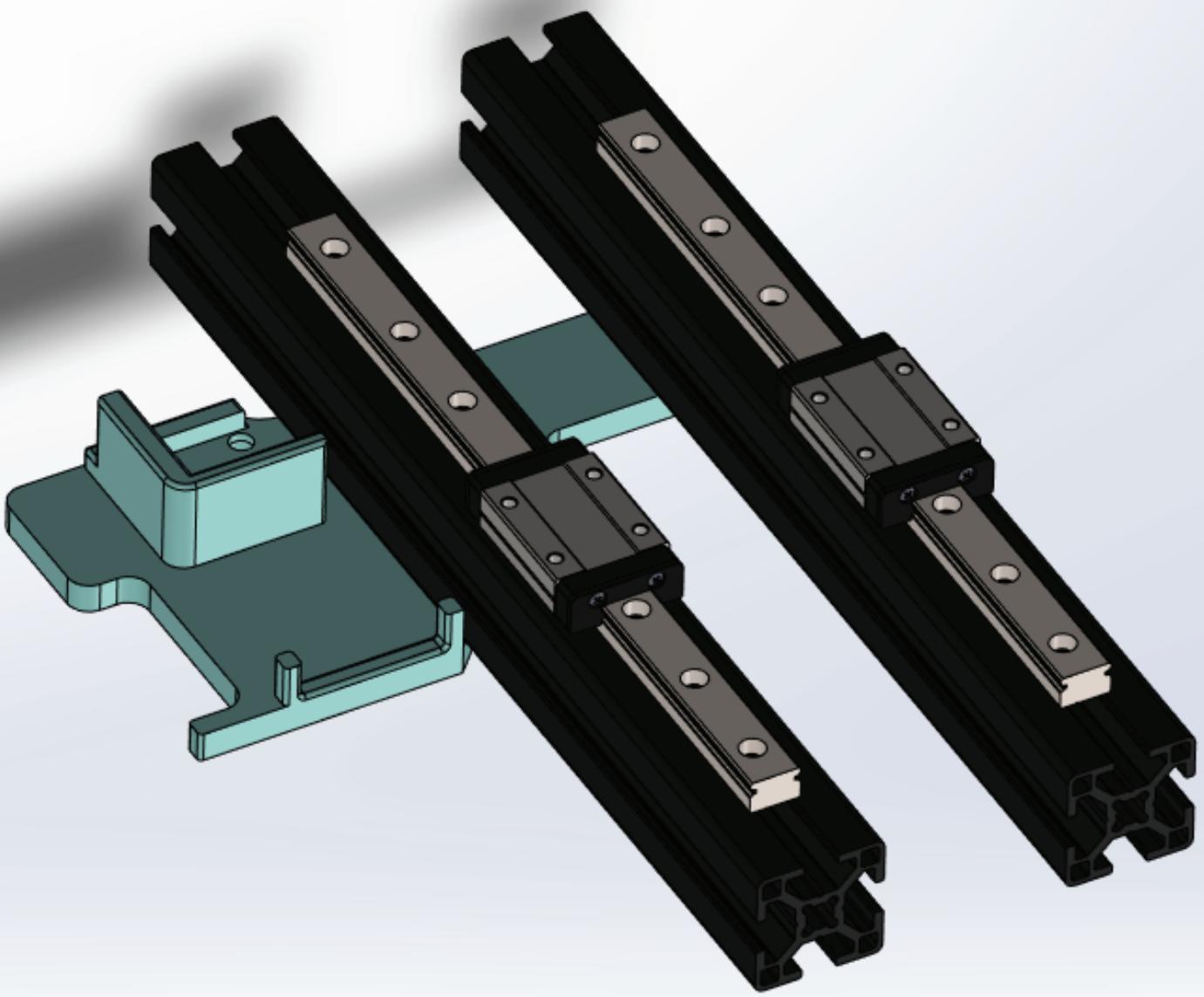
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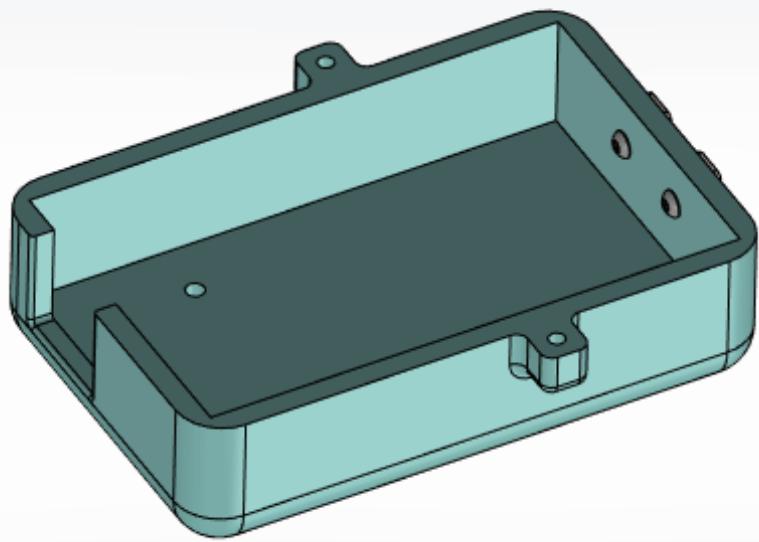
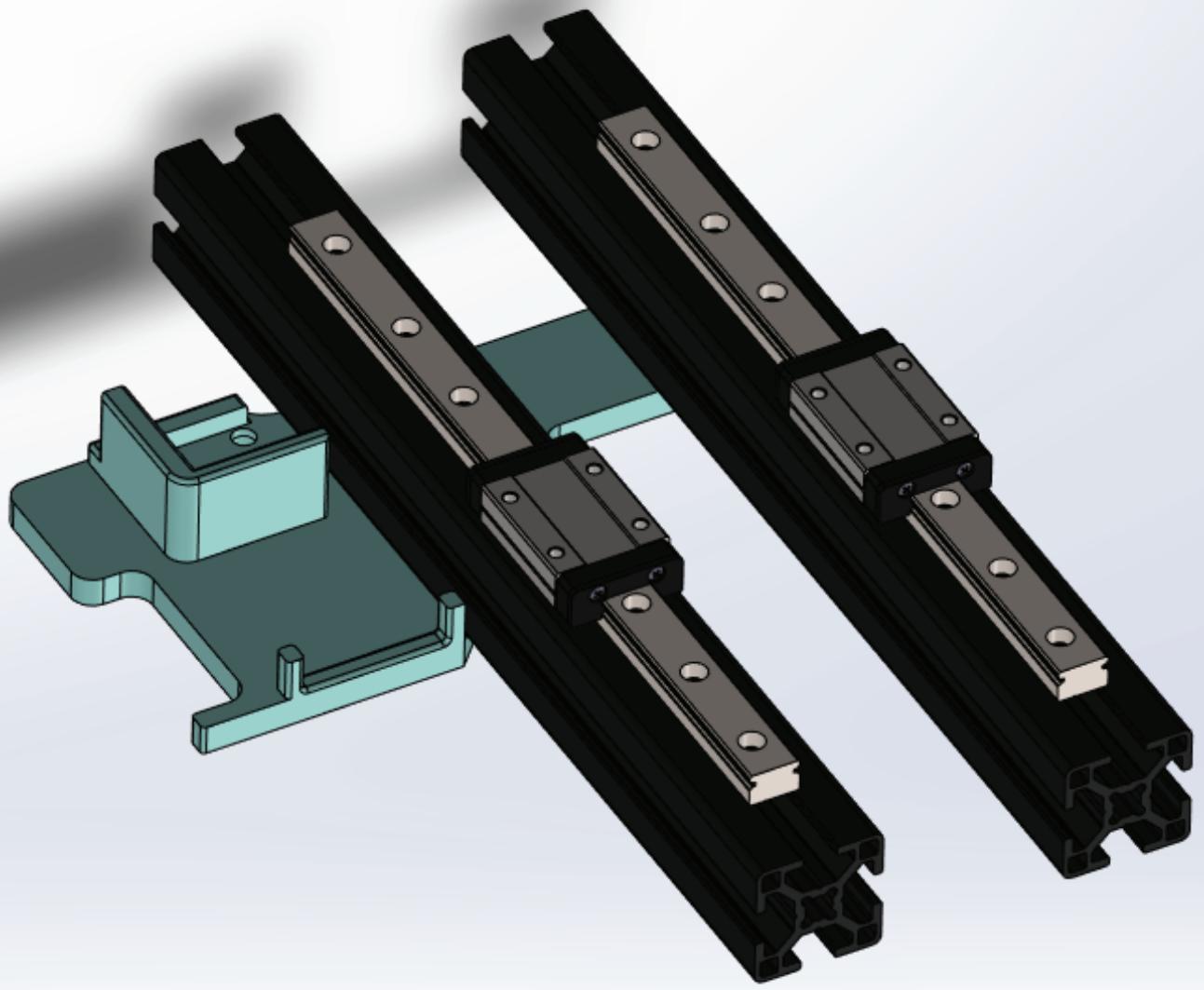
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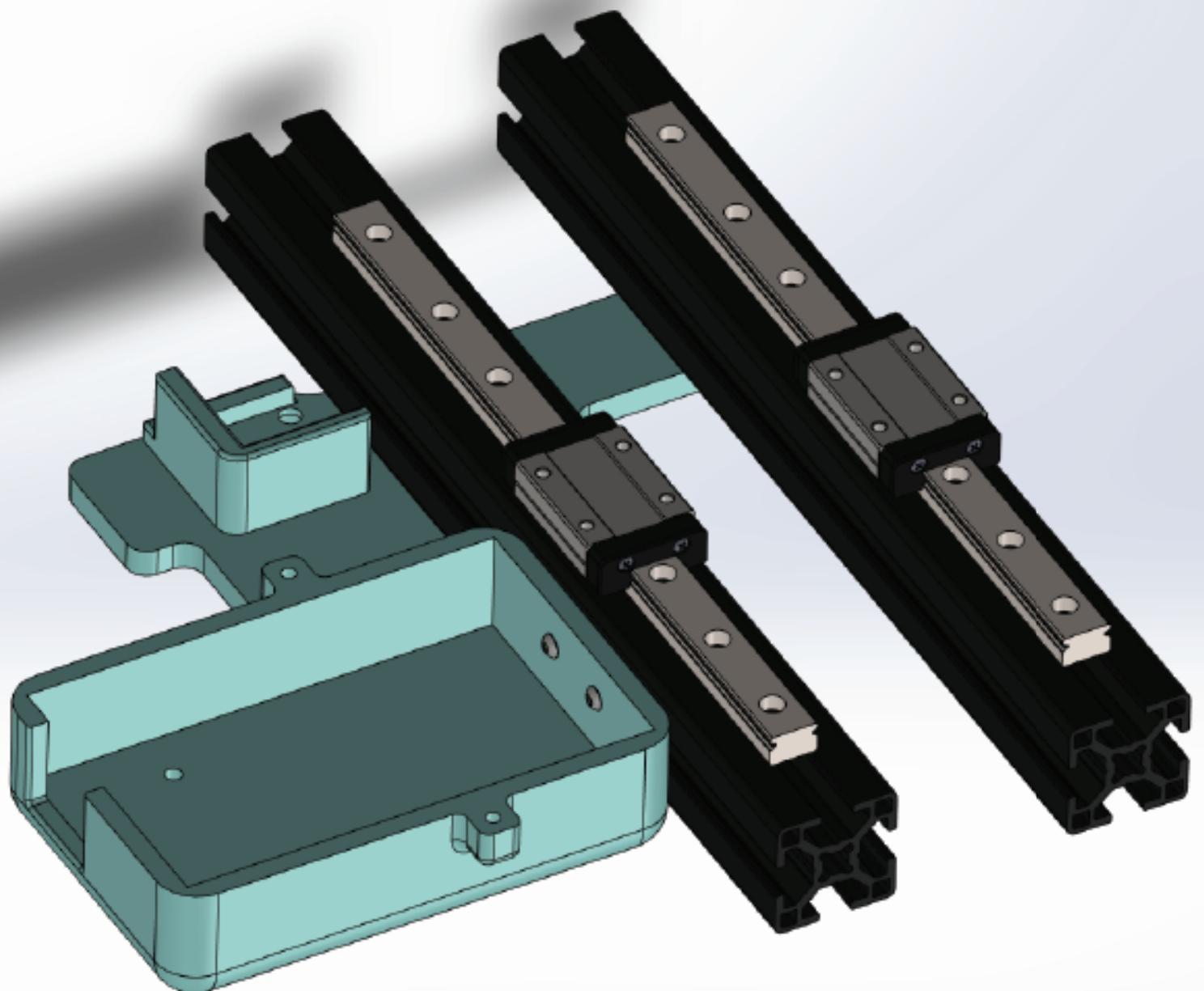
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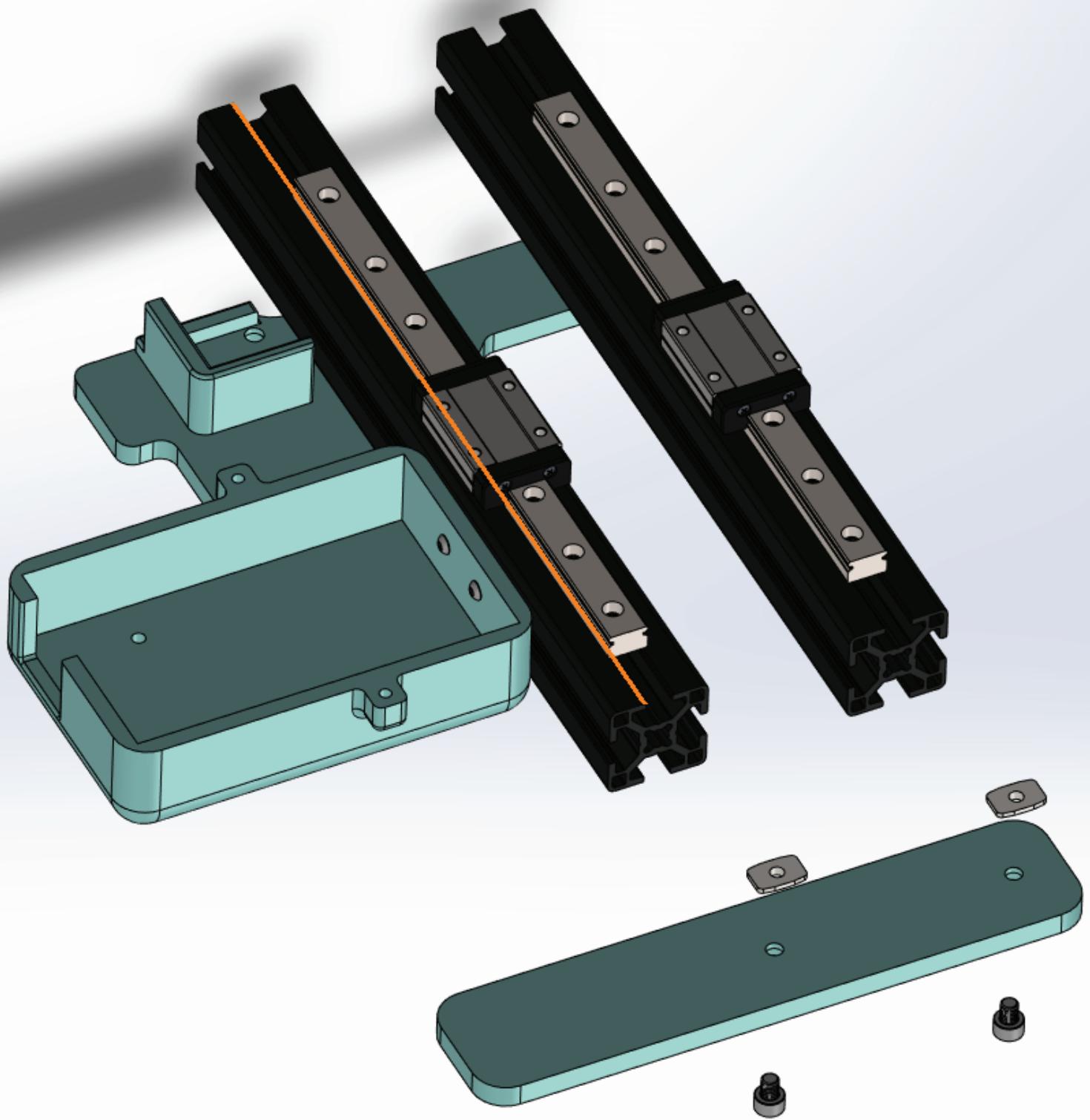
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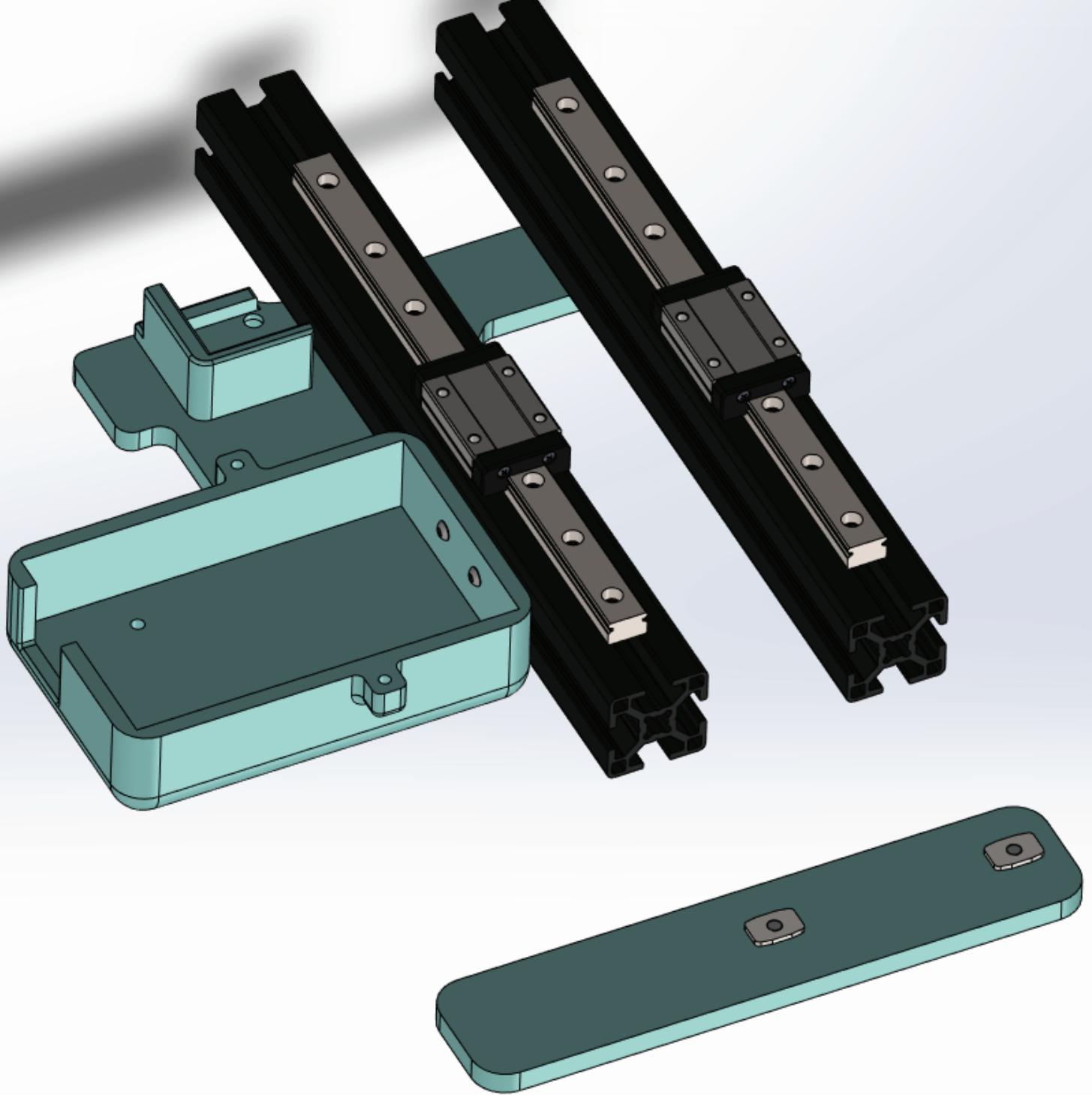
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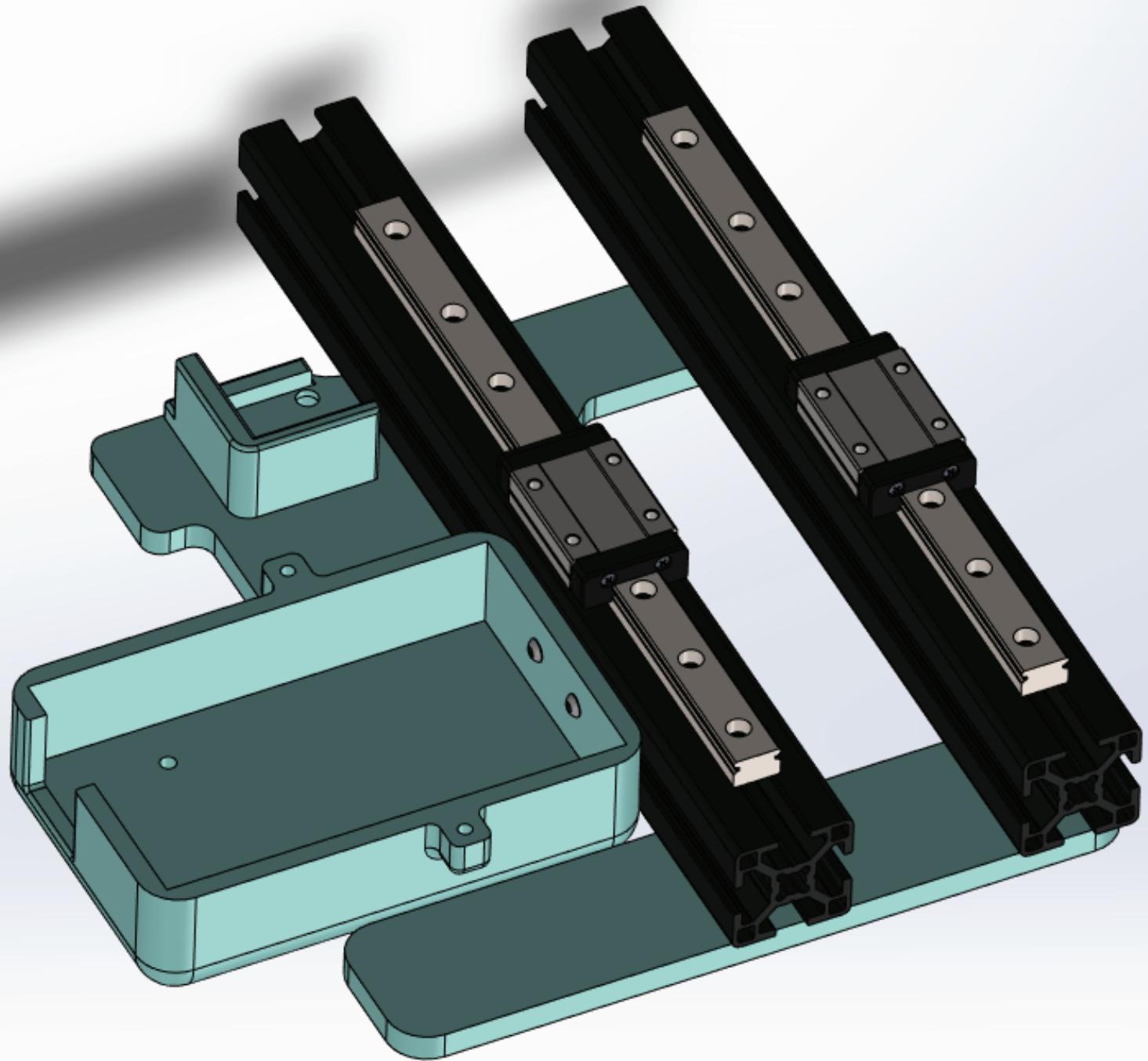
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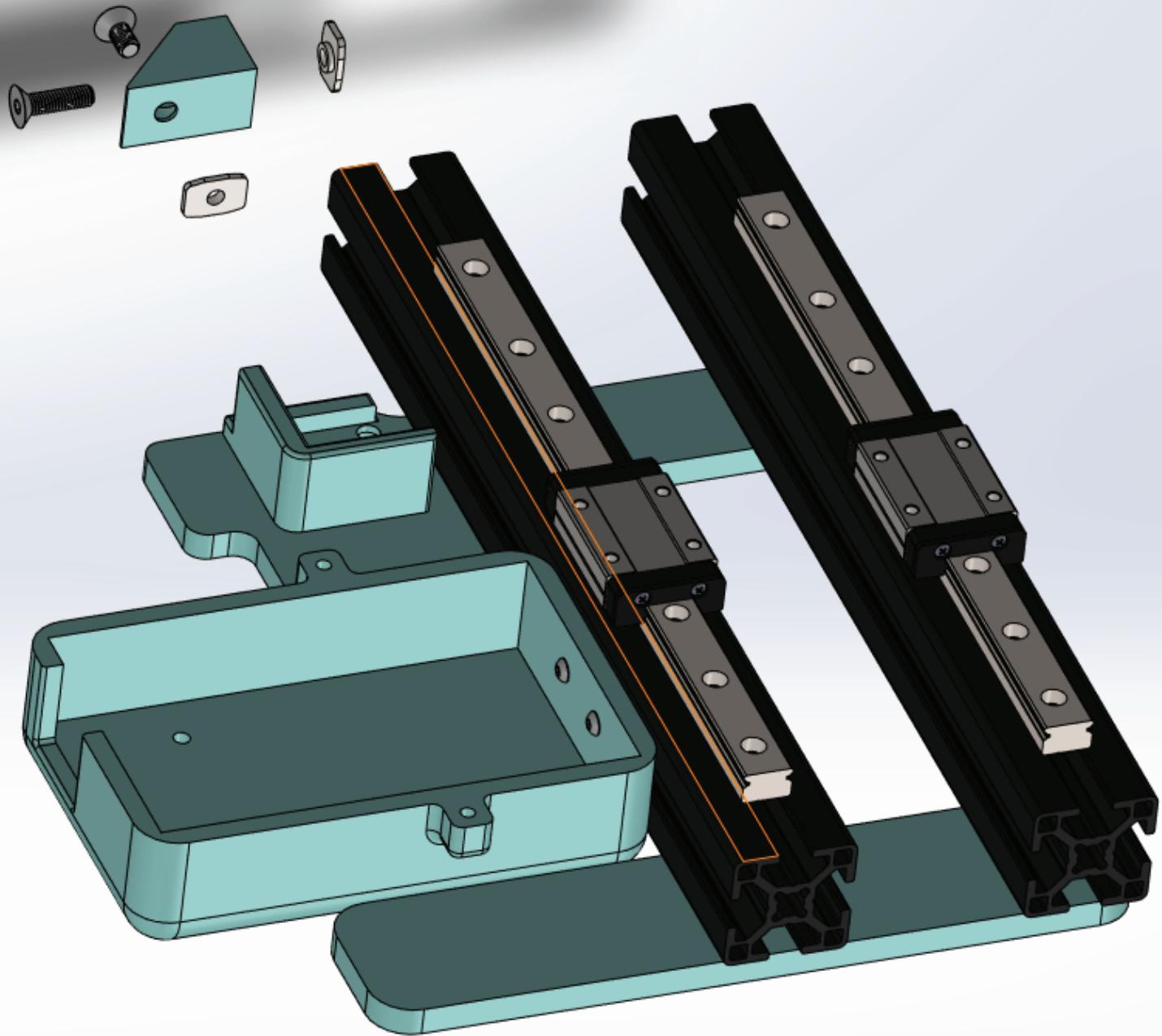
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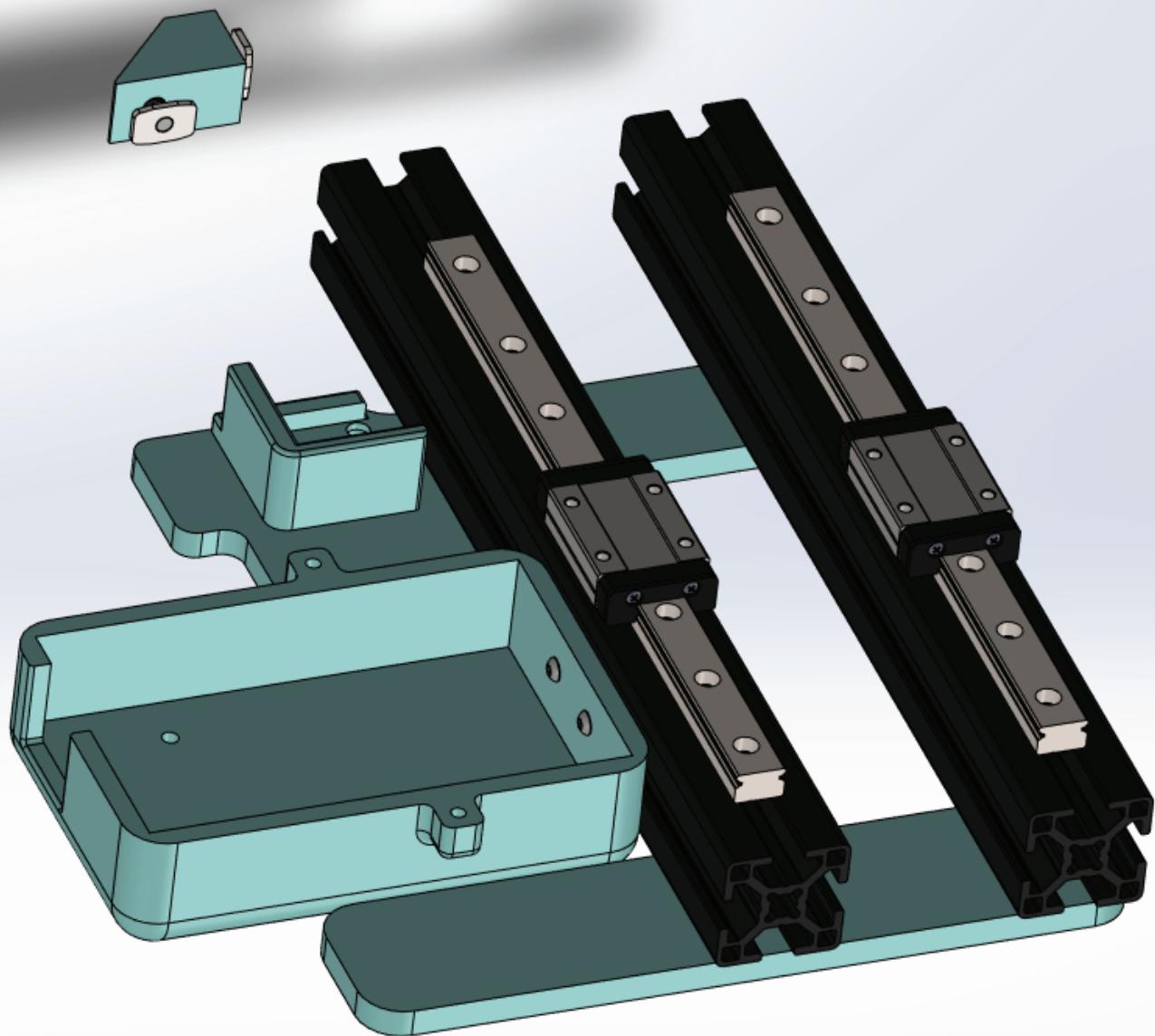
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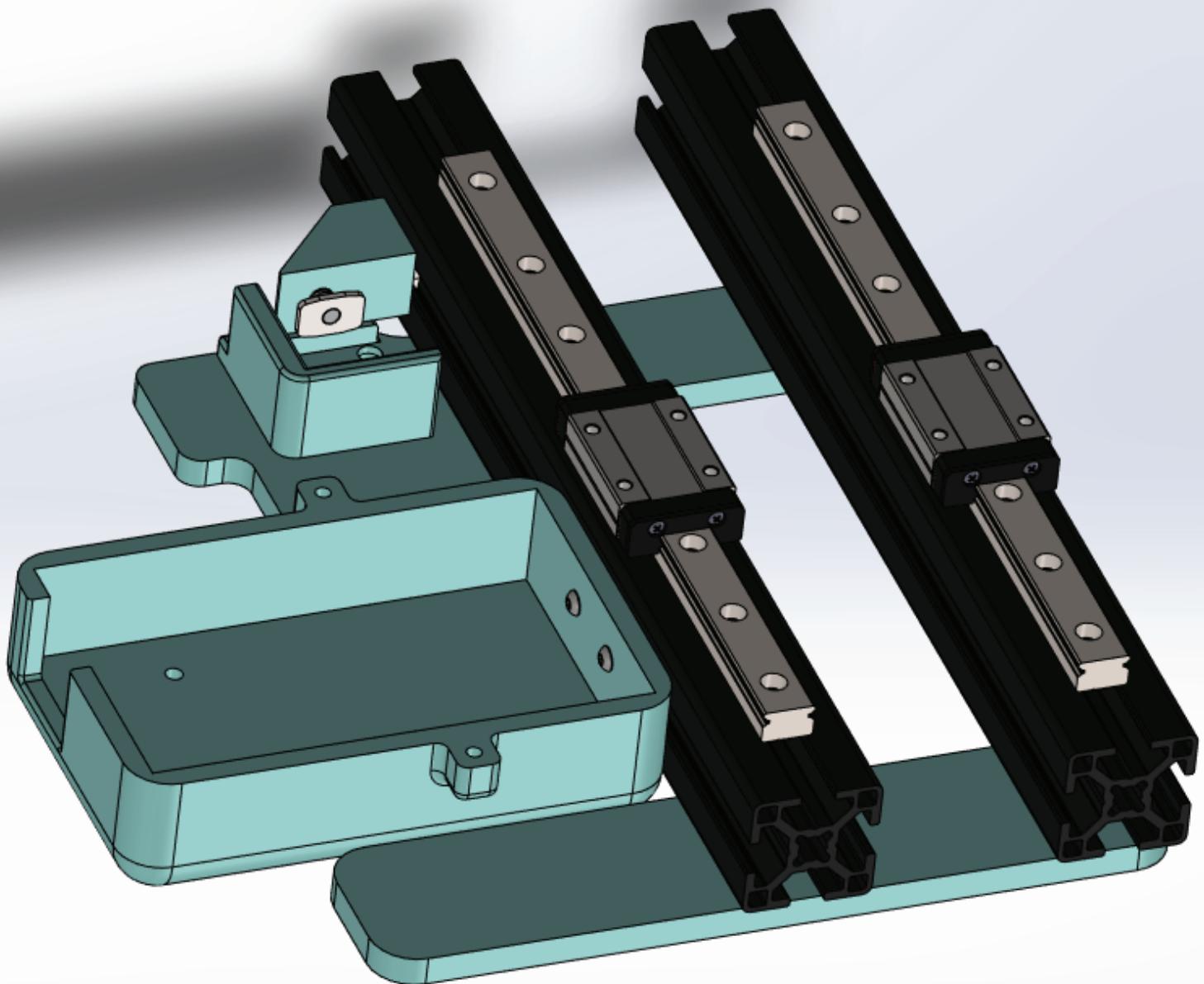
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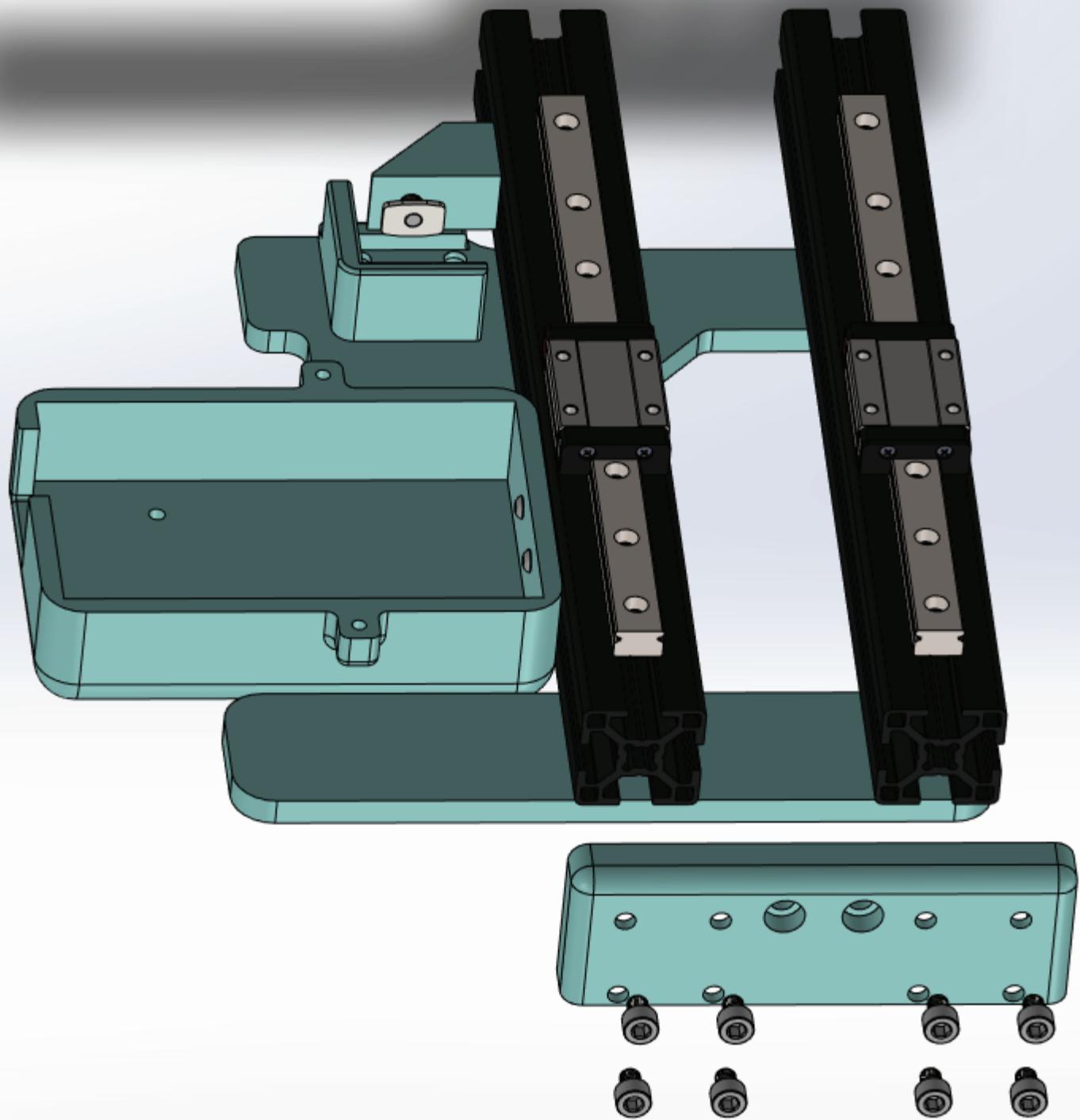
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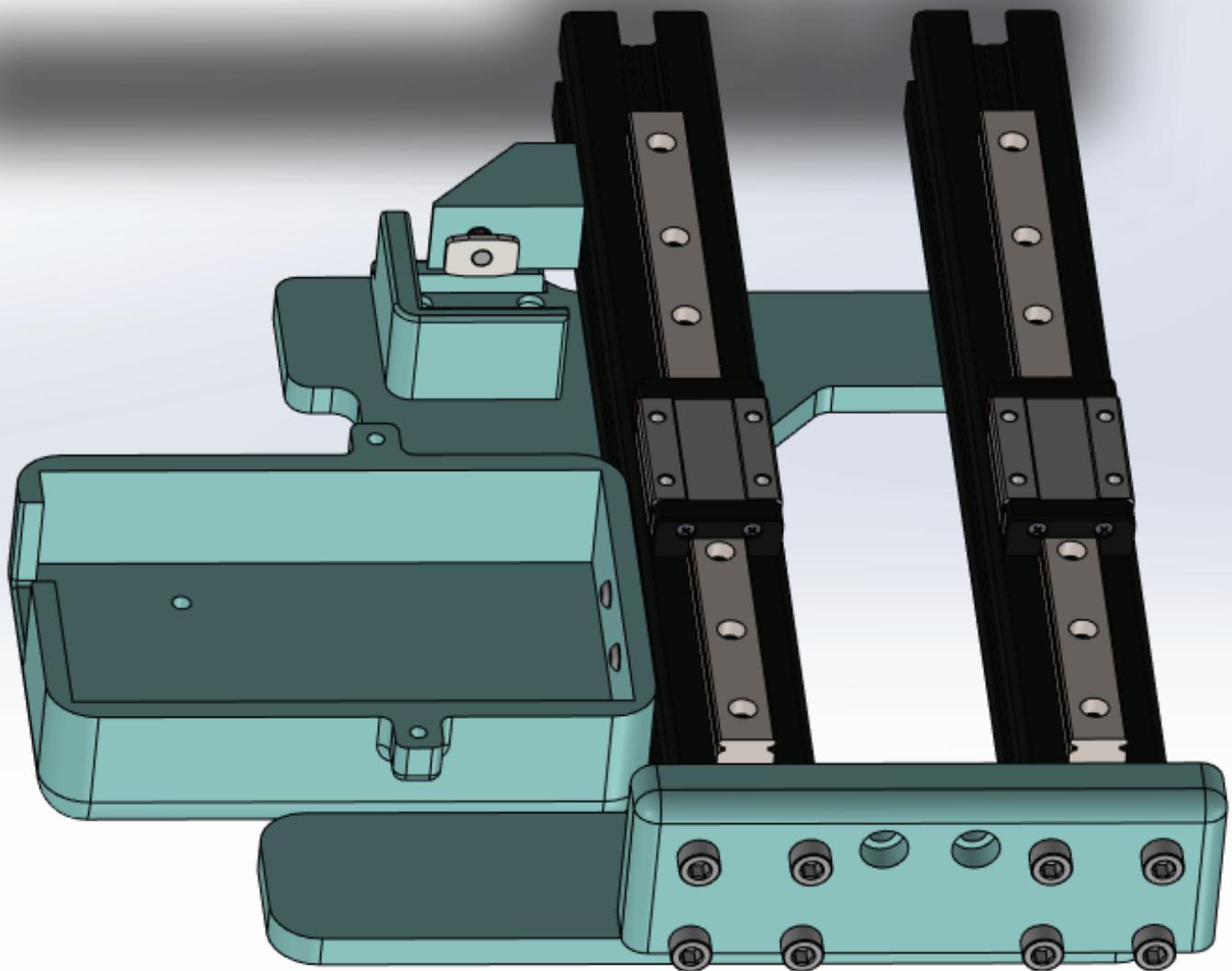
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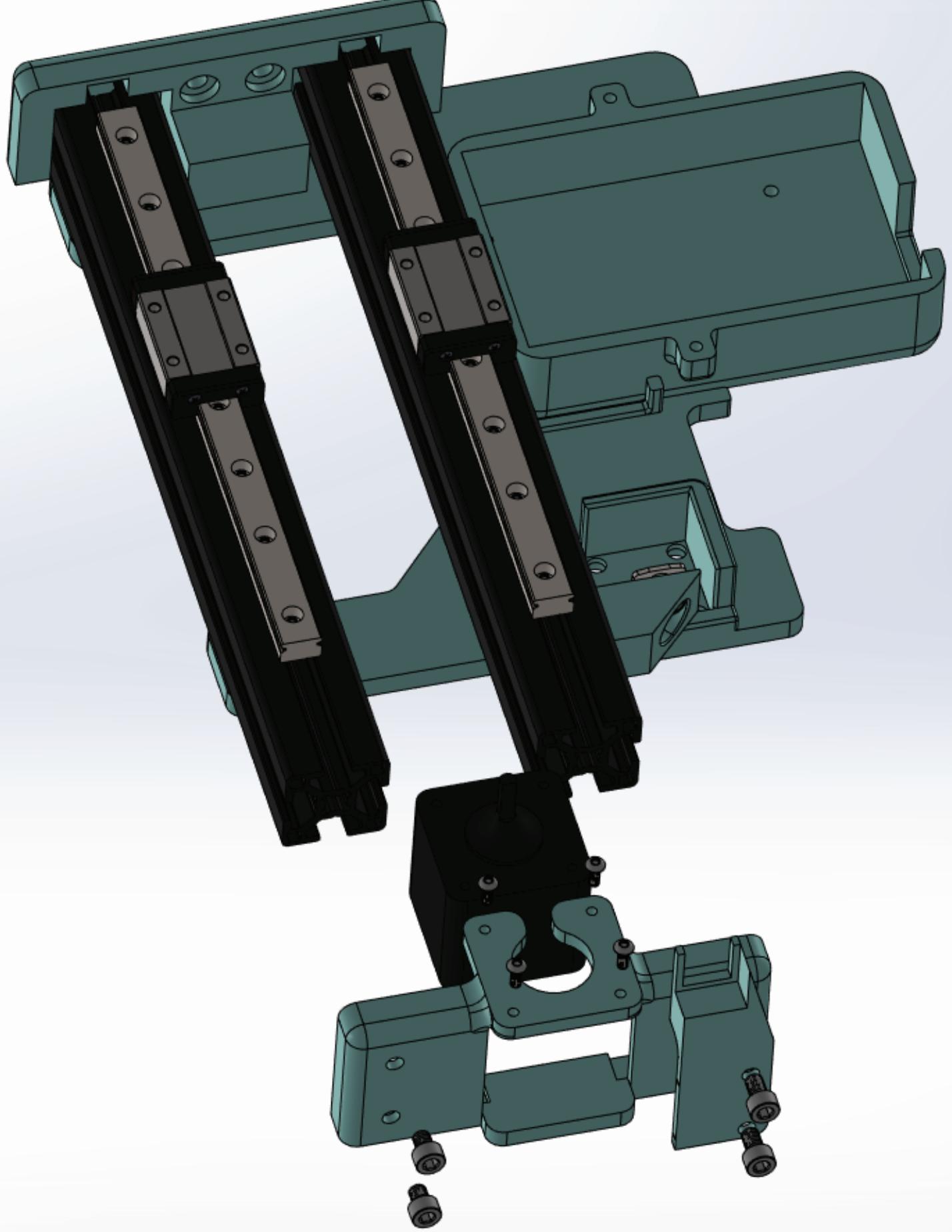
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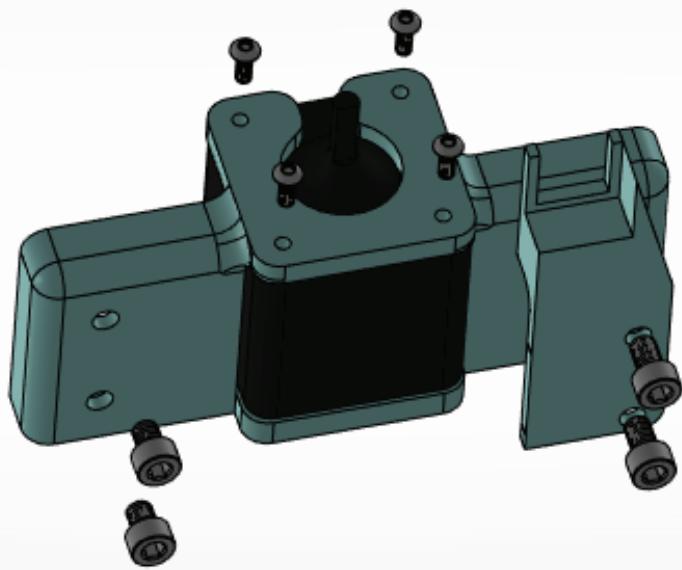
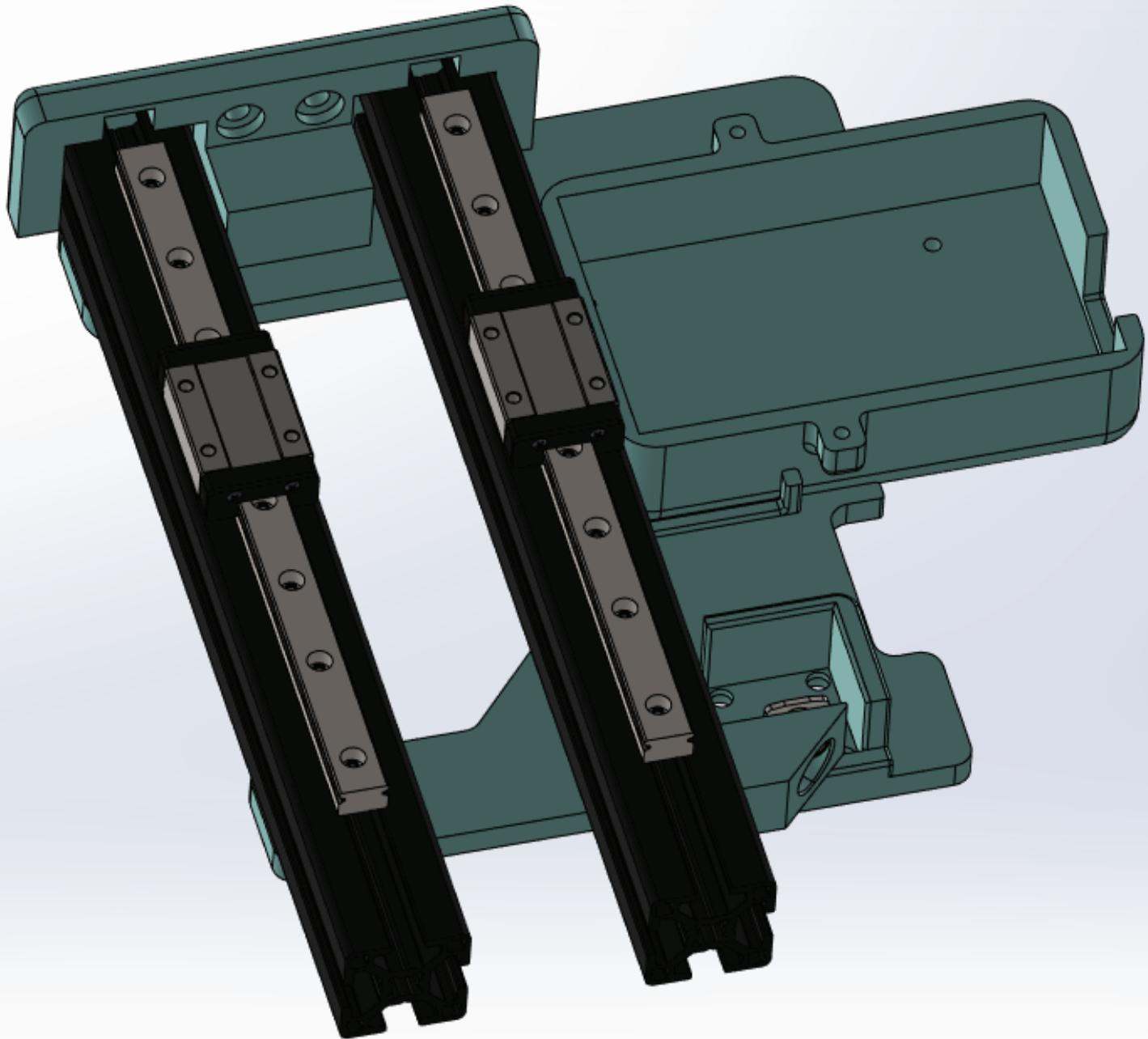
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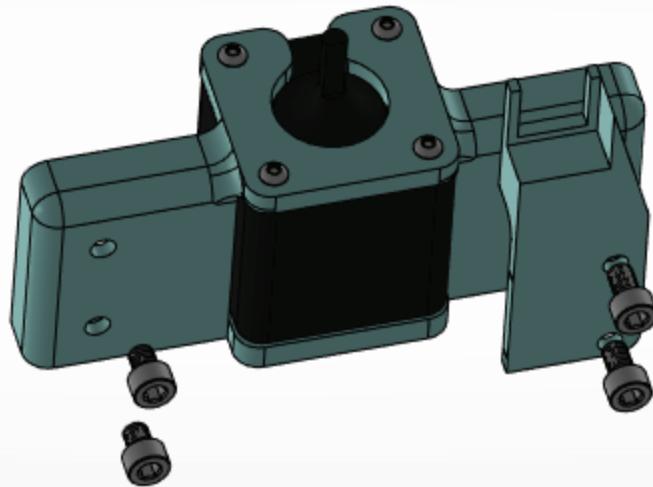
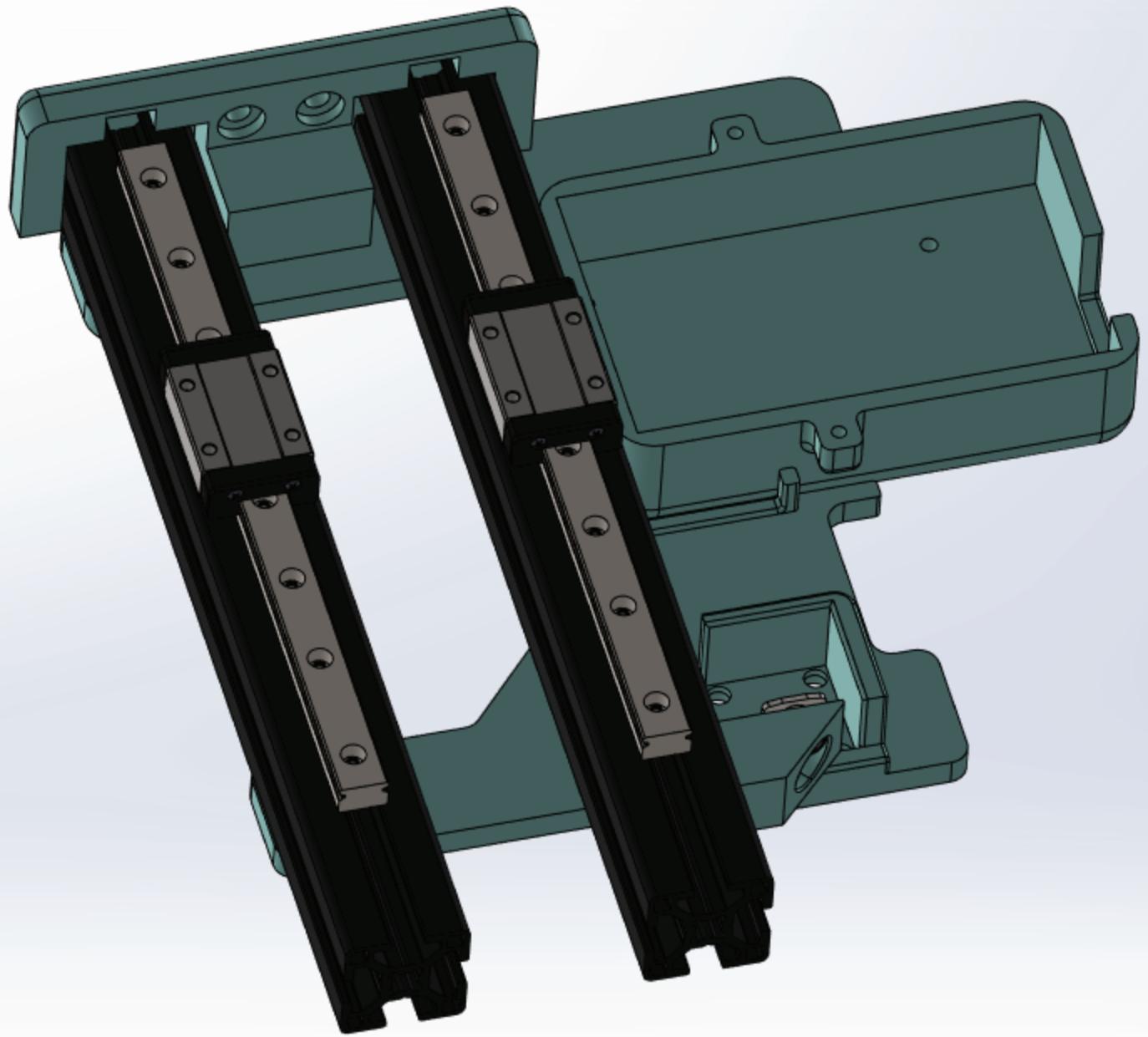
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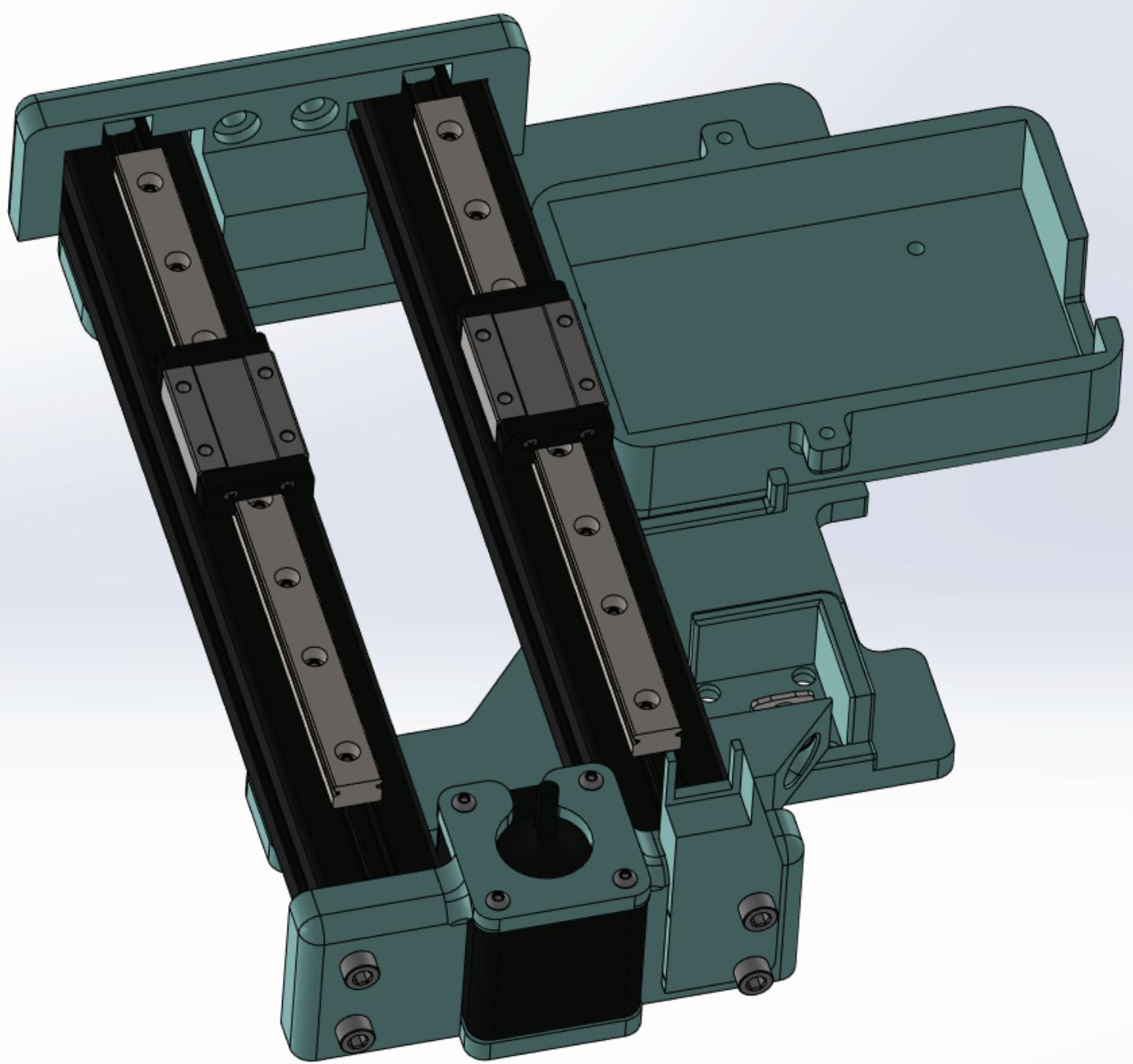
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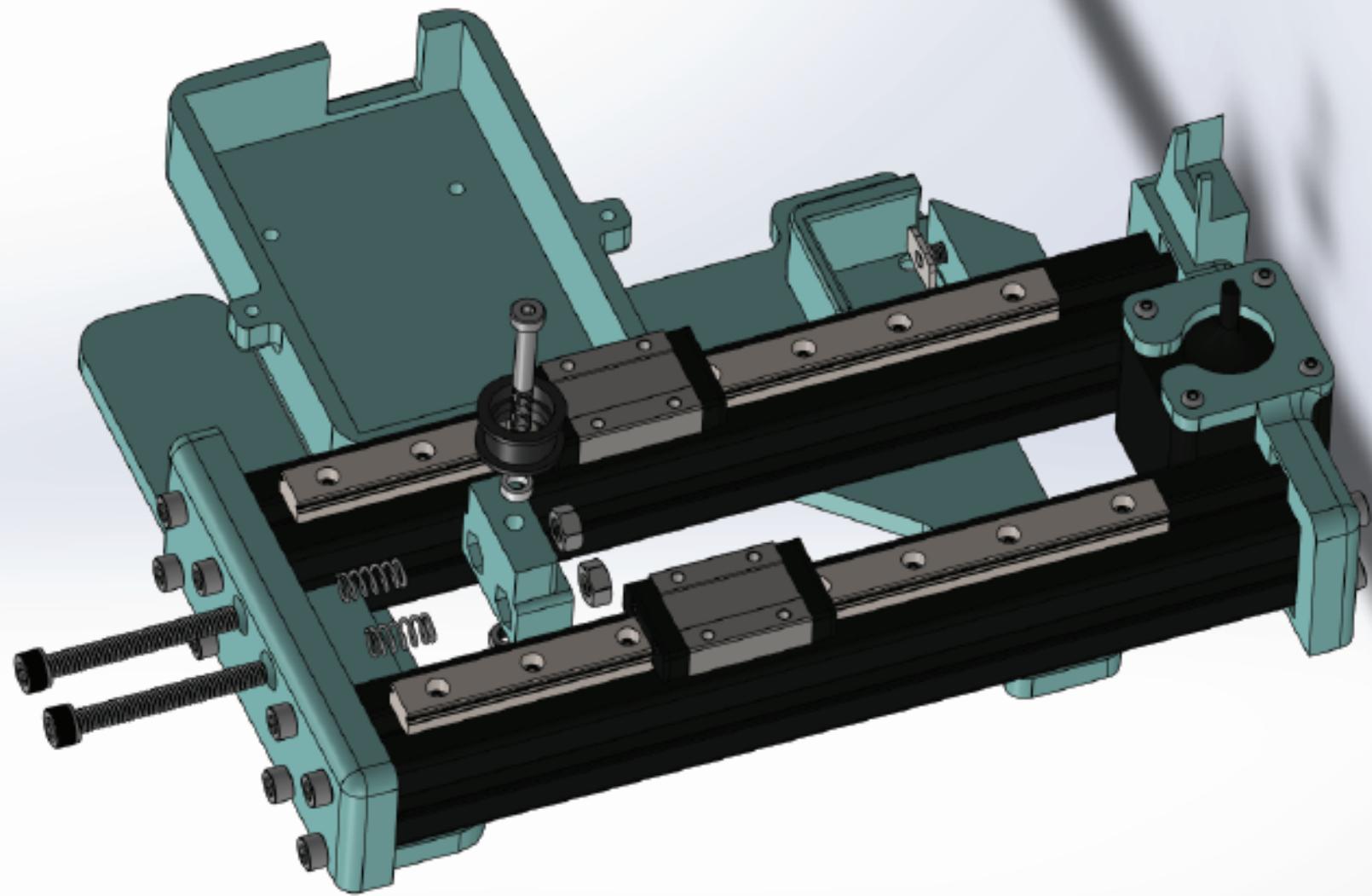
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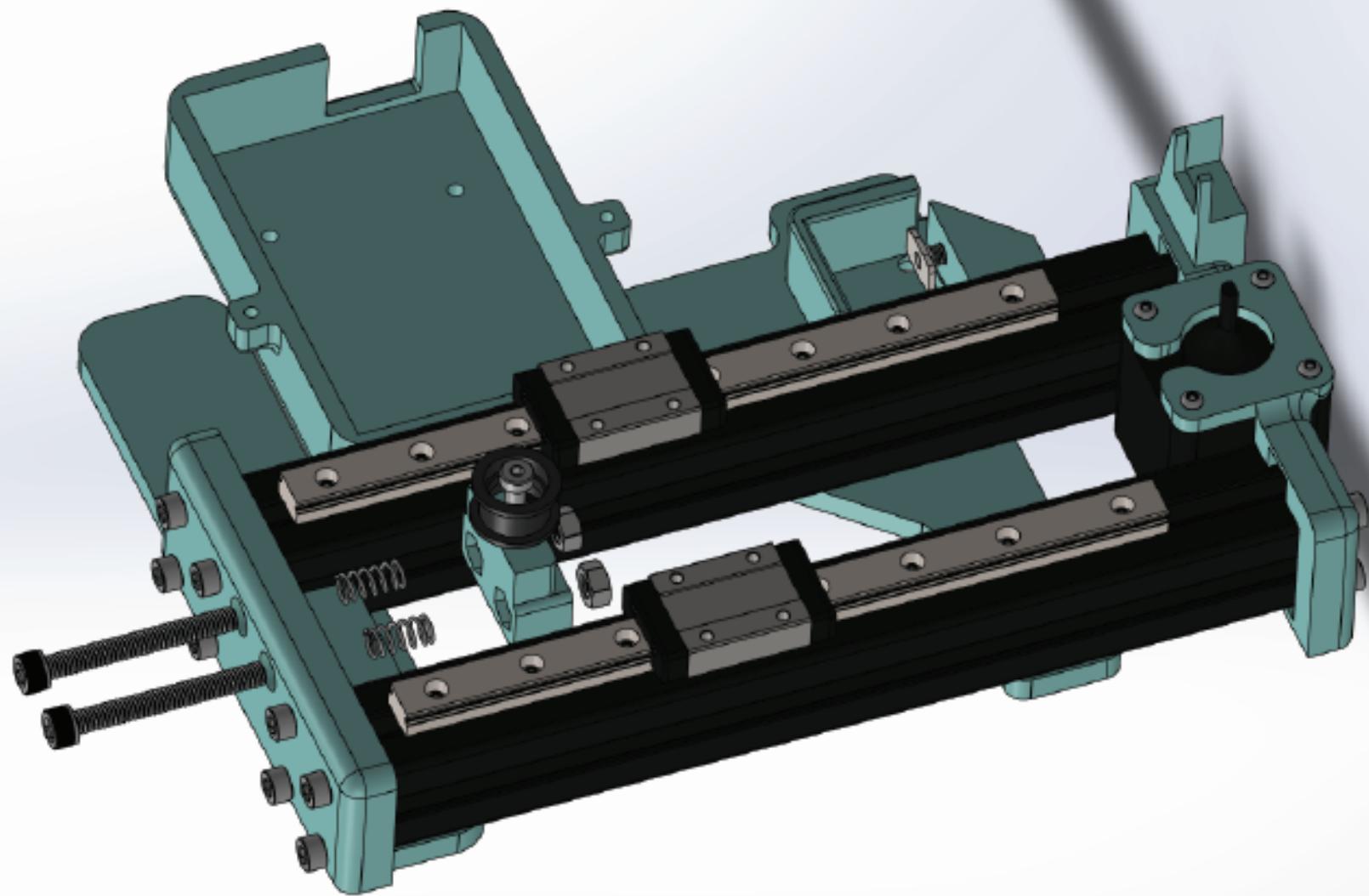
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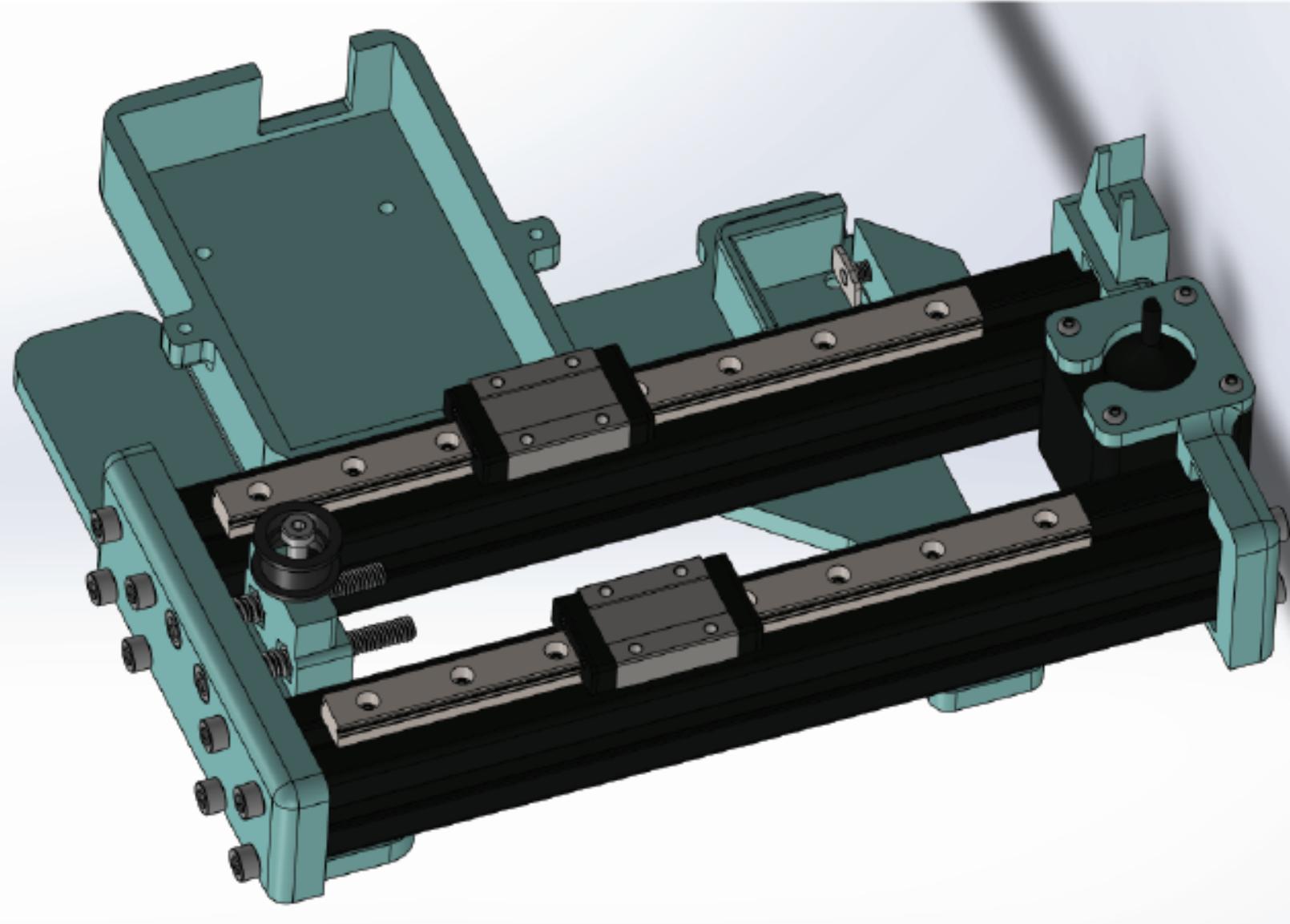
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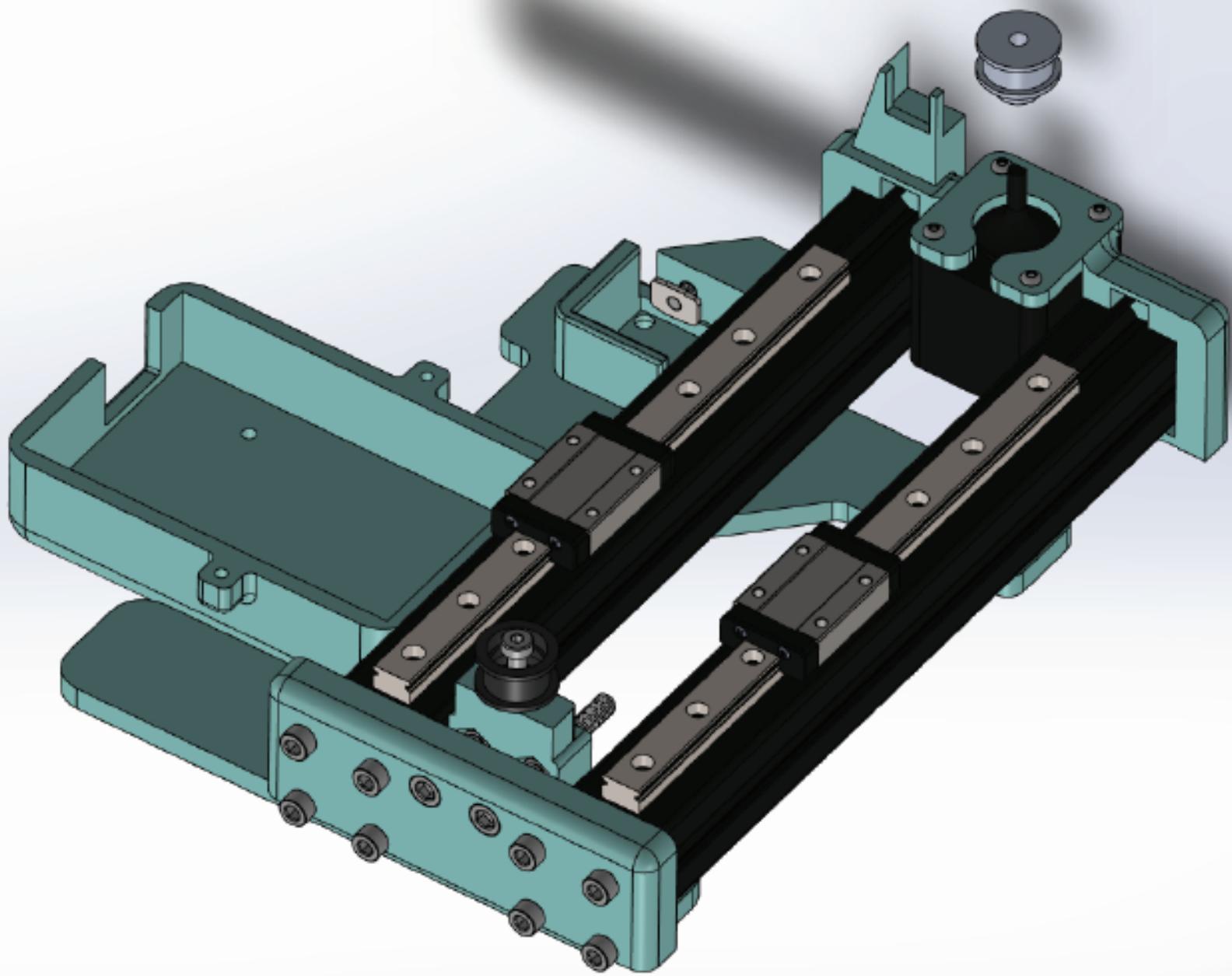
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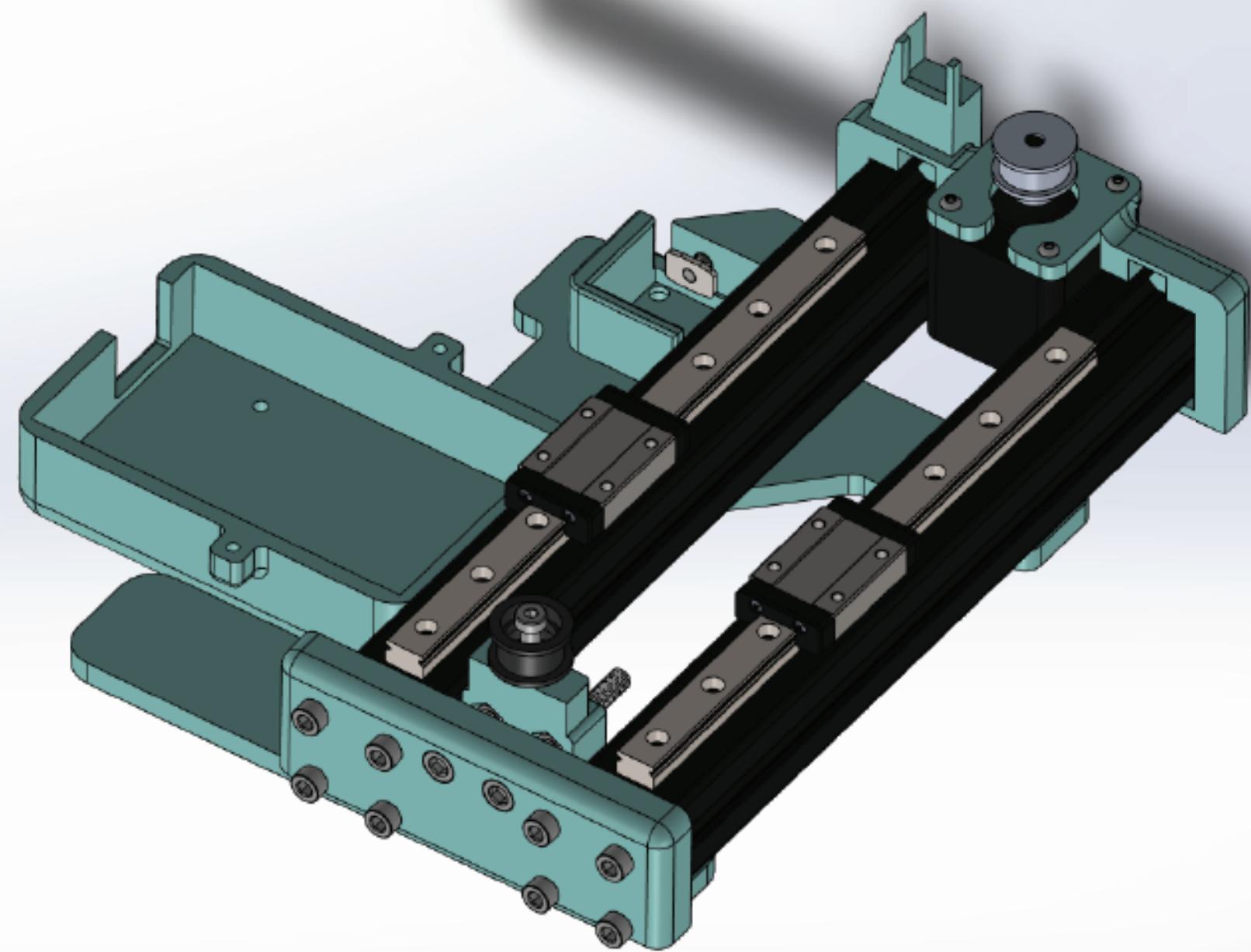
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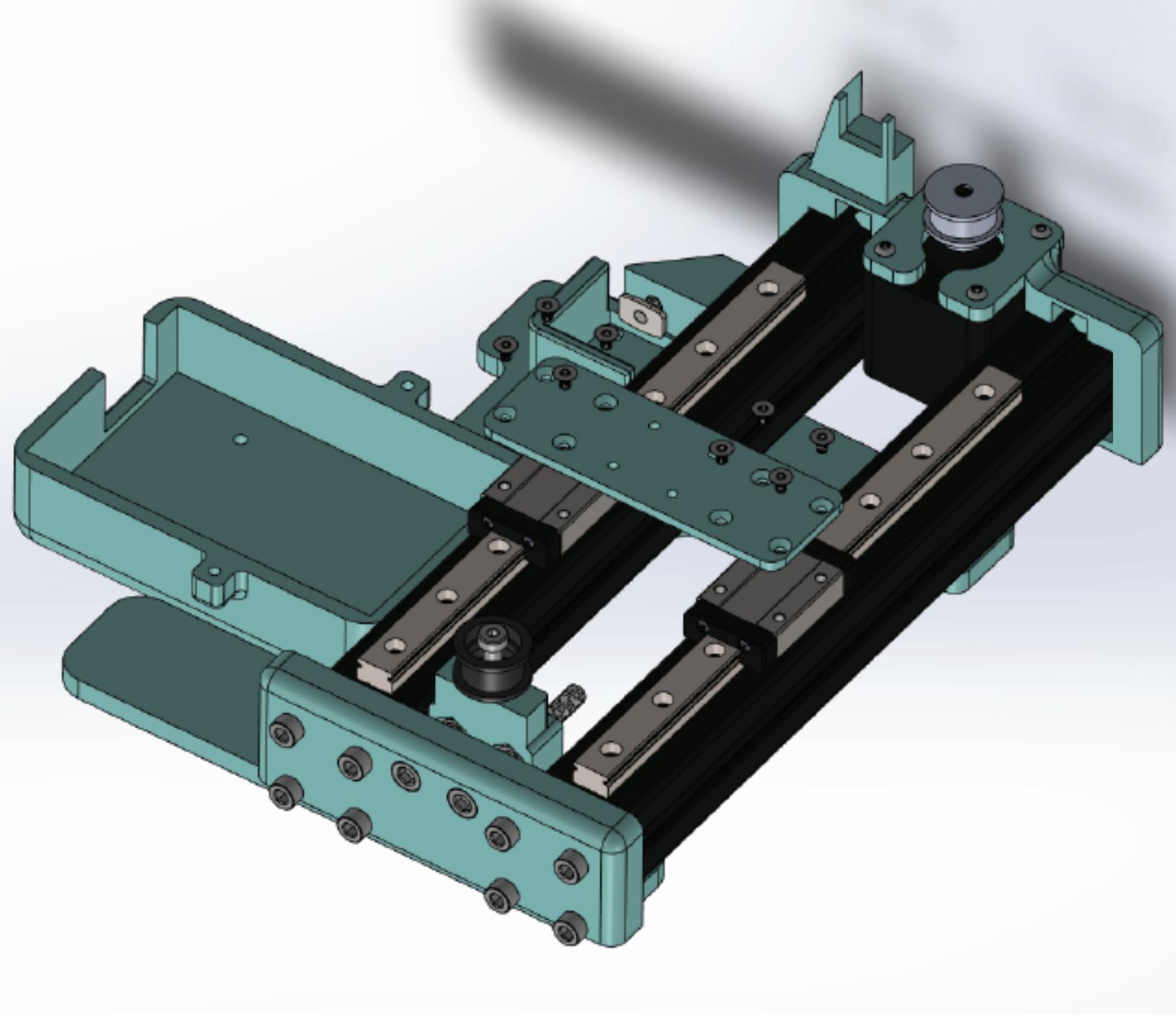
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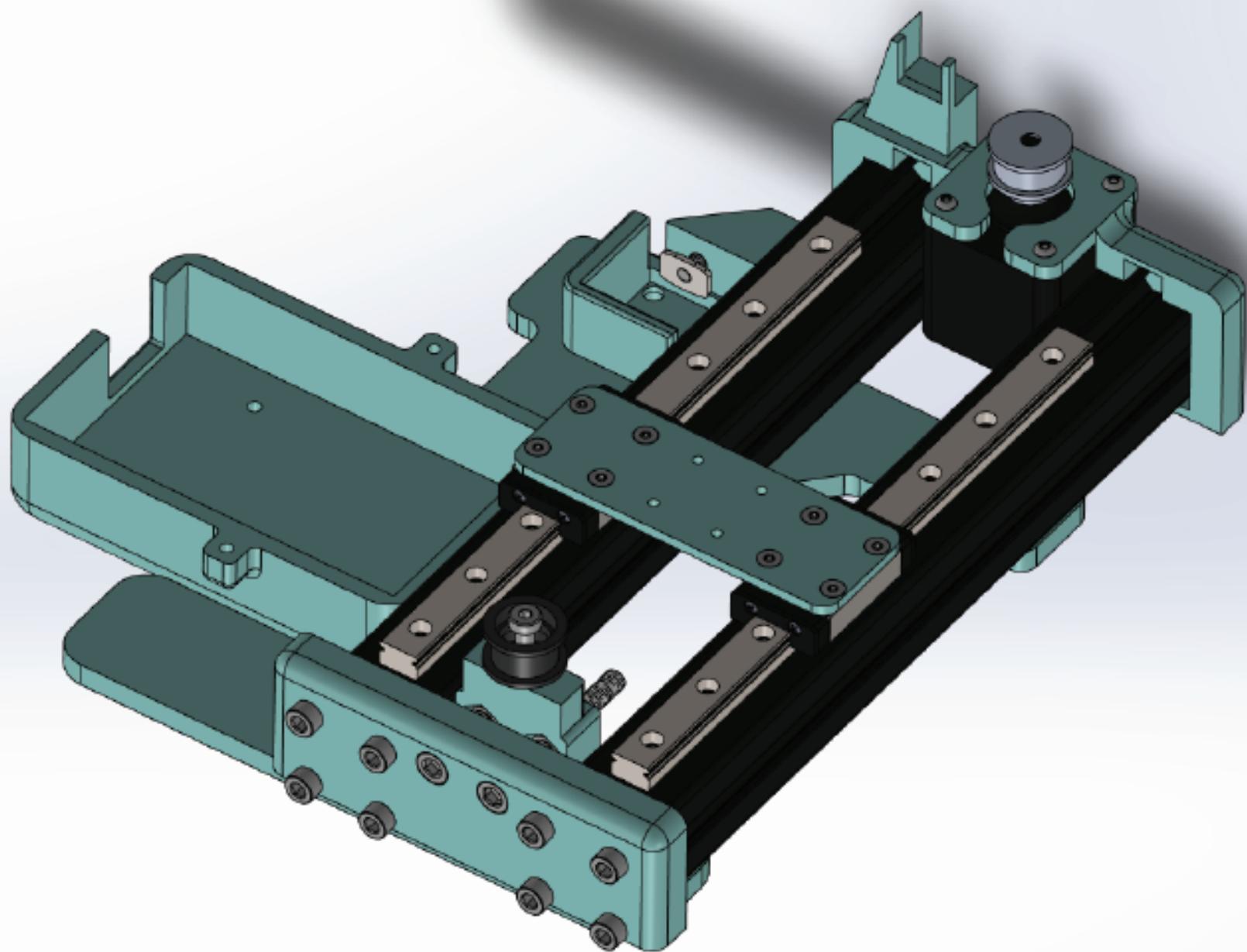
1x HW12



1x HW12

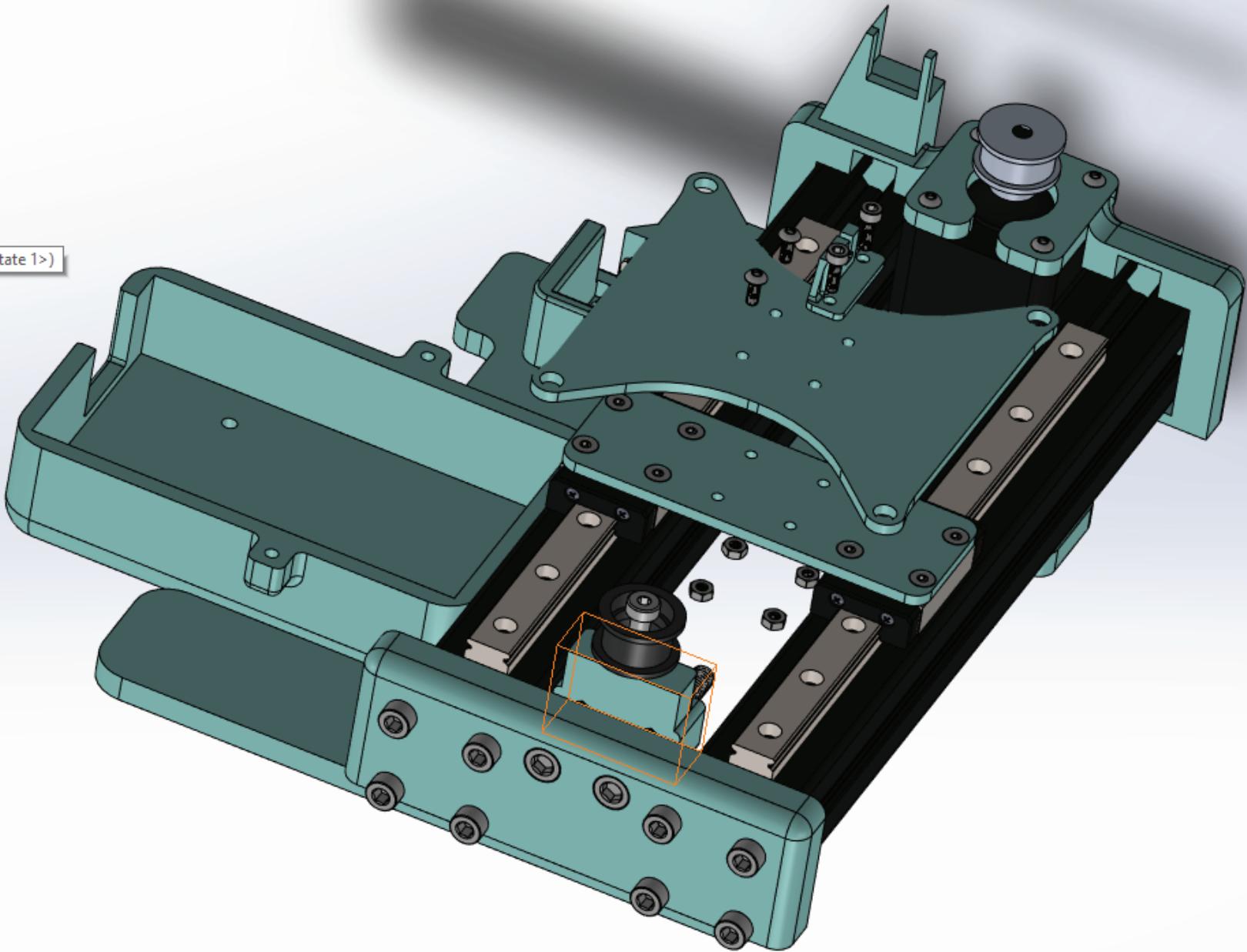


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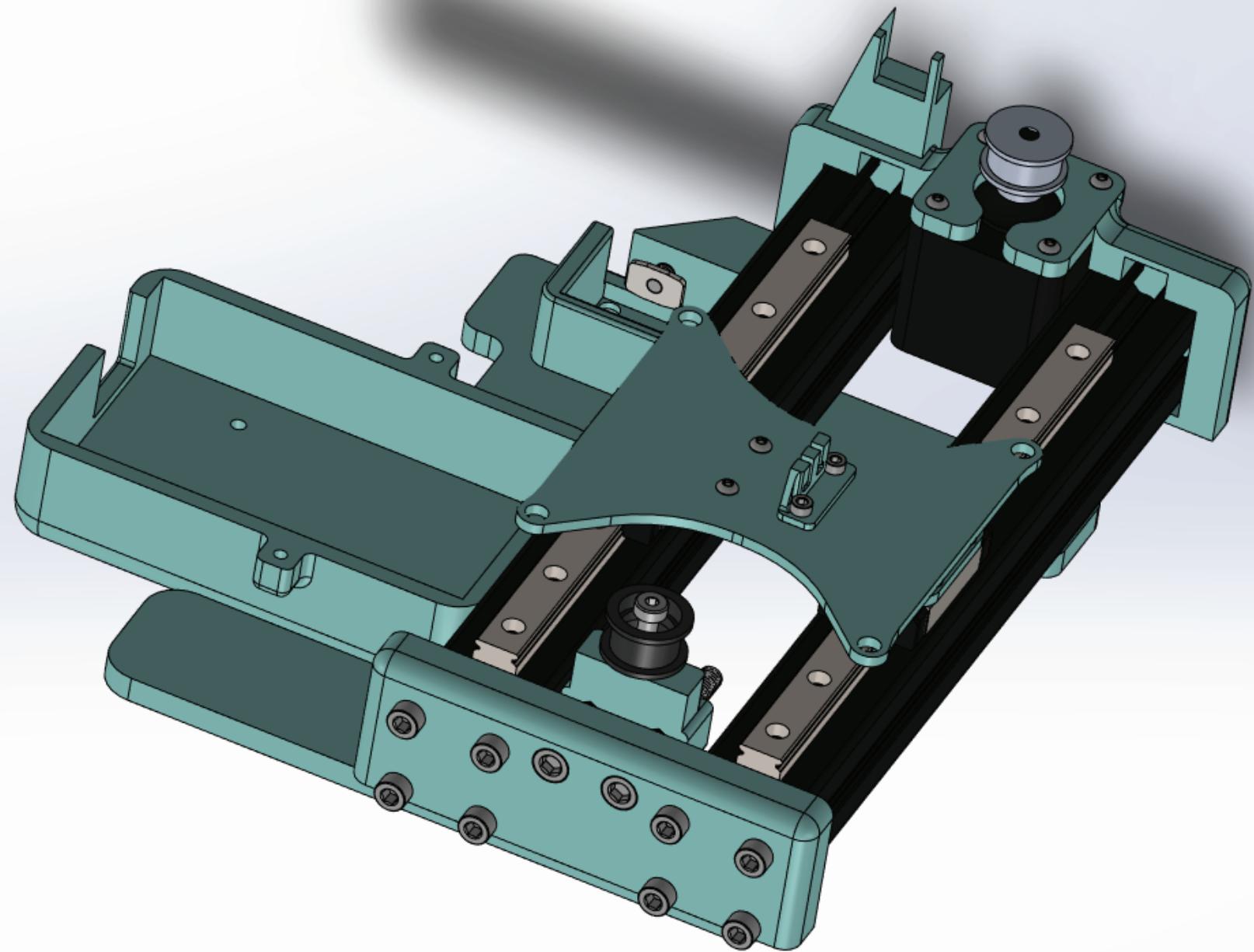


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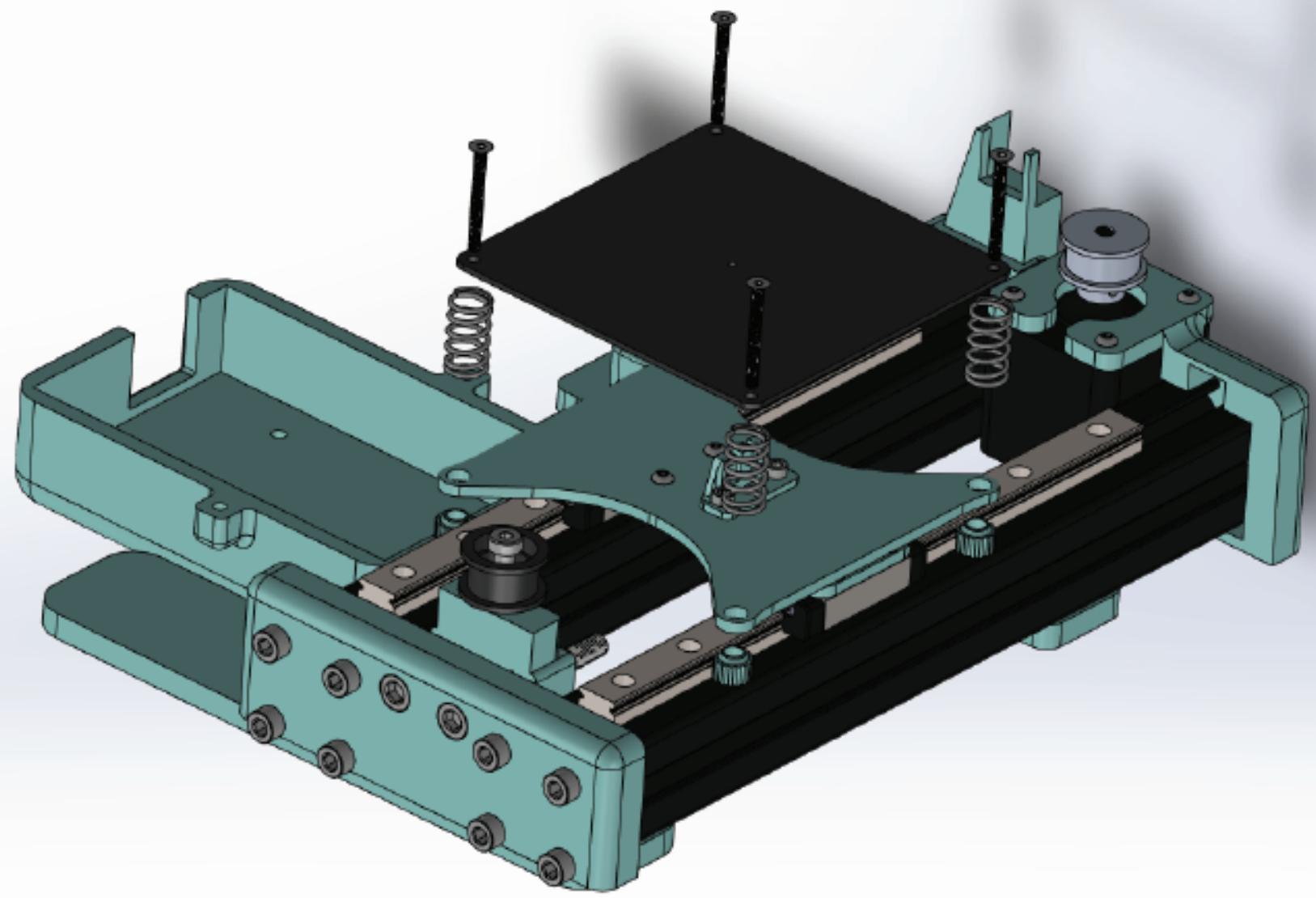
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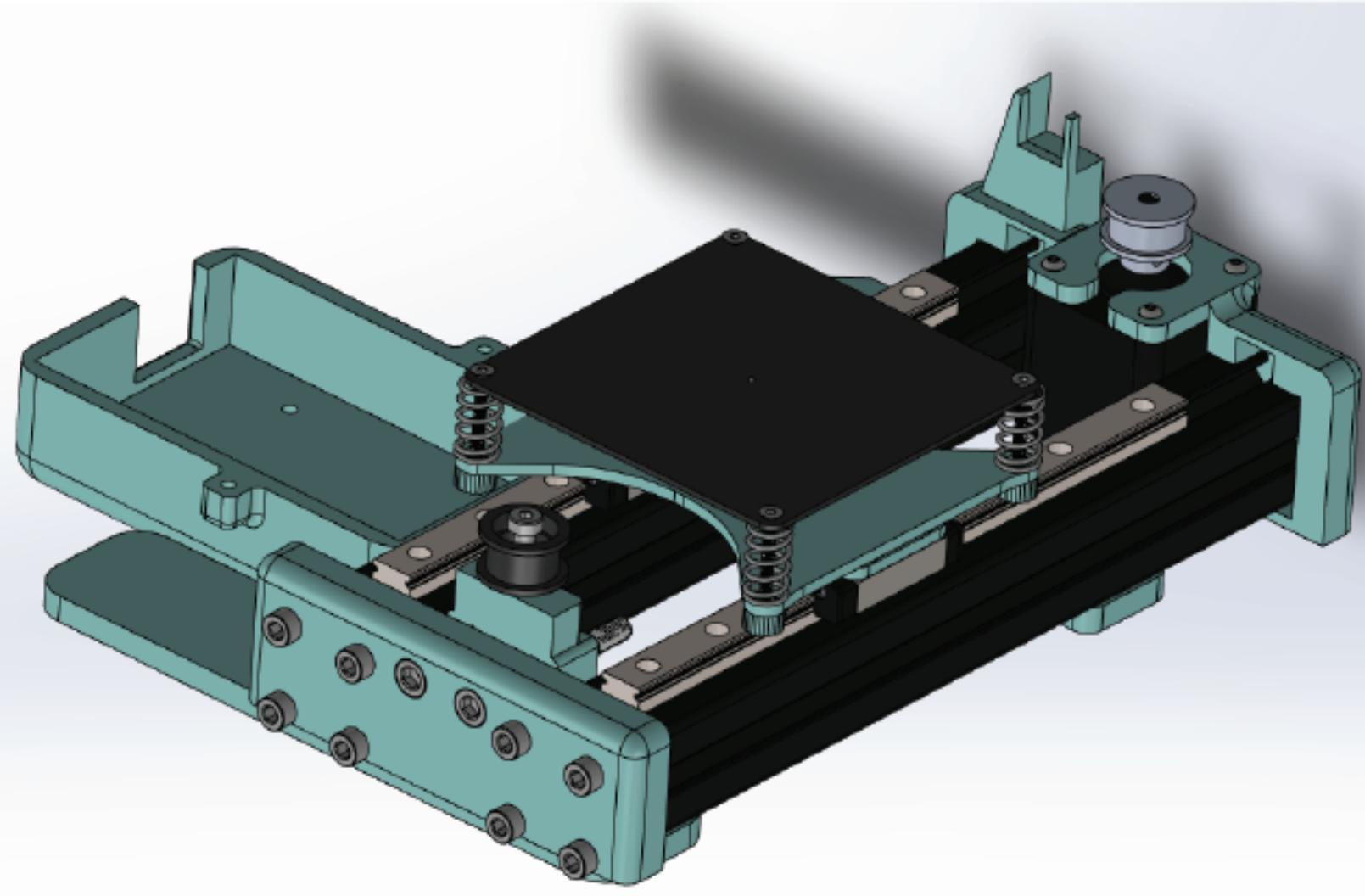
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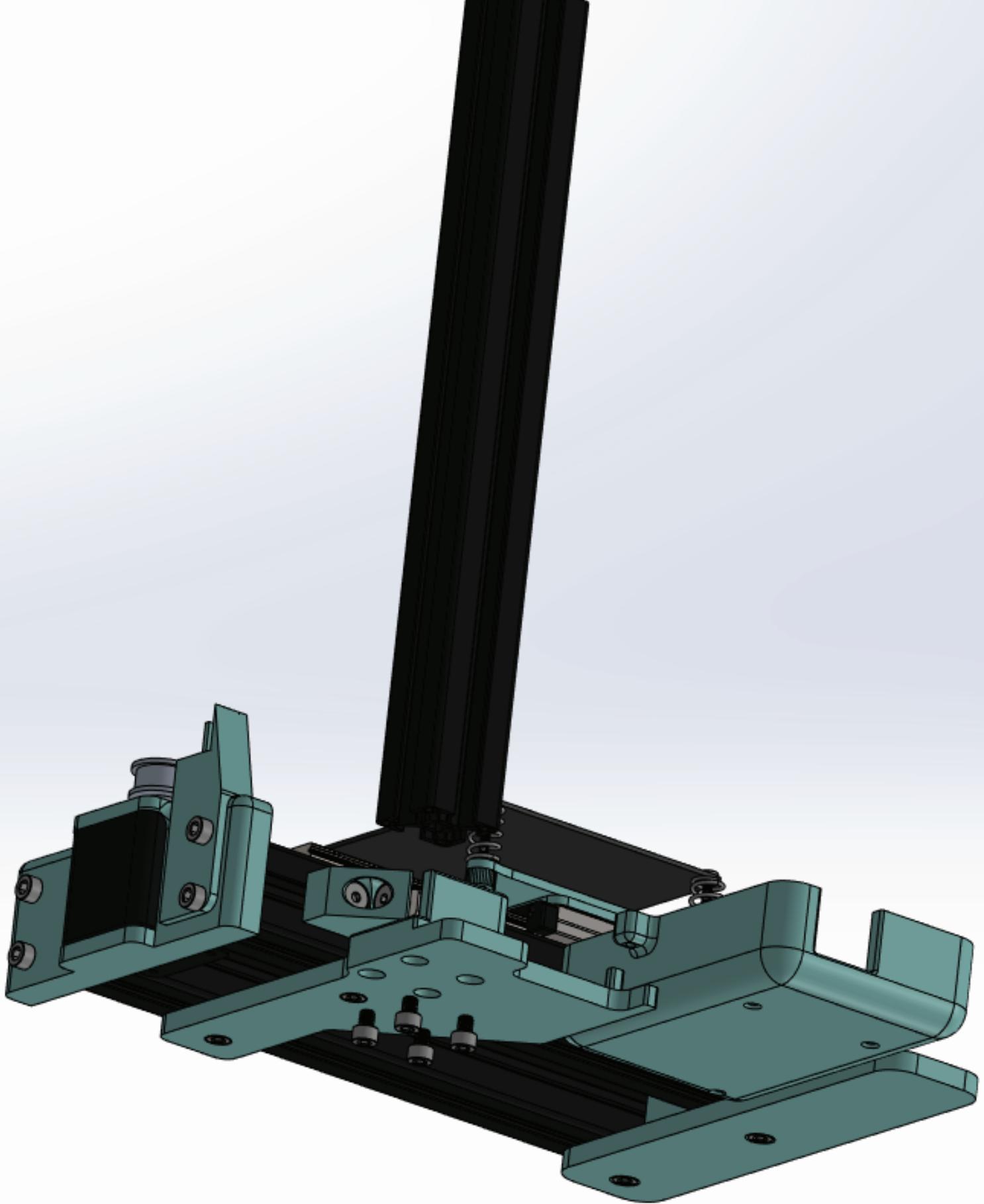
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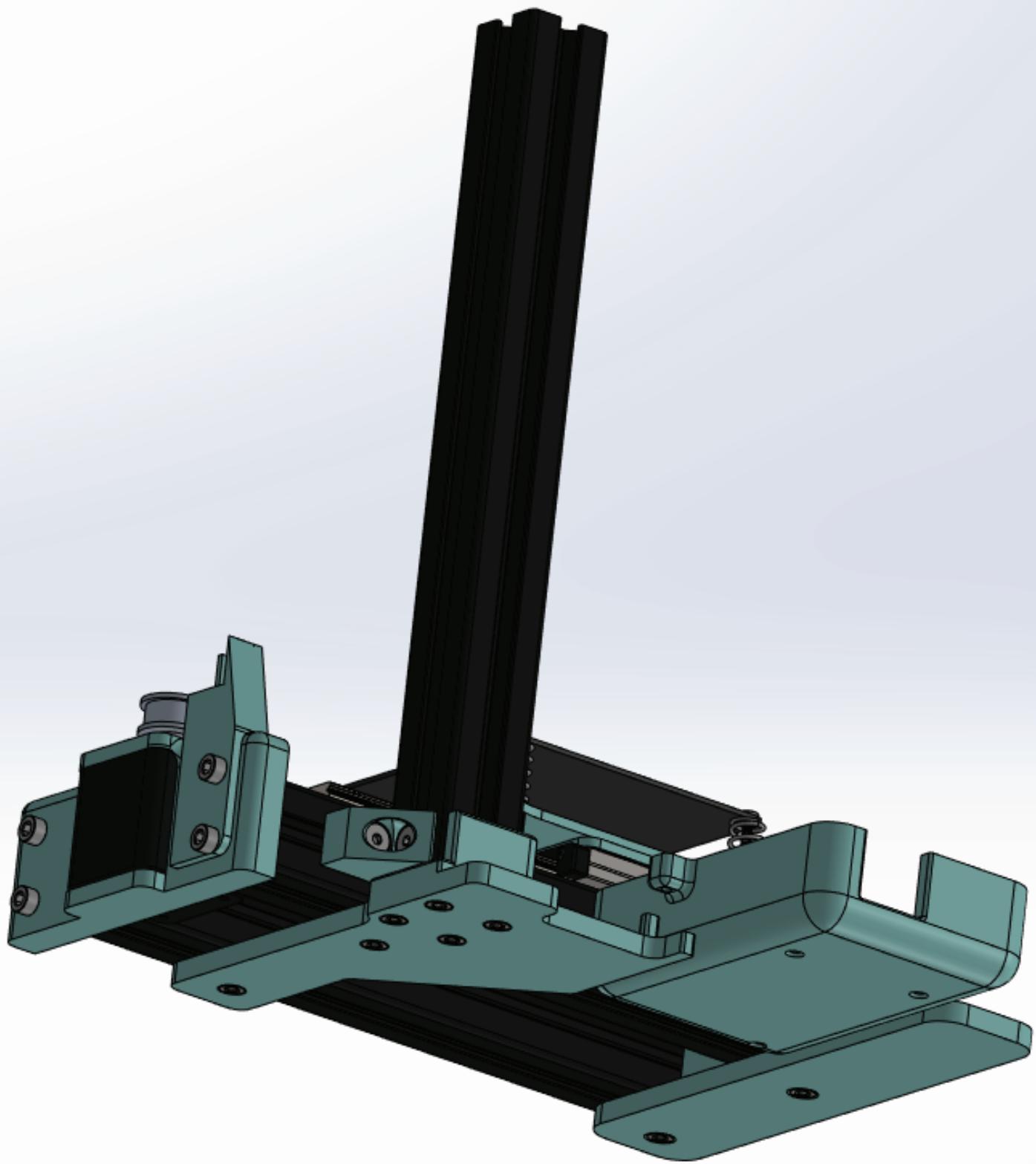
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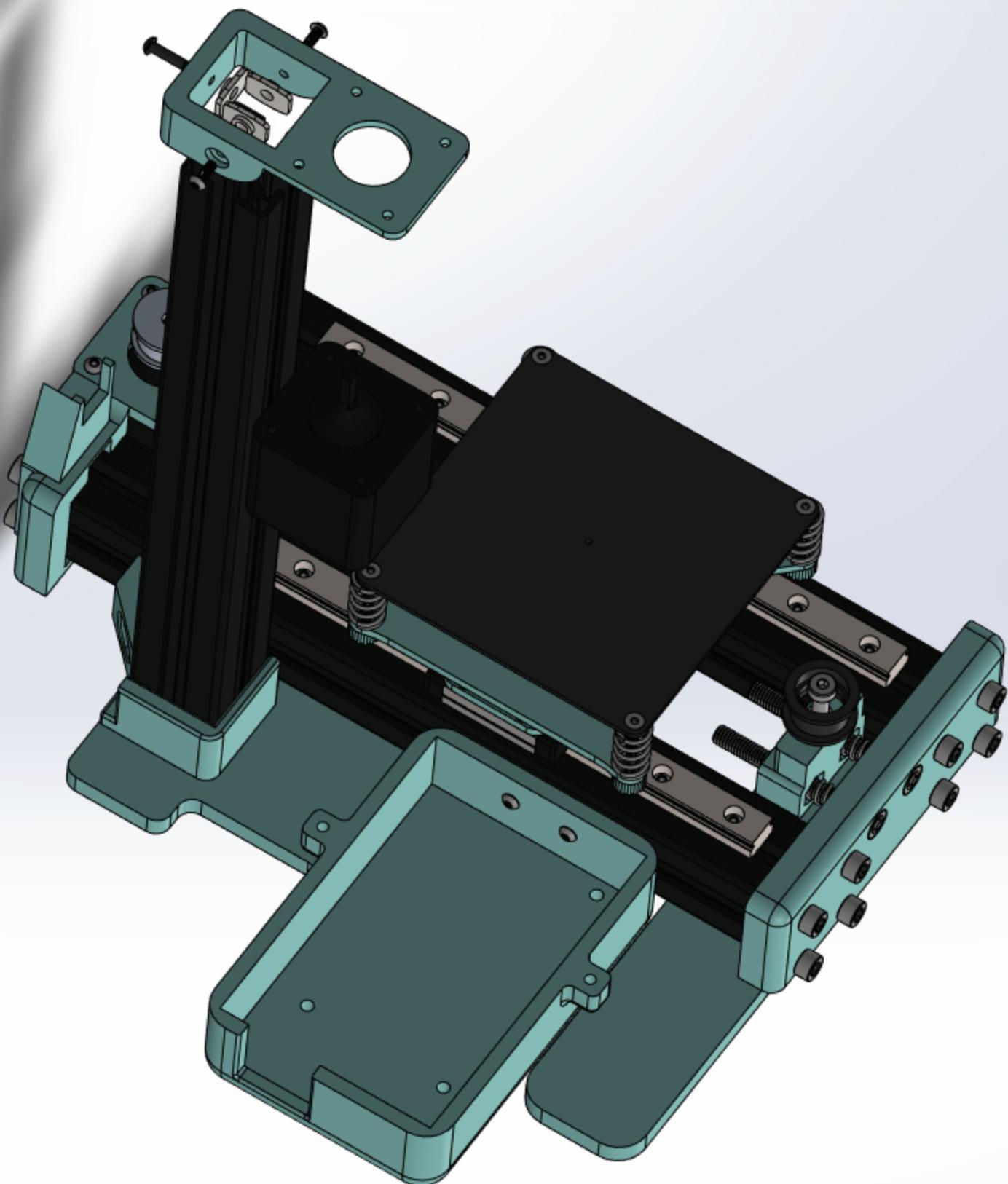
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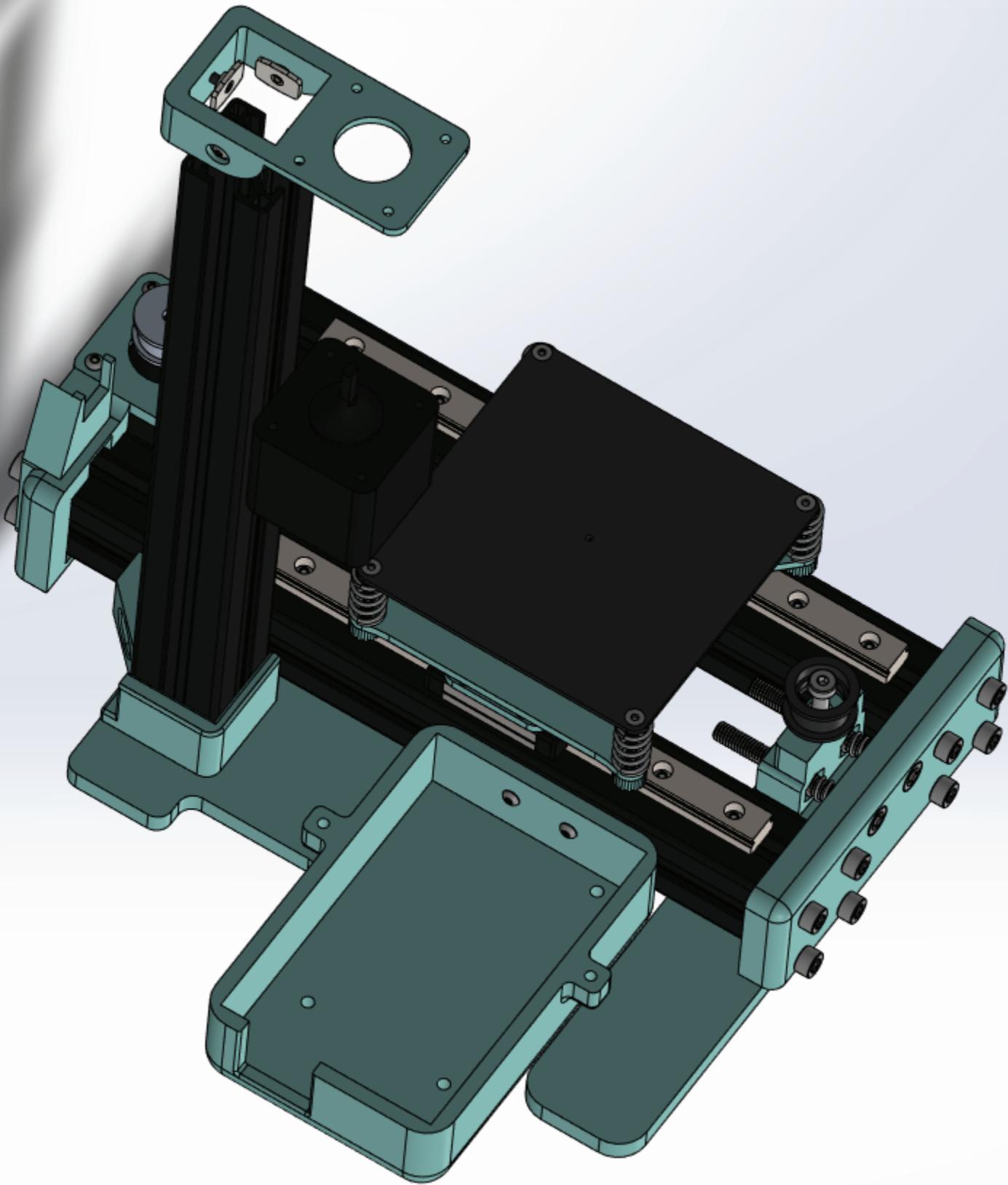
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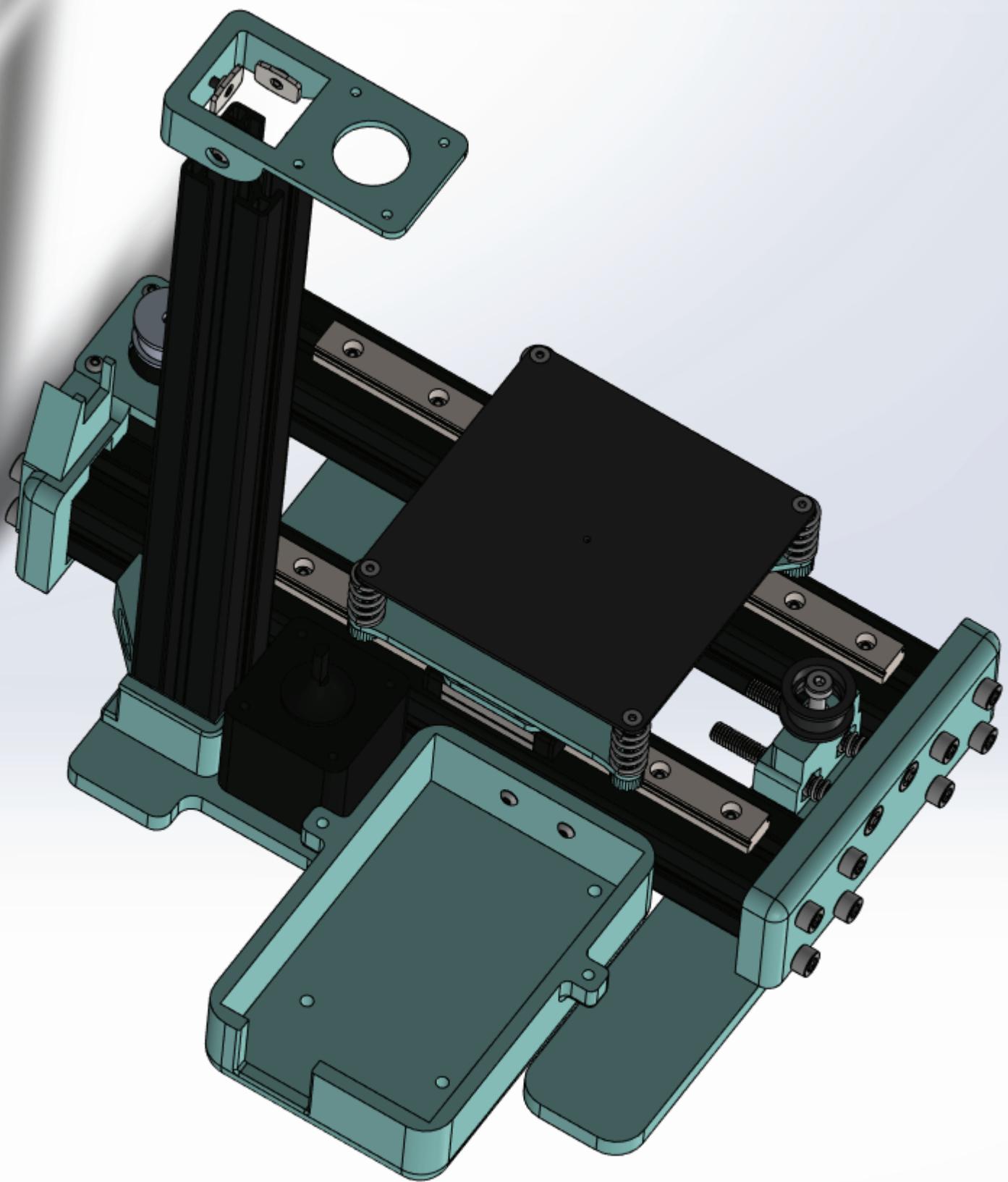
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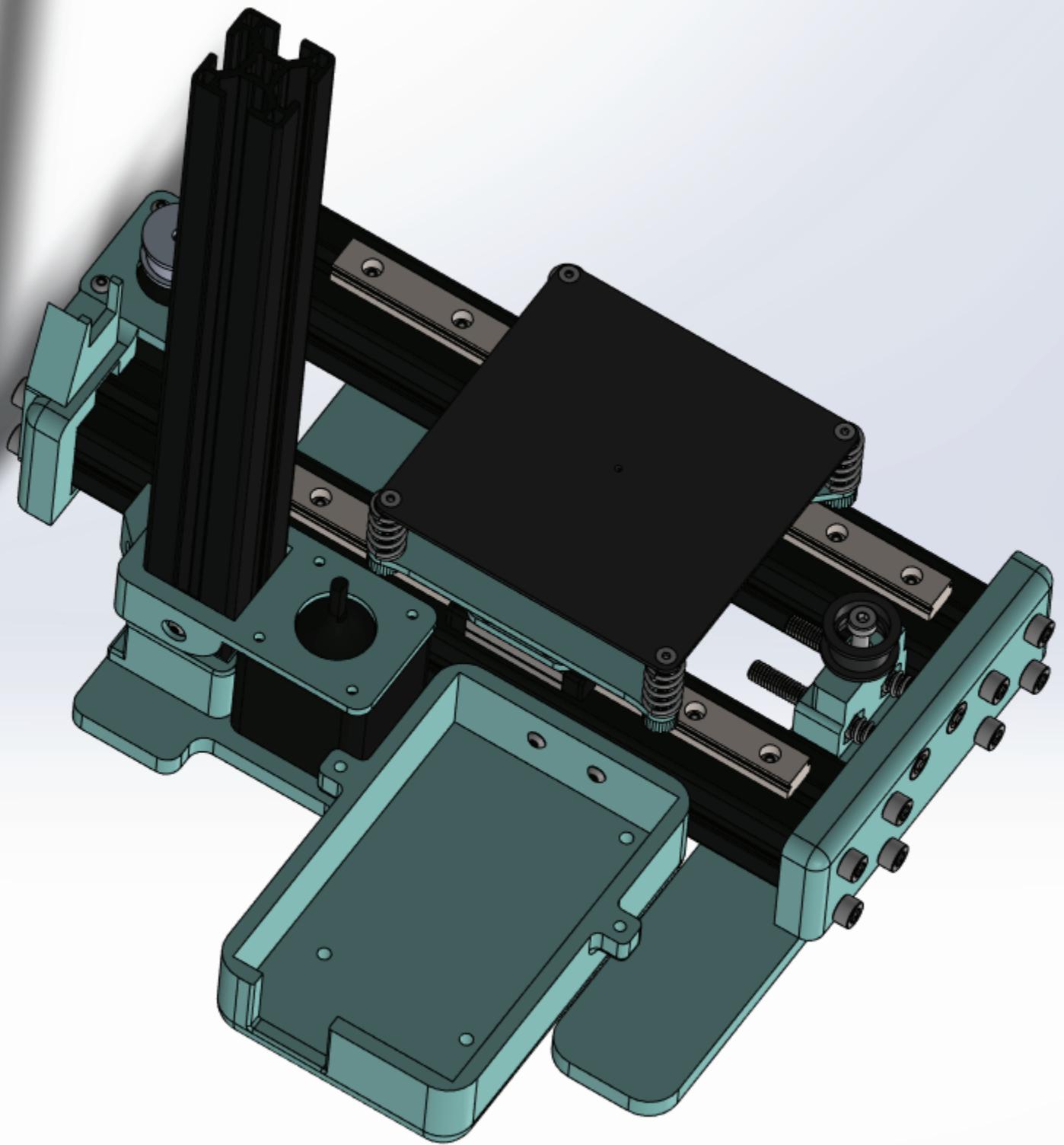
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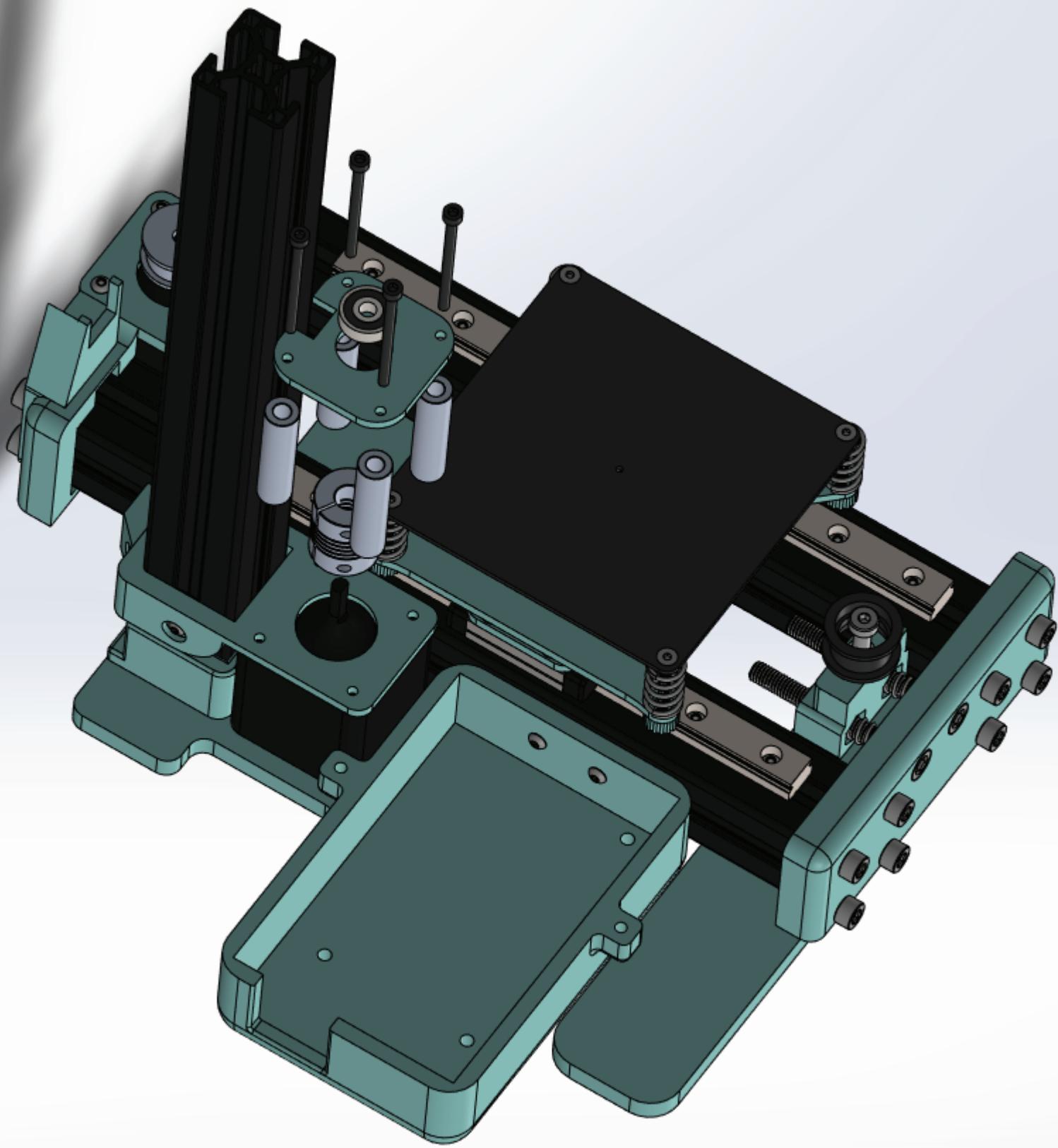
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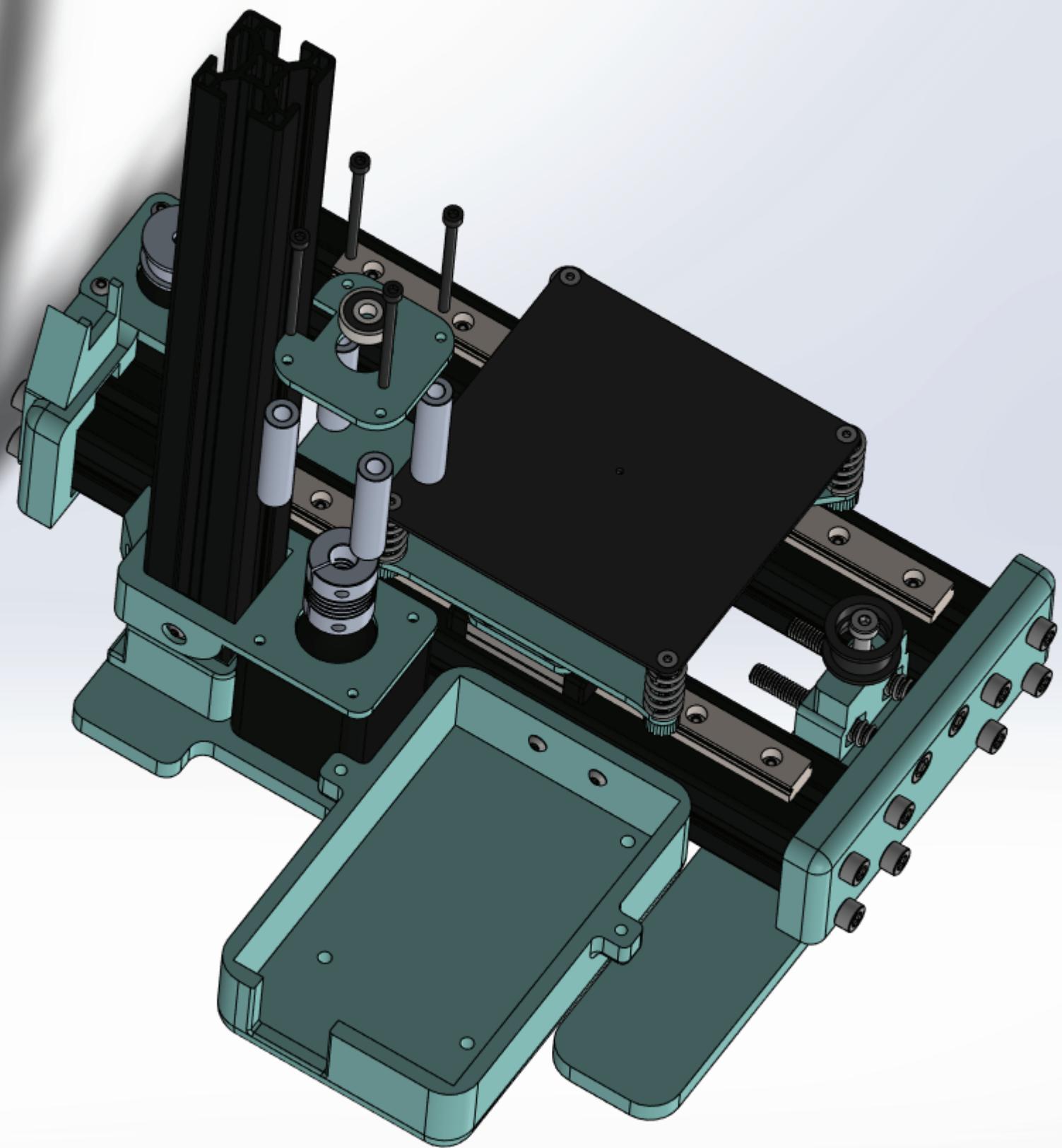
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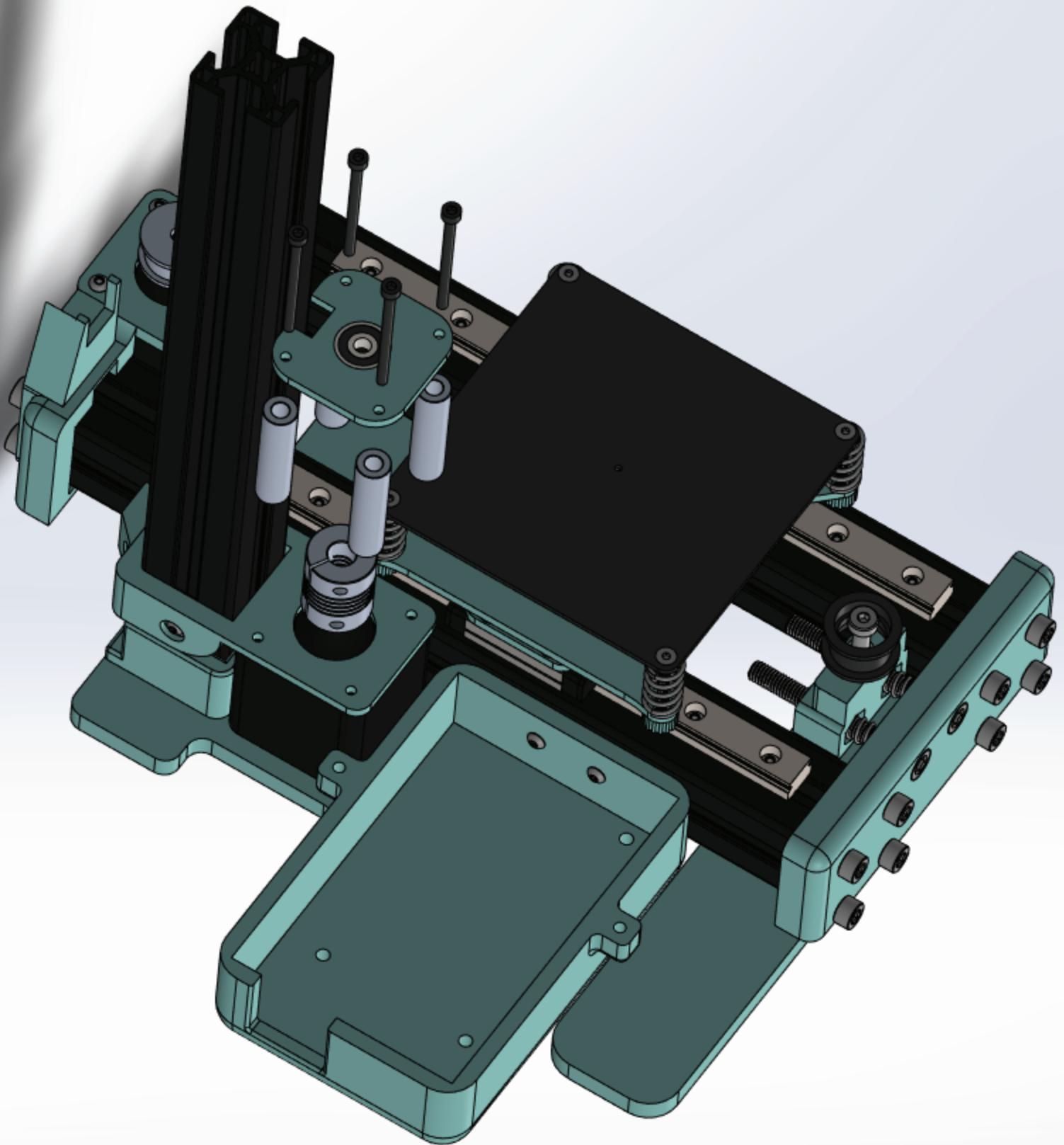
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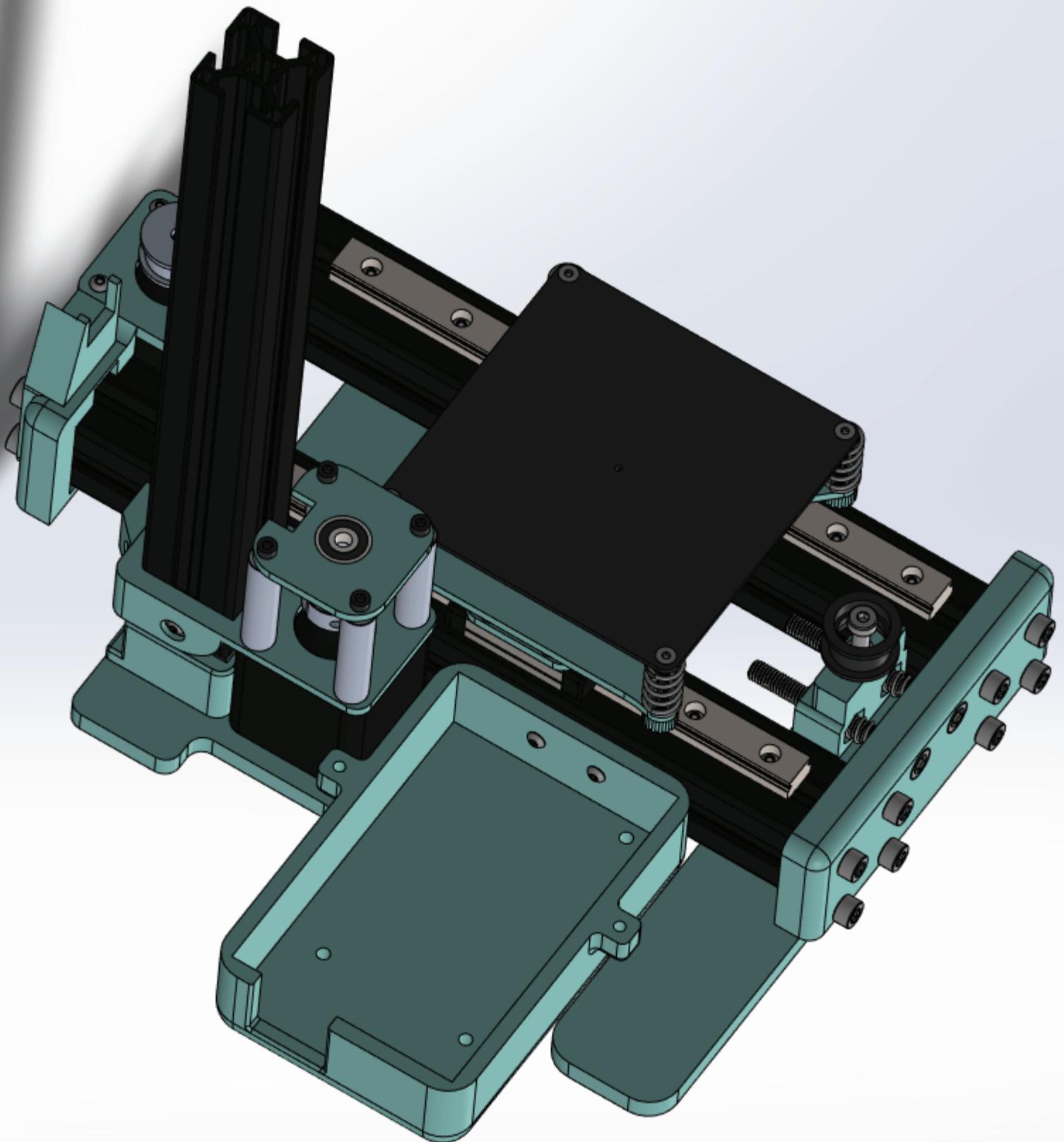
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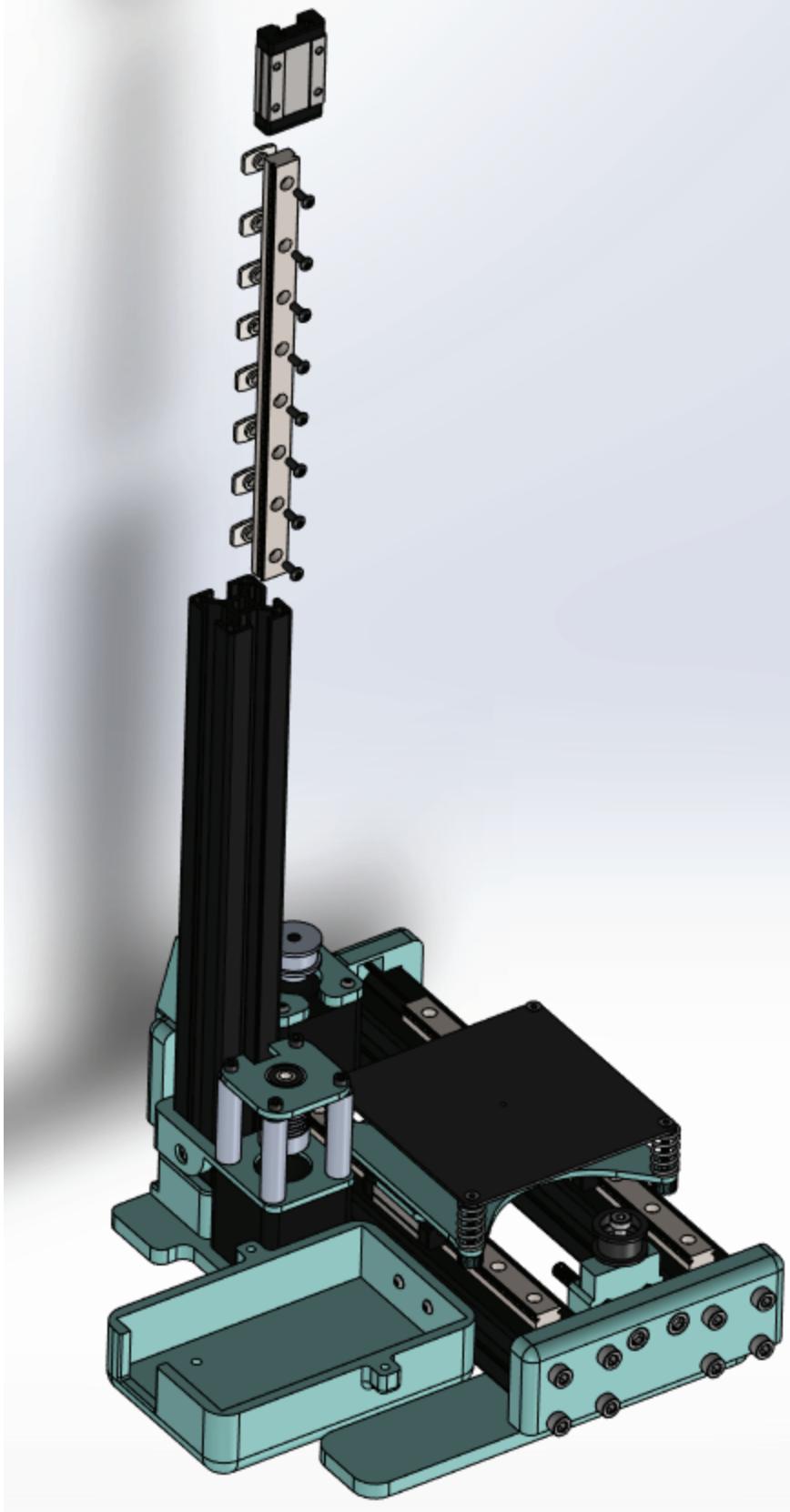
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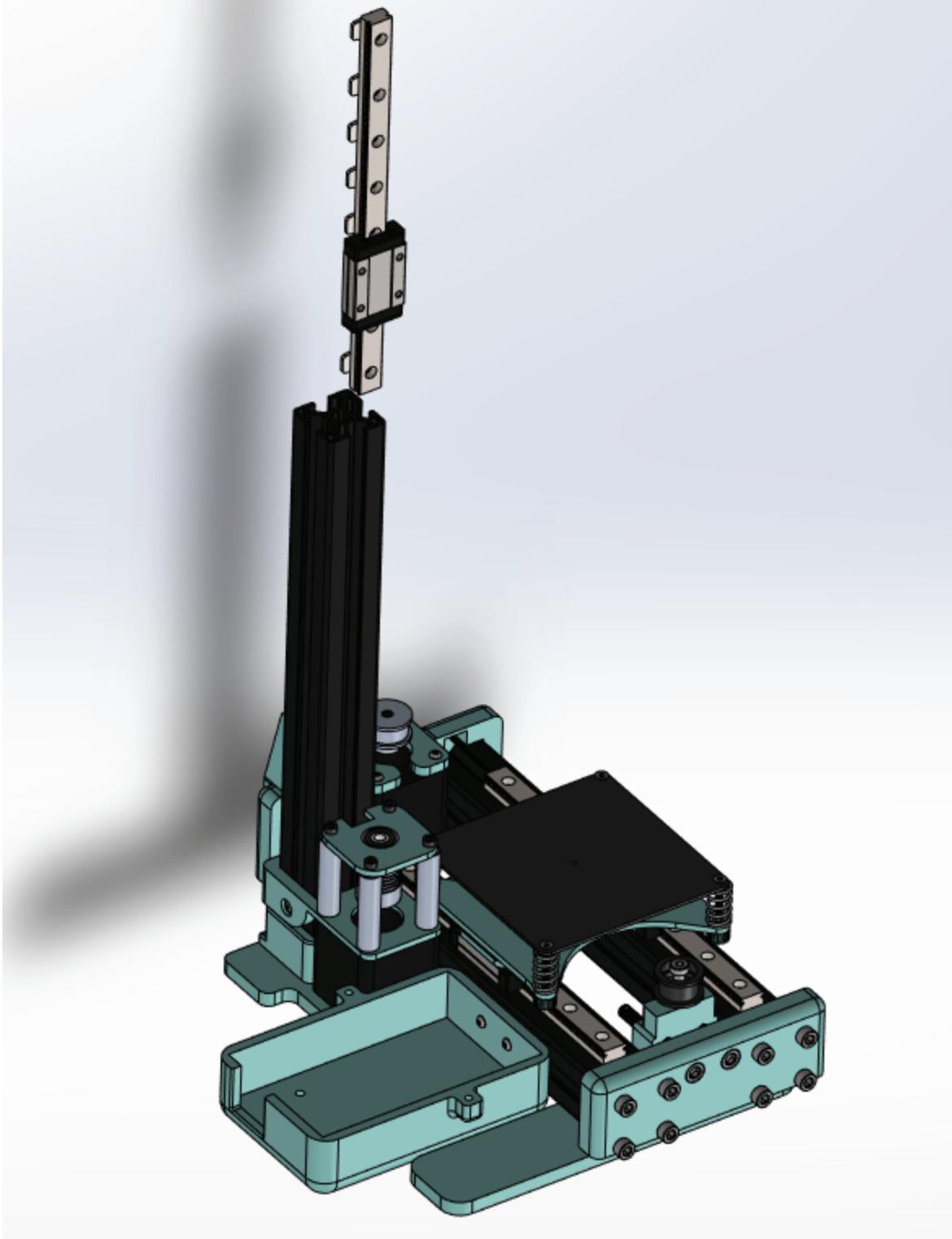
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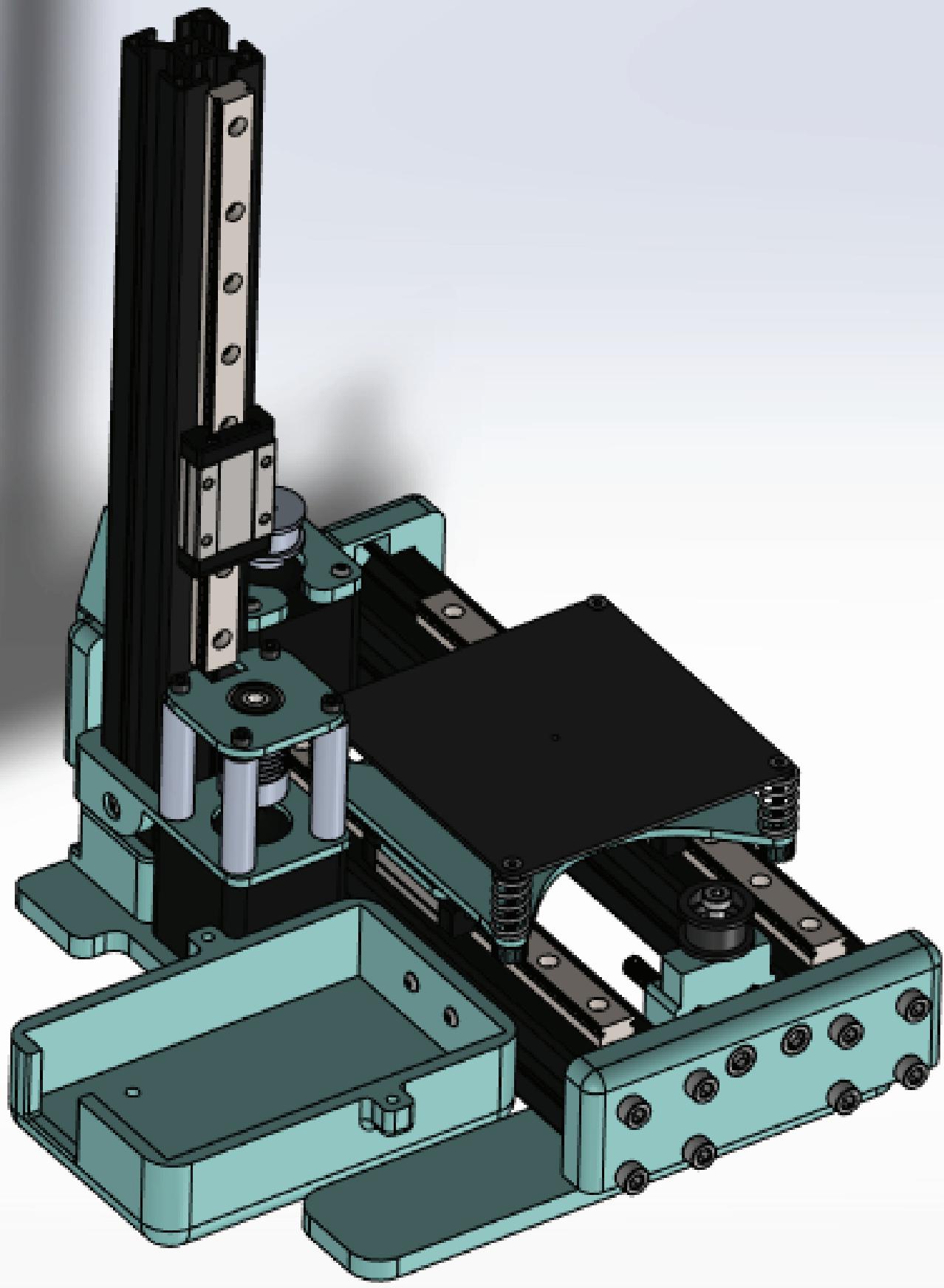
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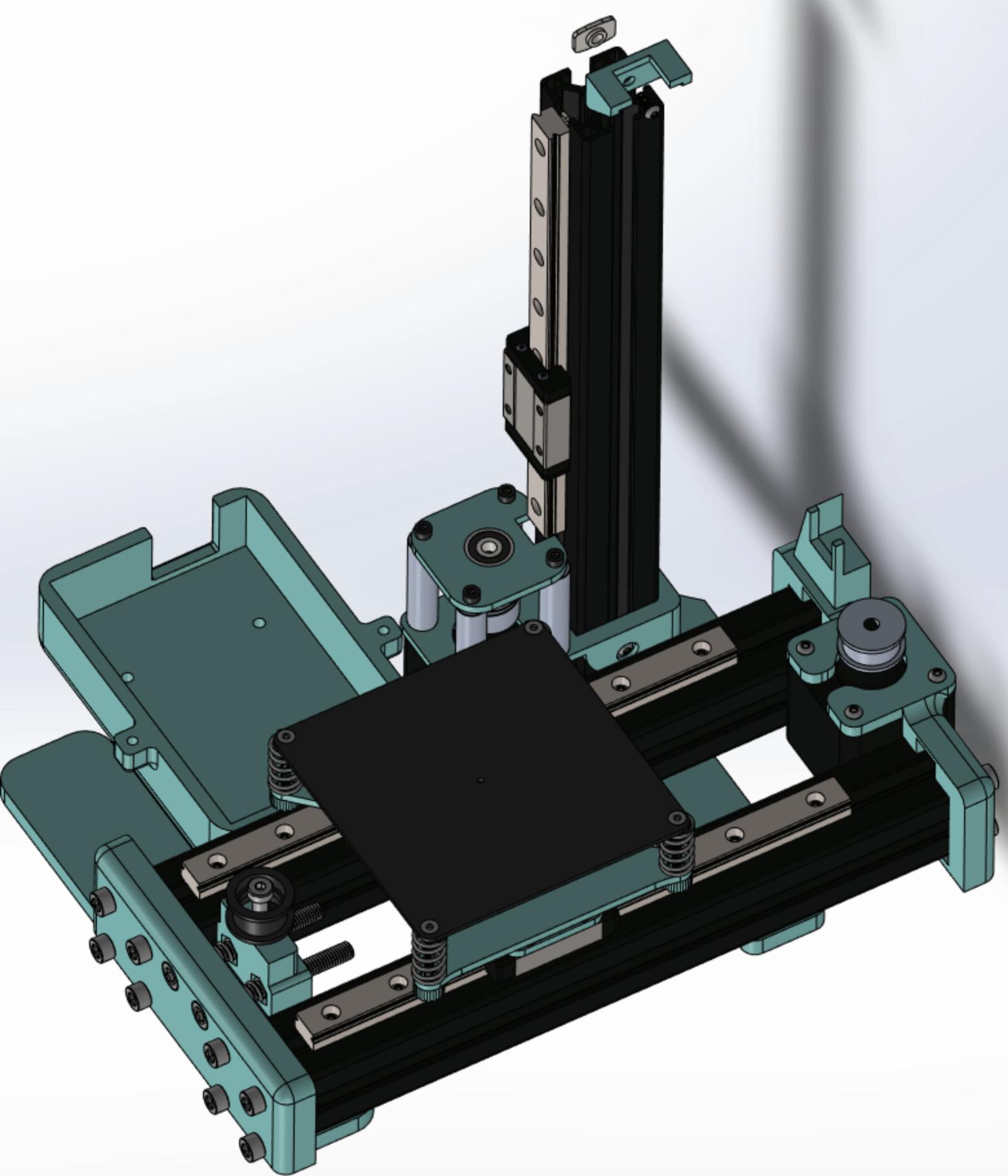
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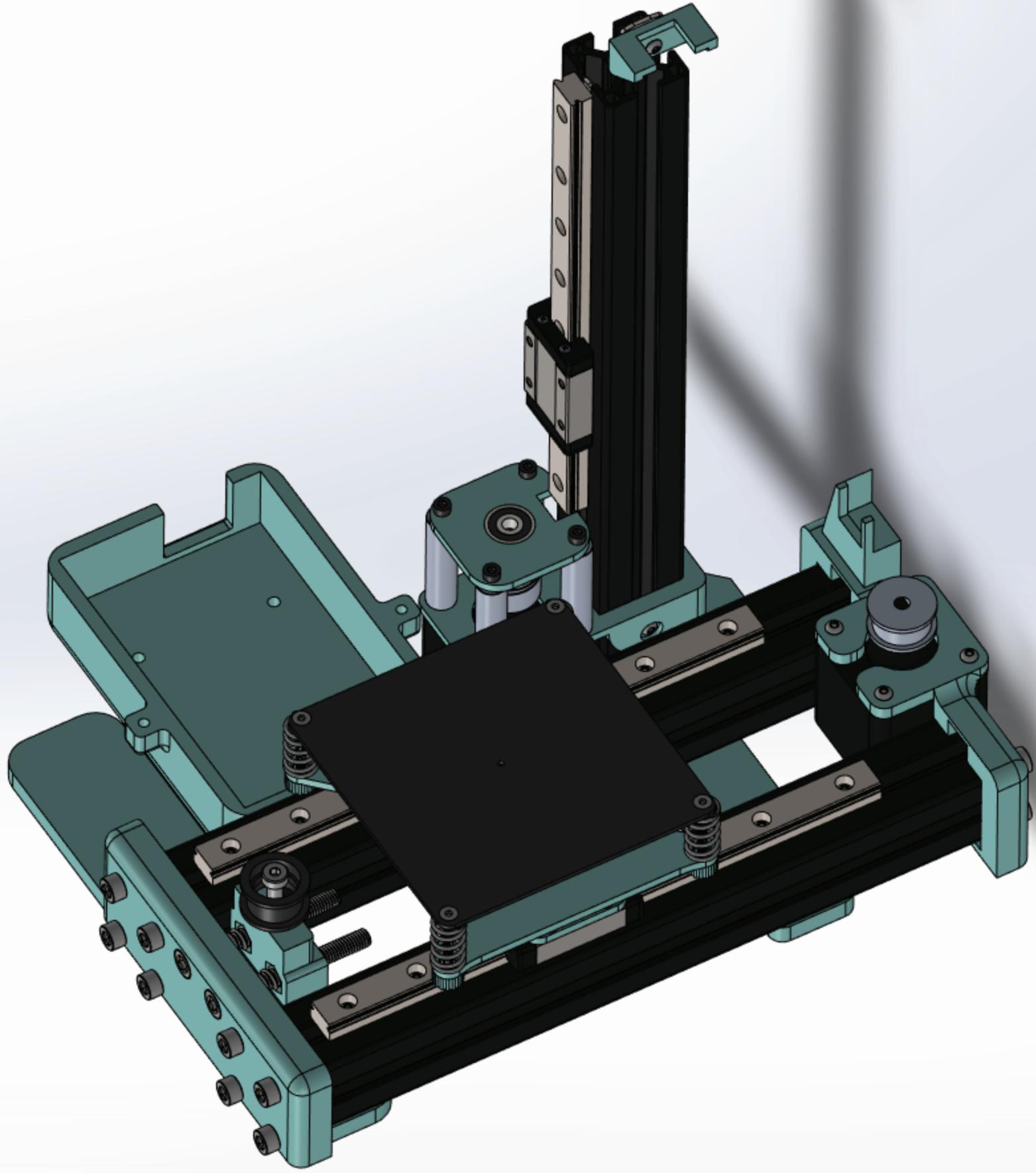
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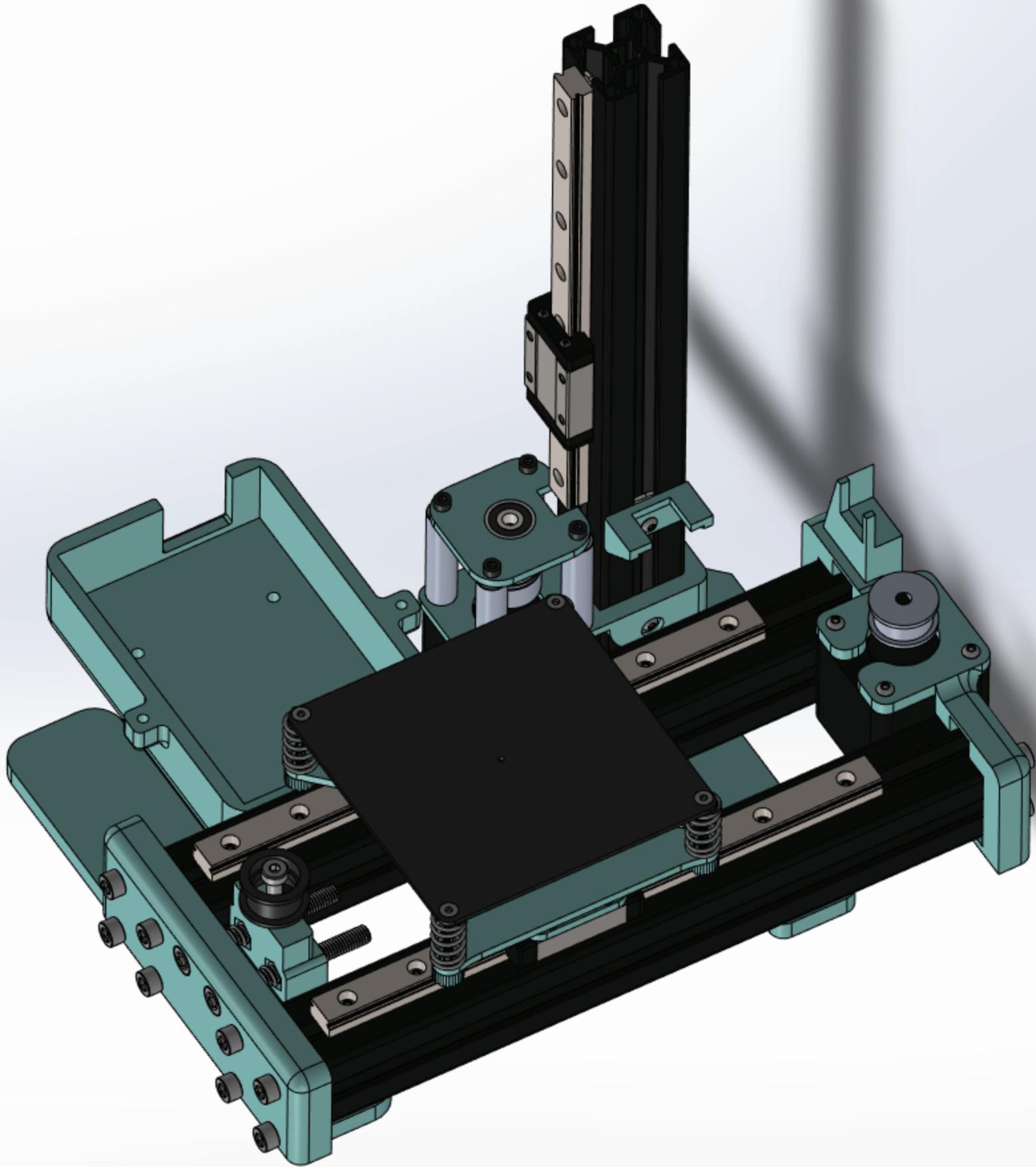
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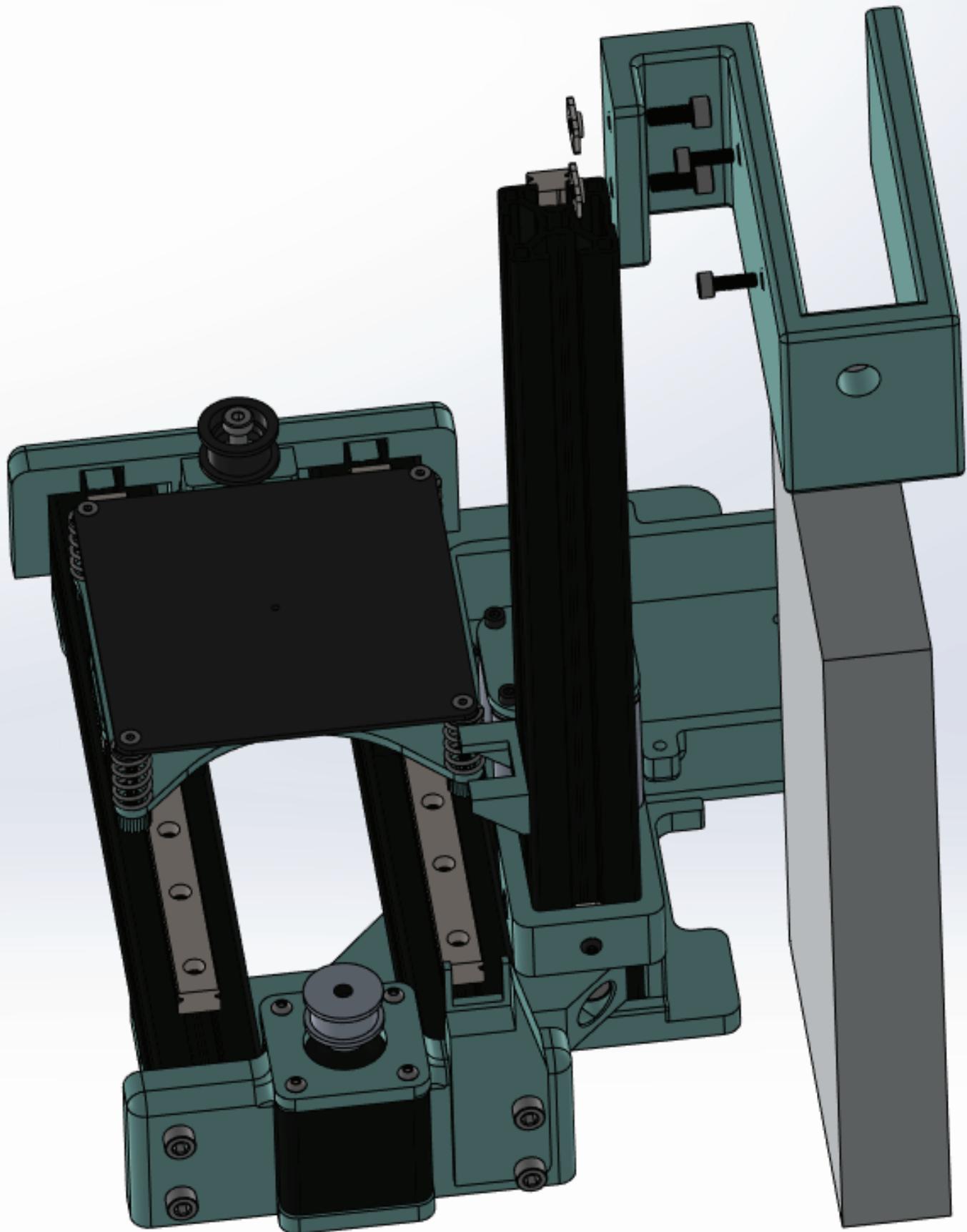
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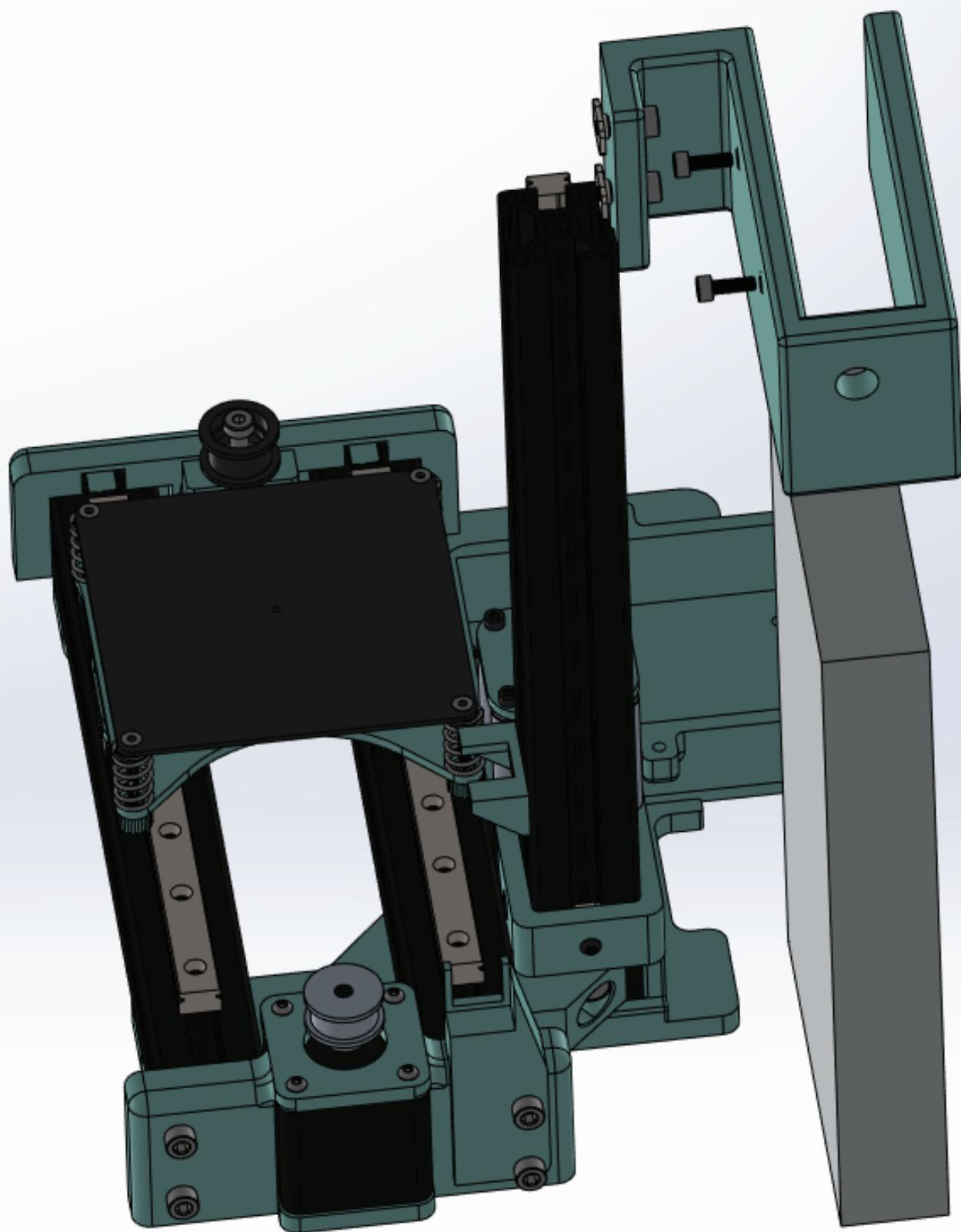
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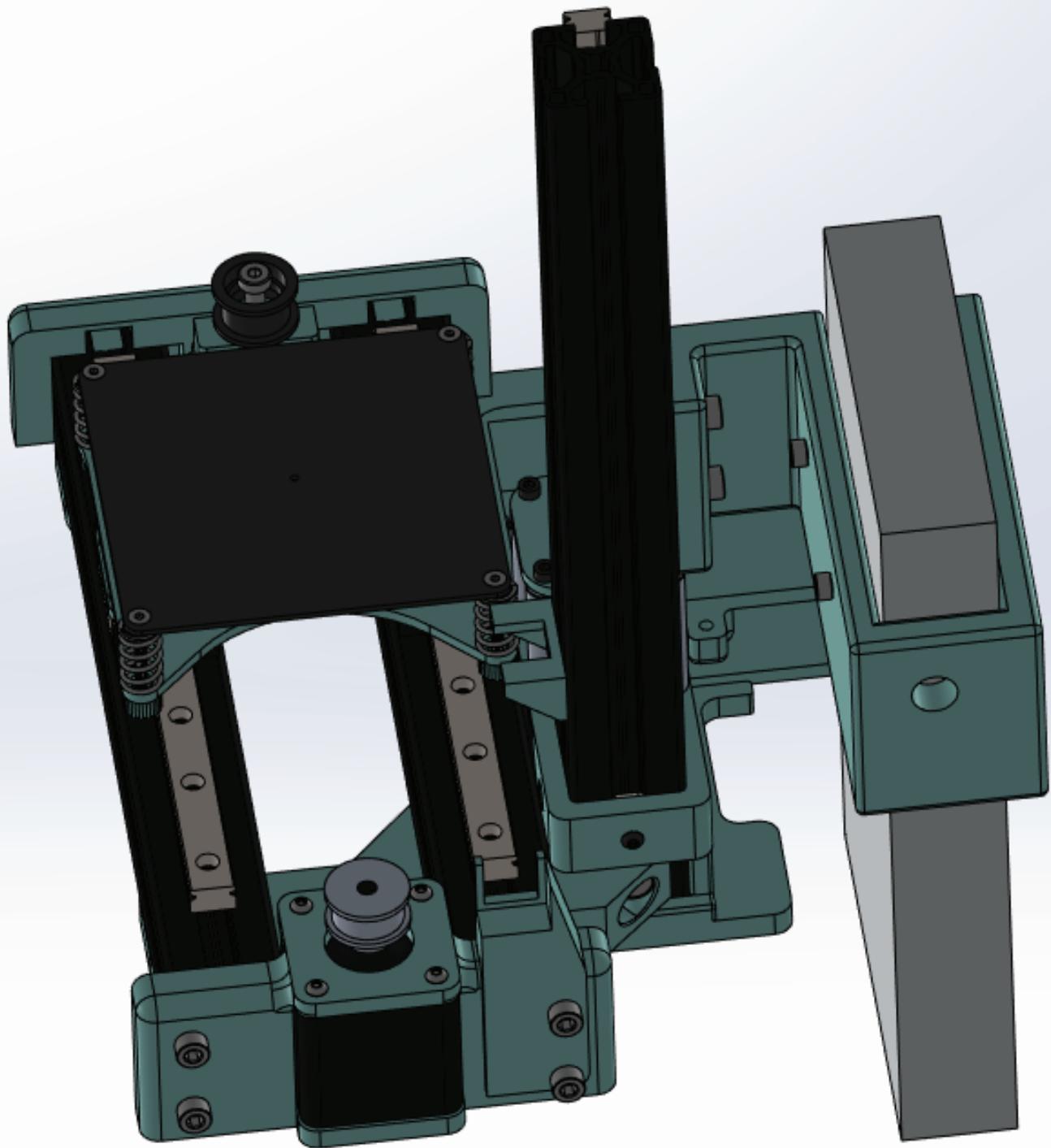
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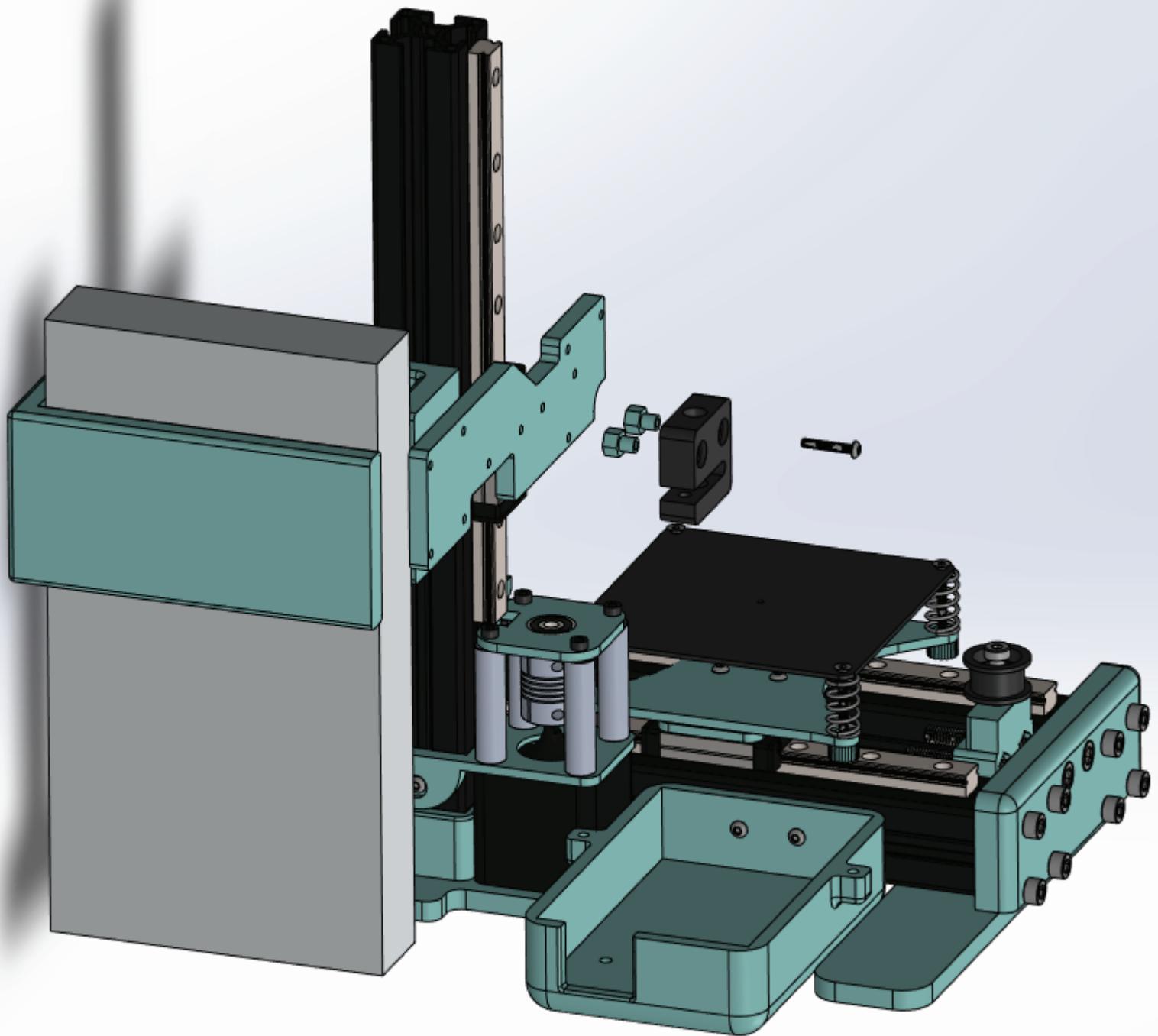
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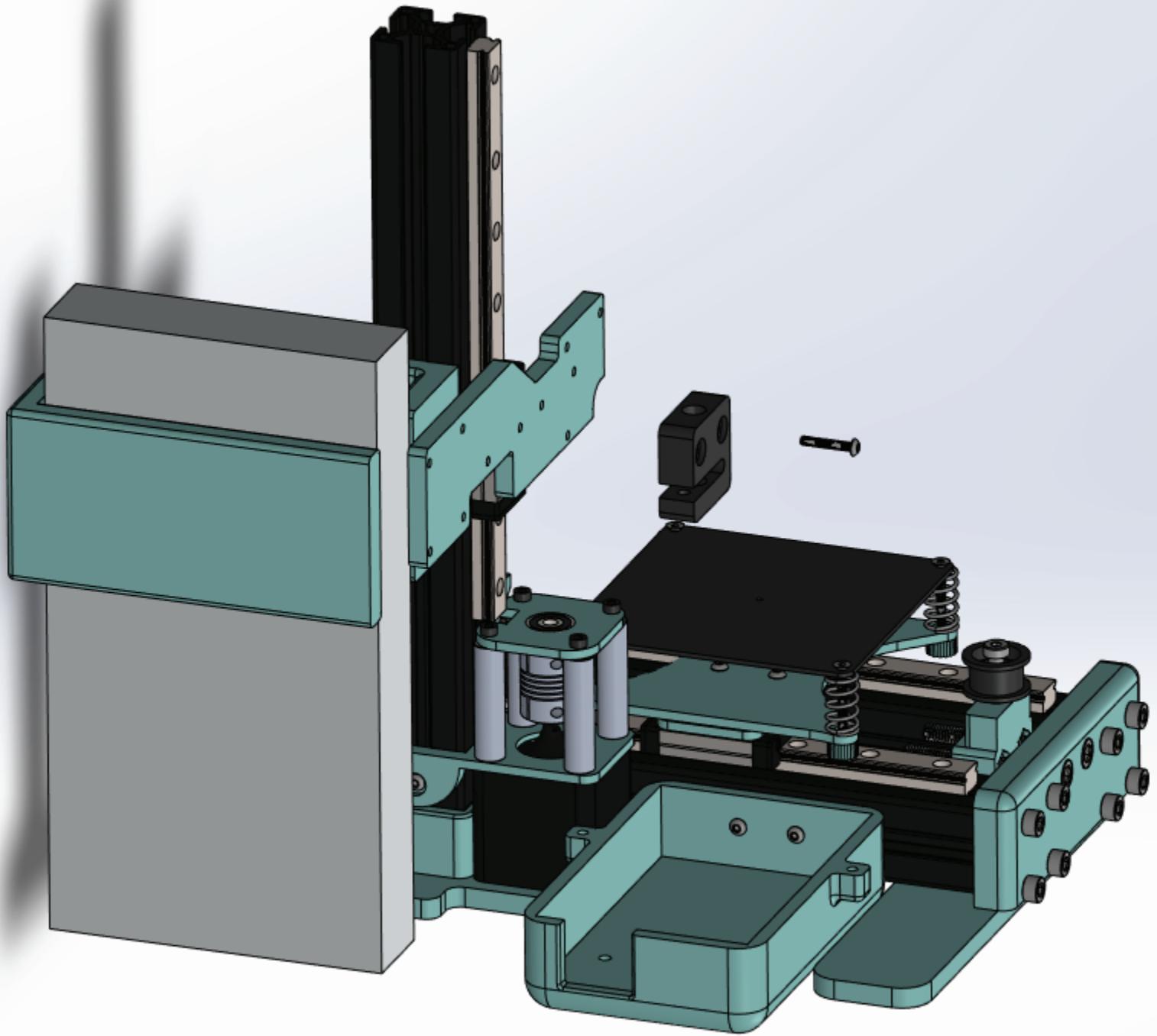
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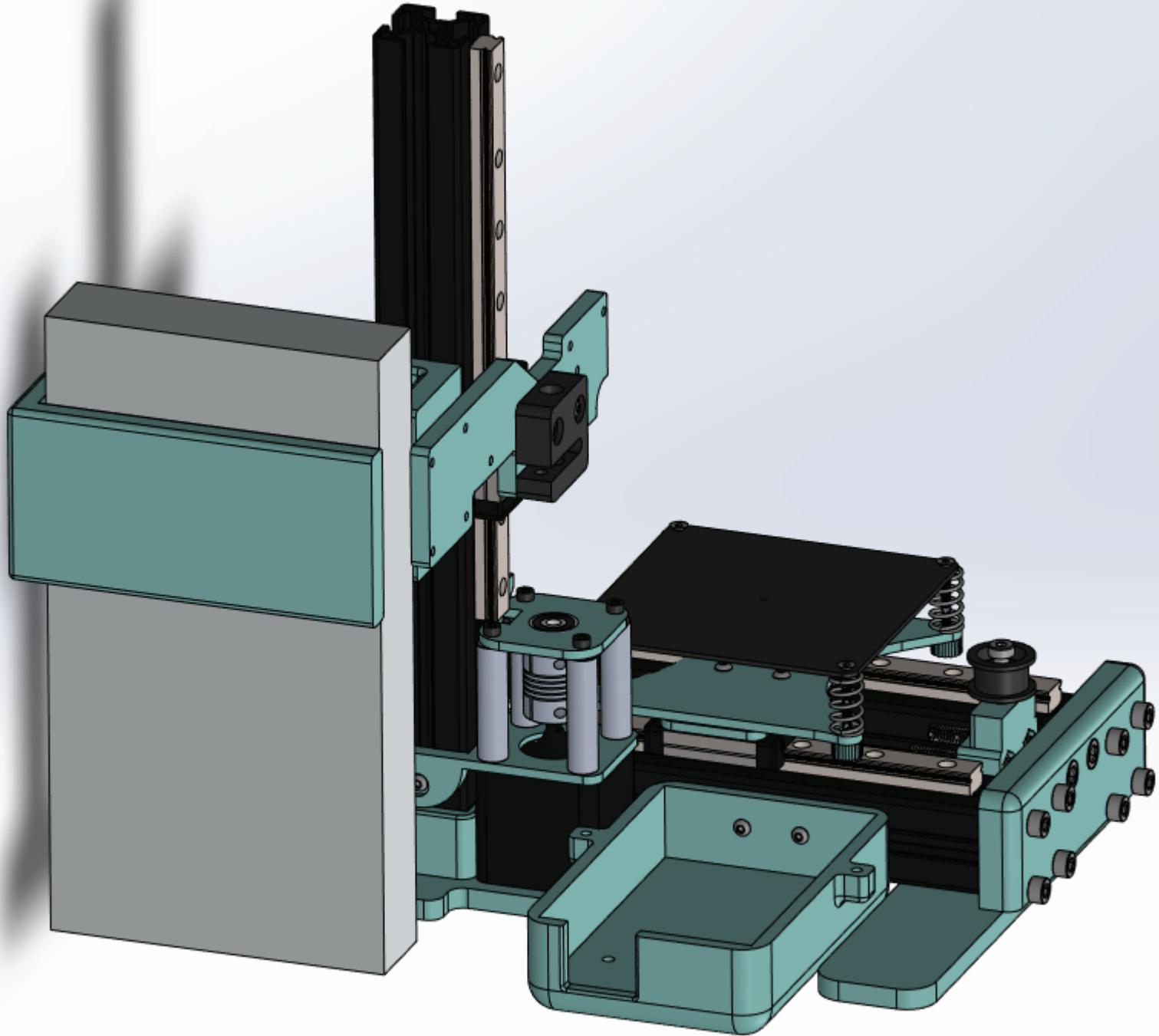
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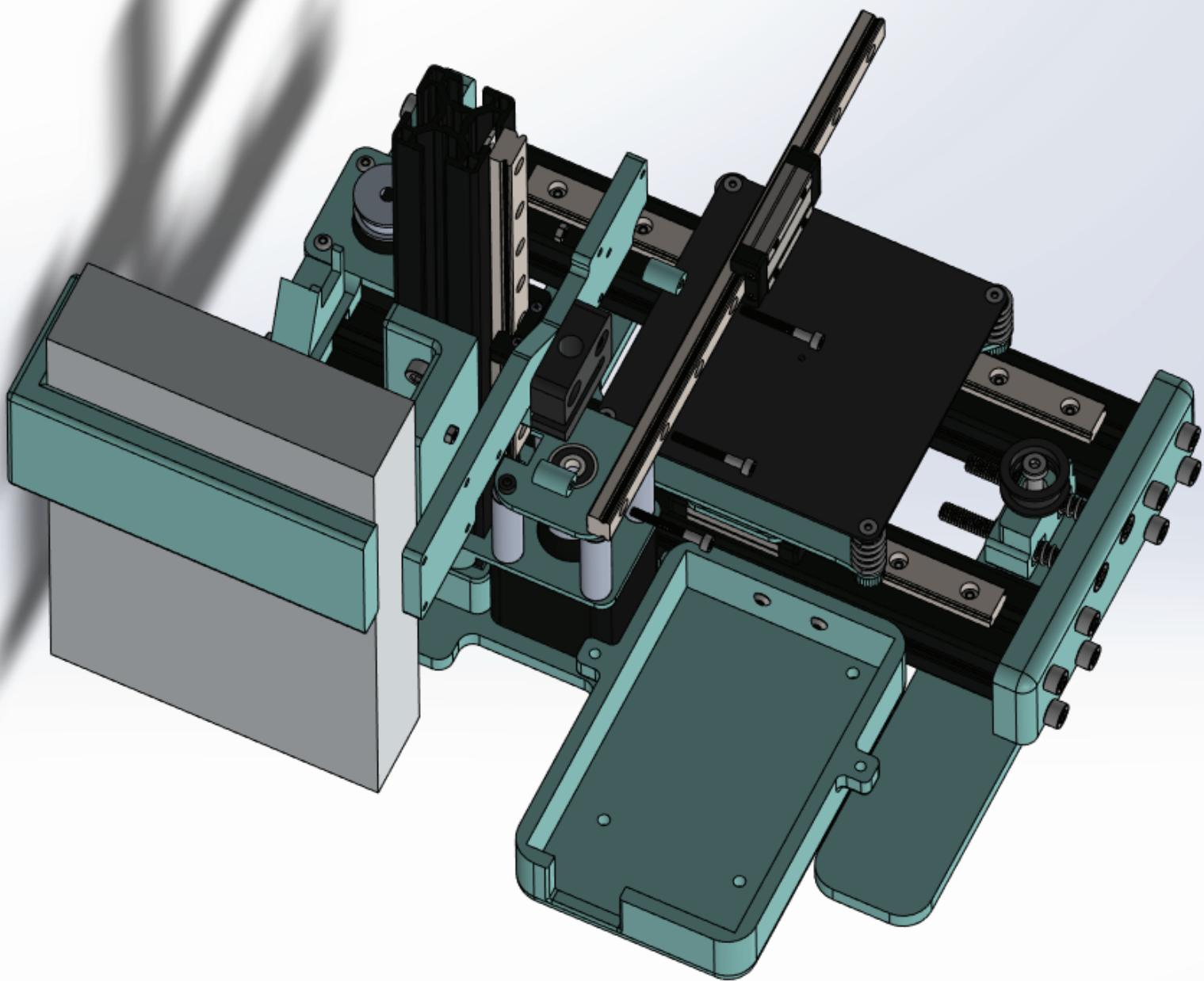
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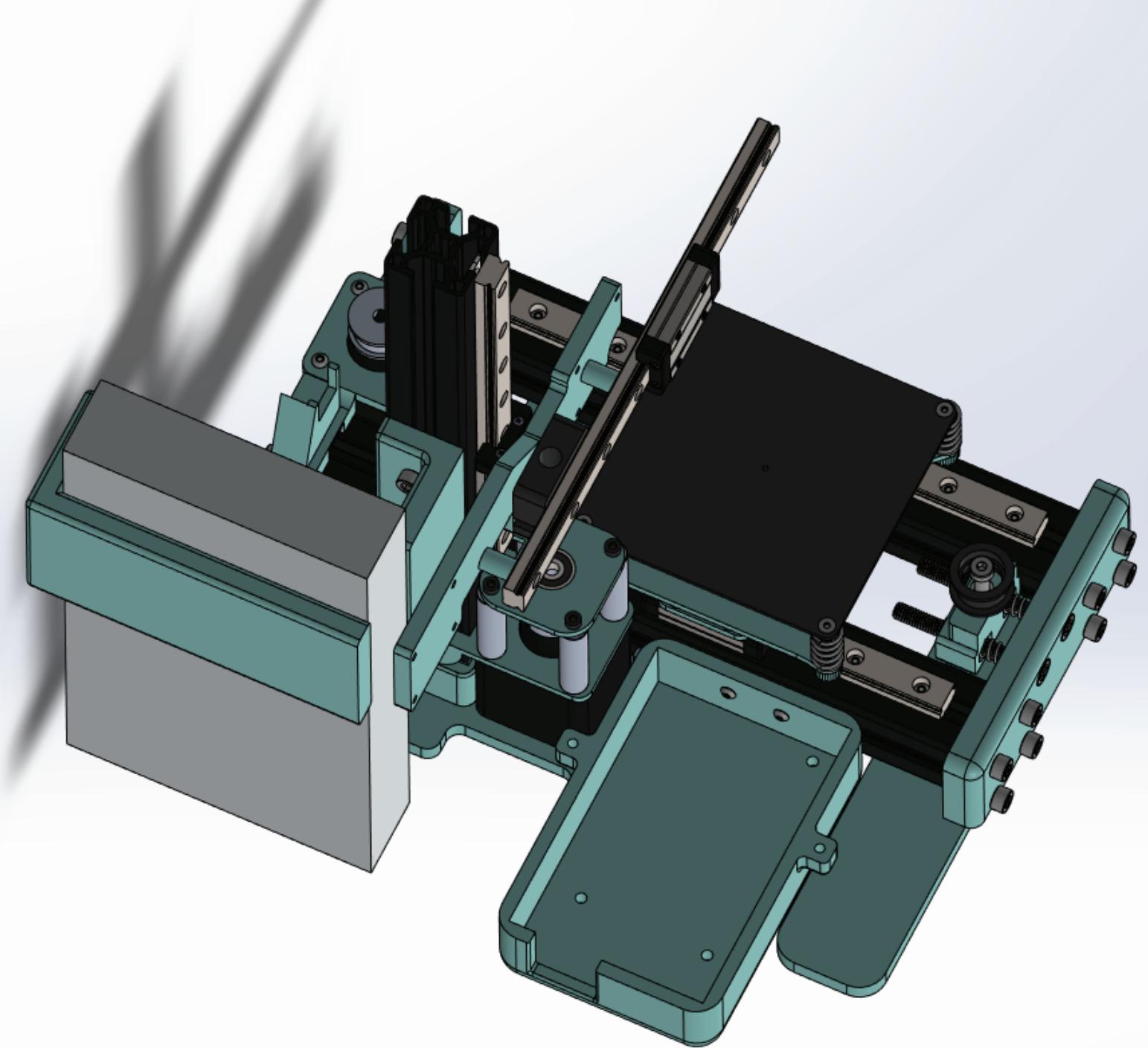
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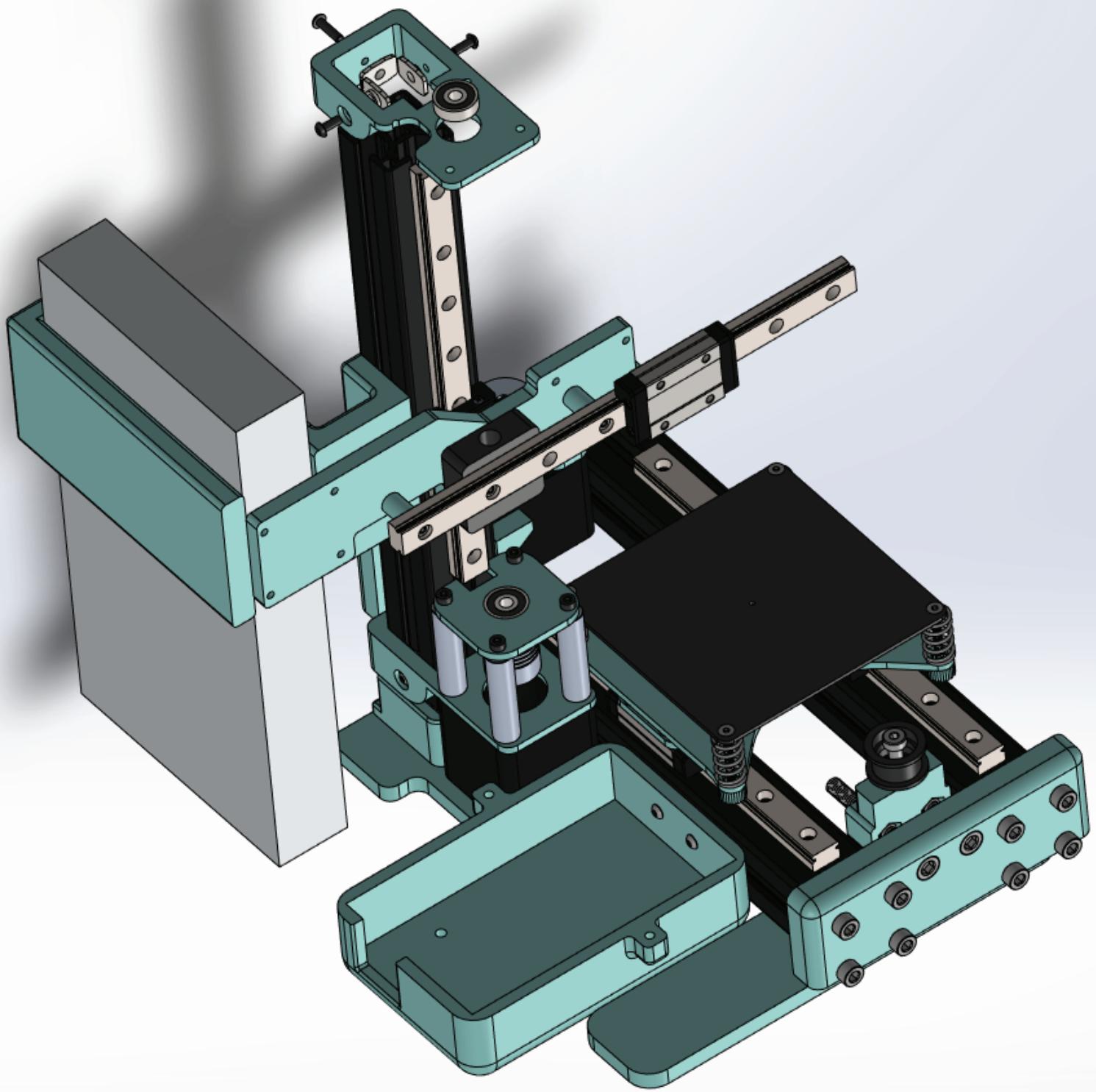
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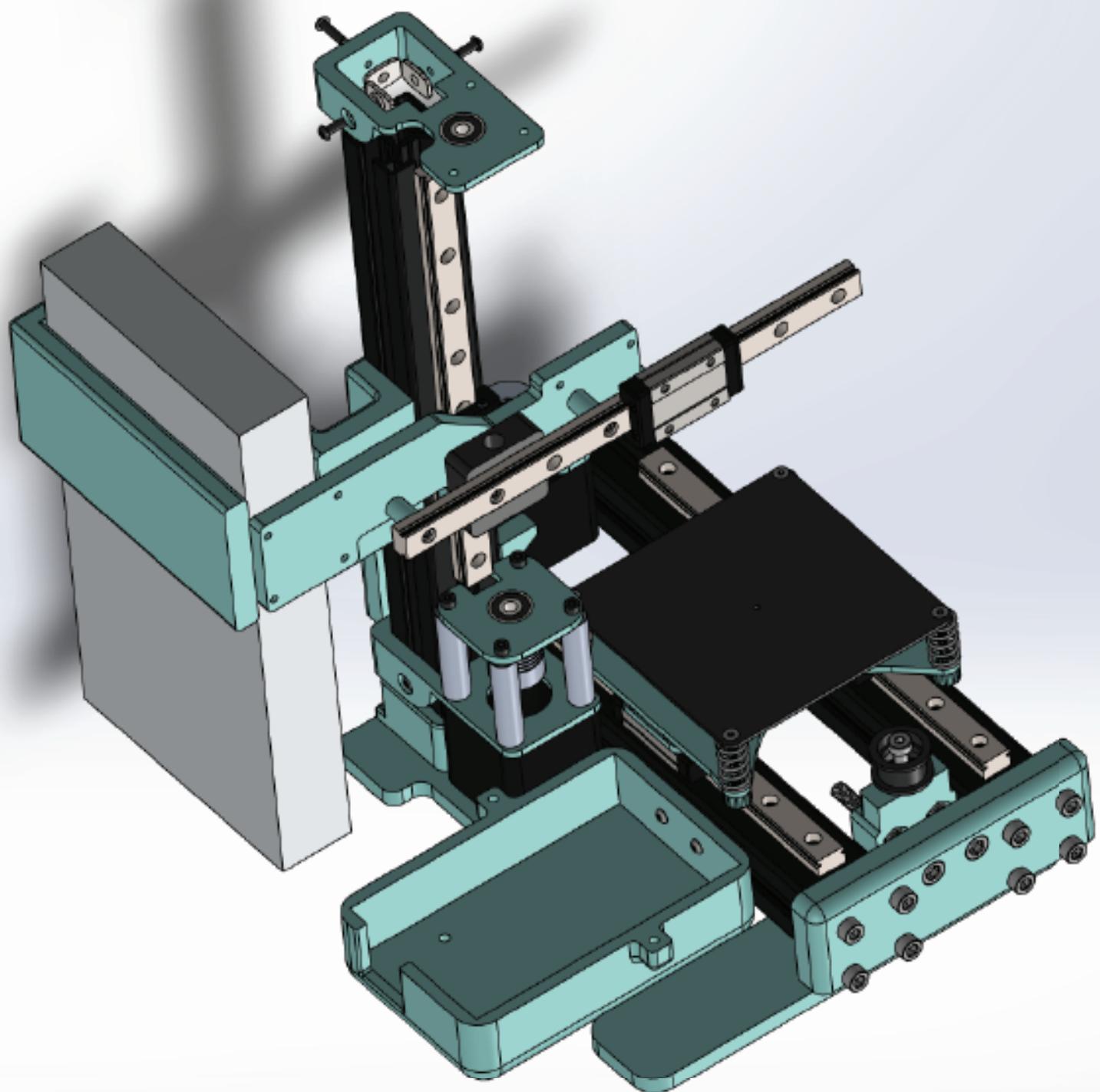
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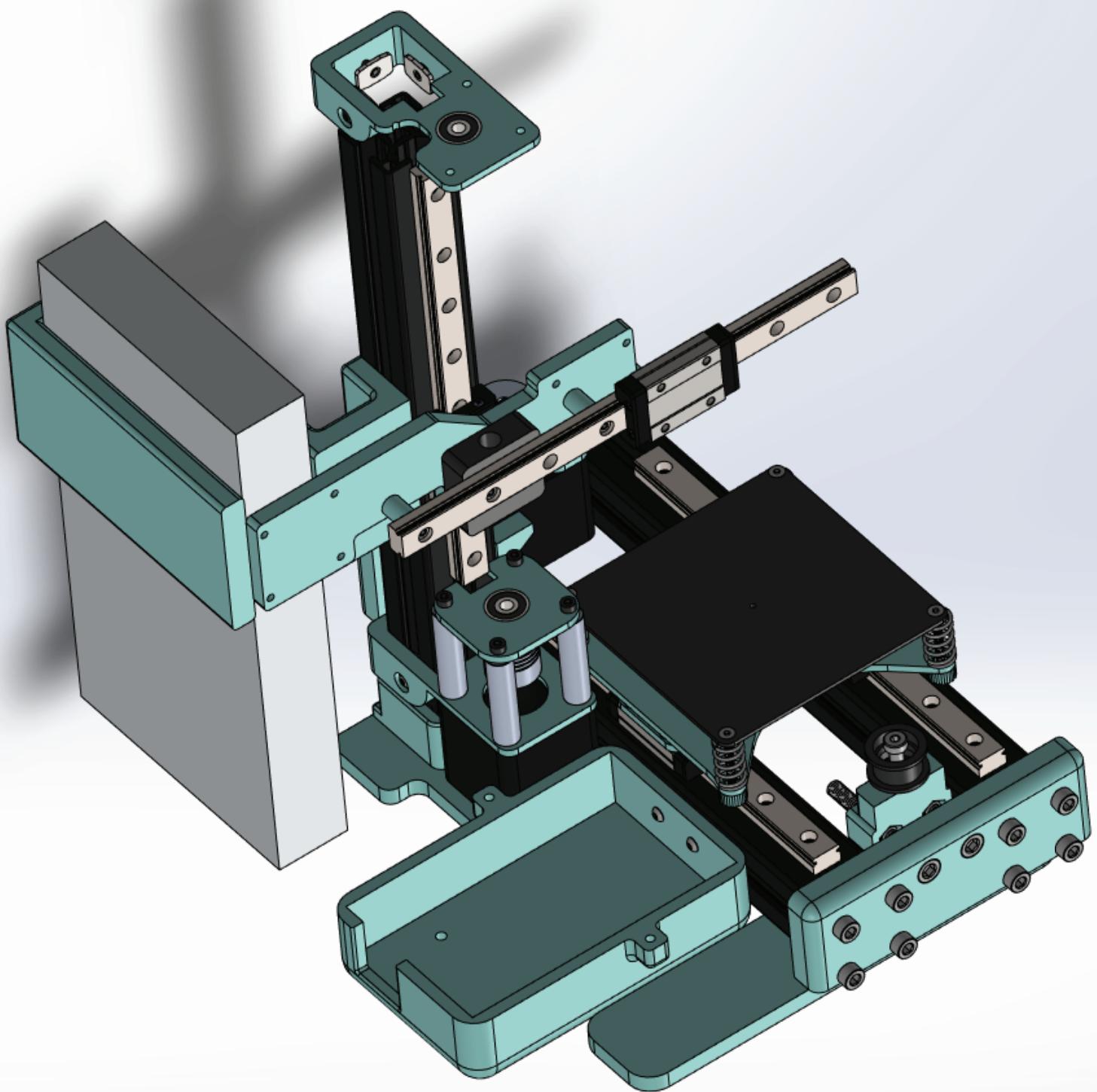
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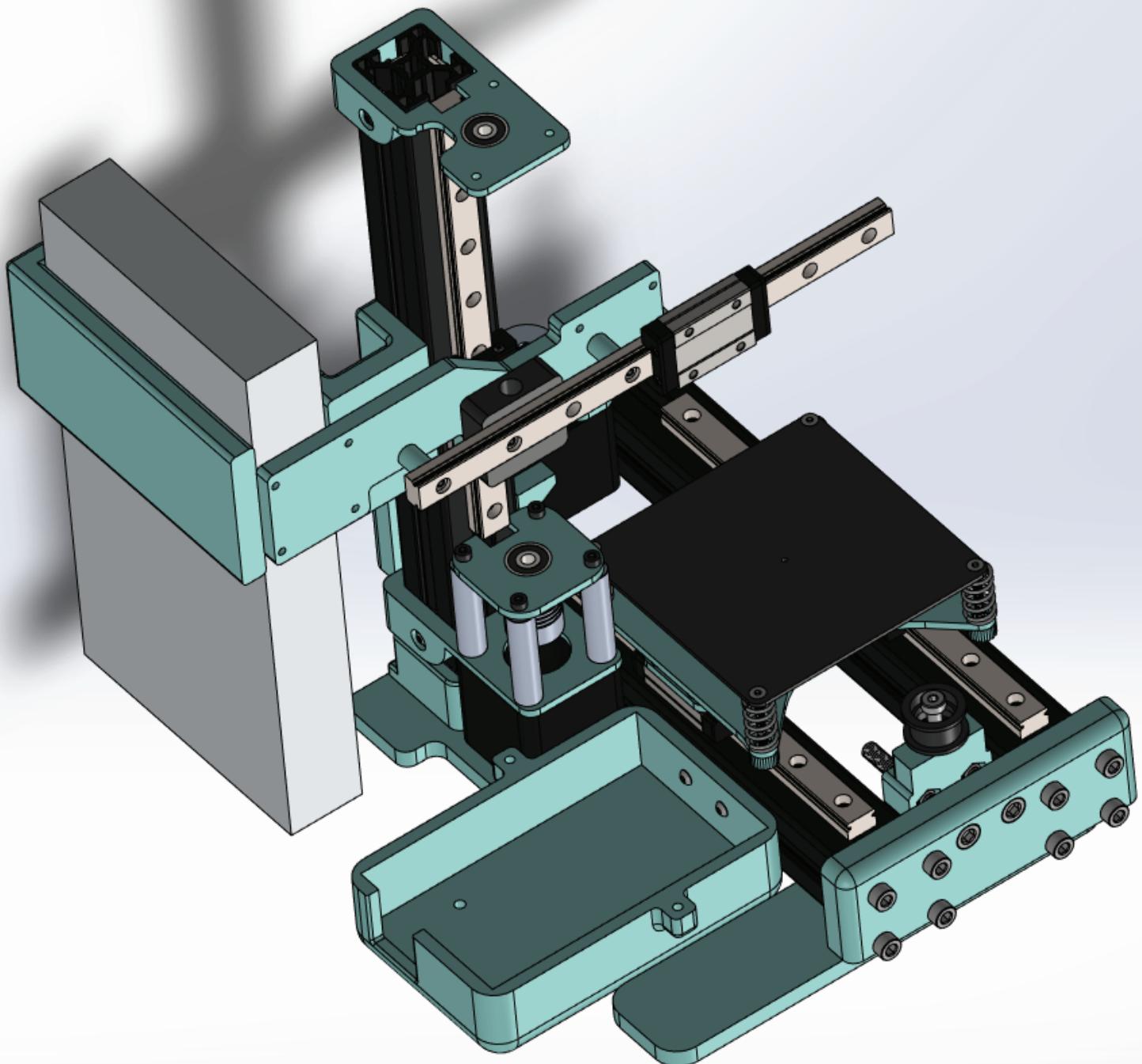
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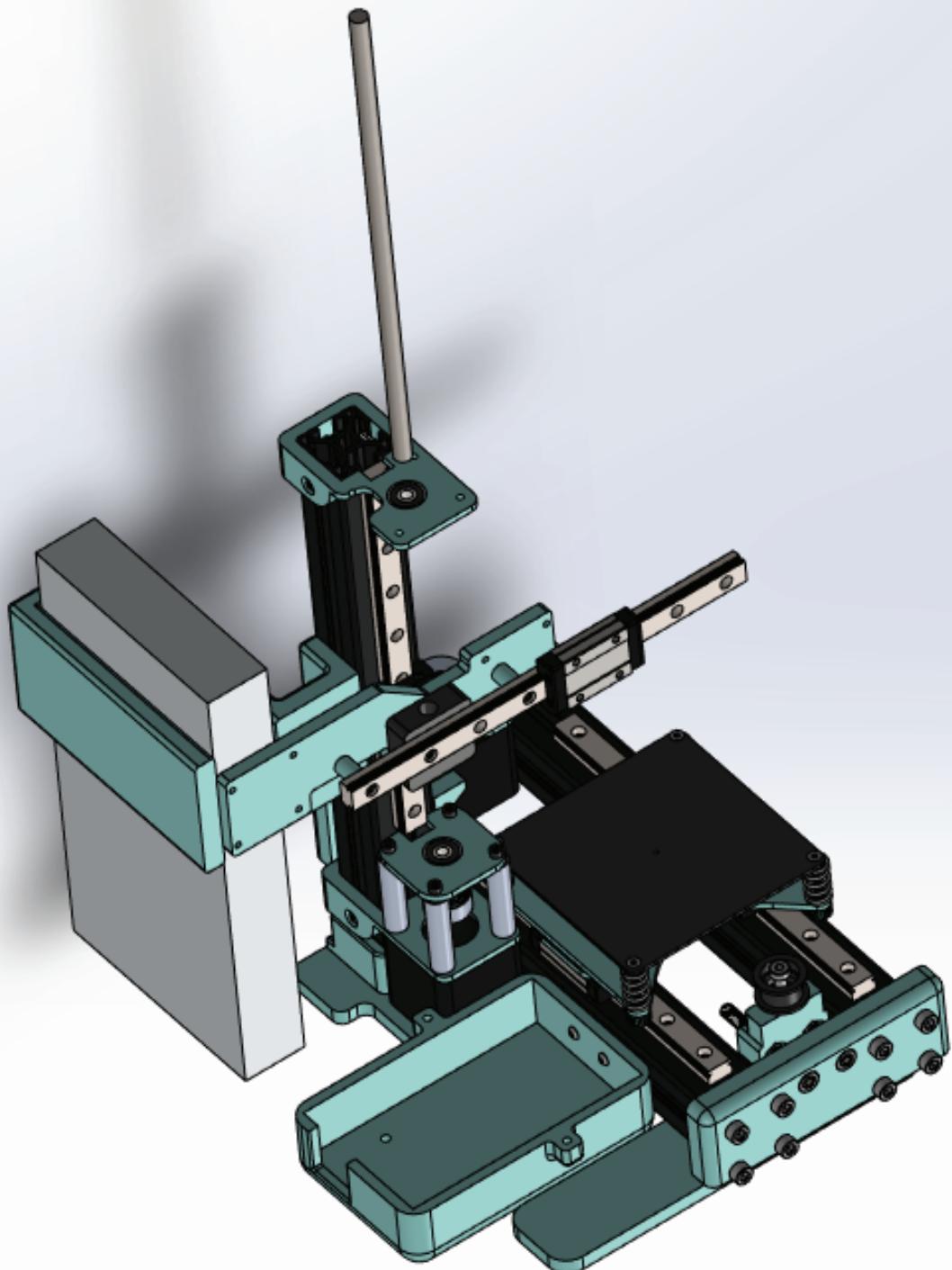
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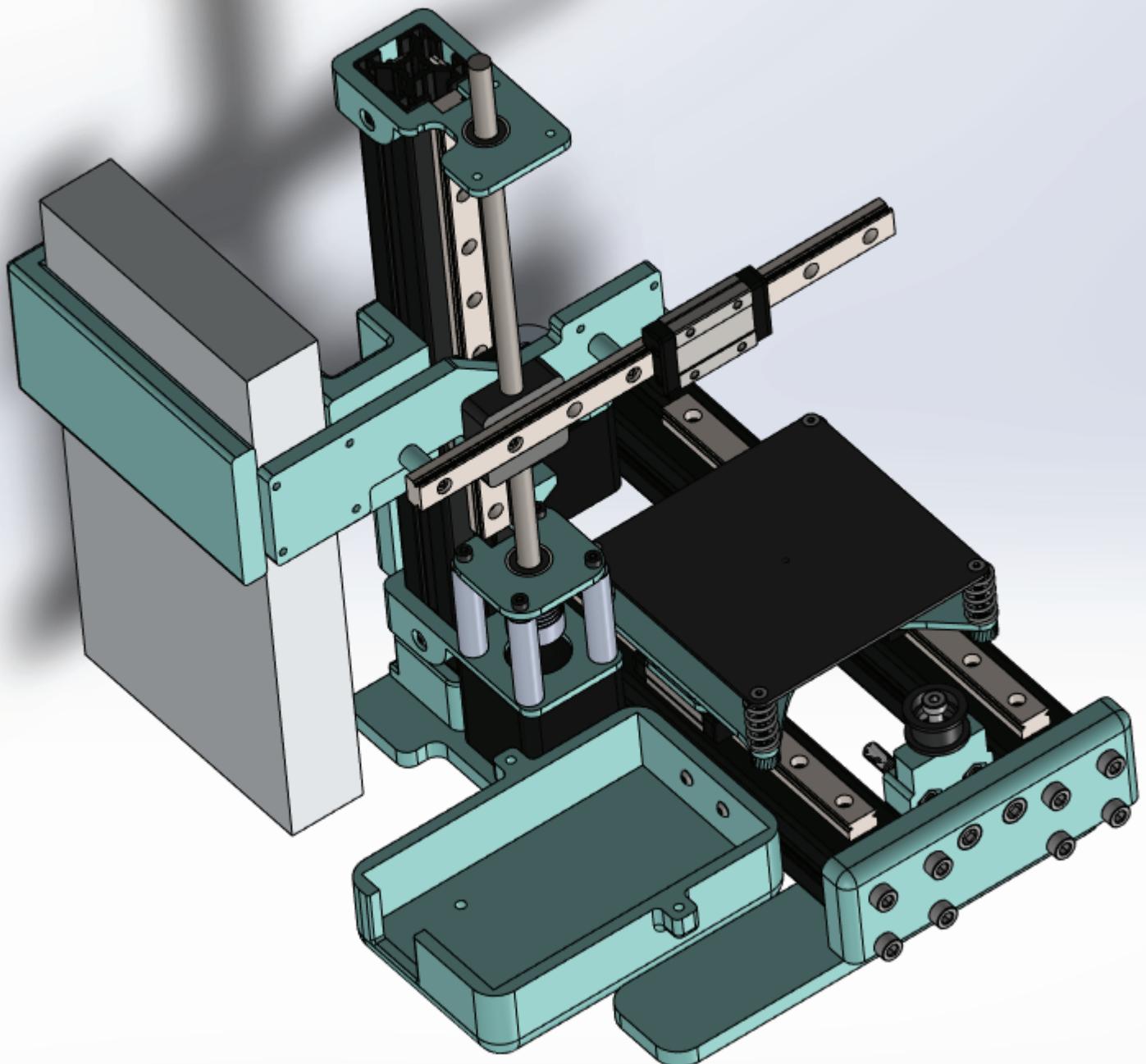
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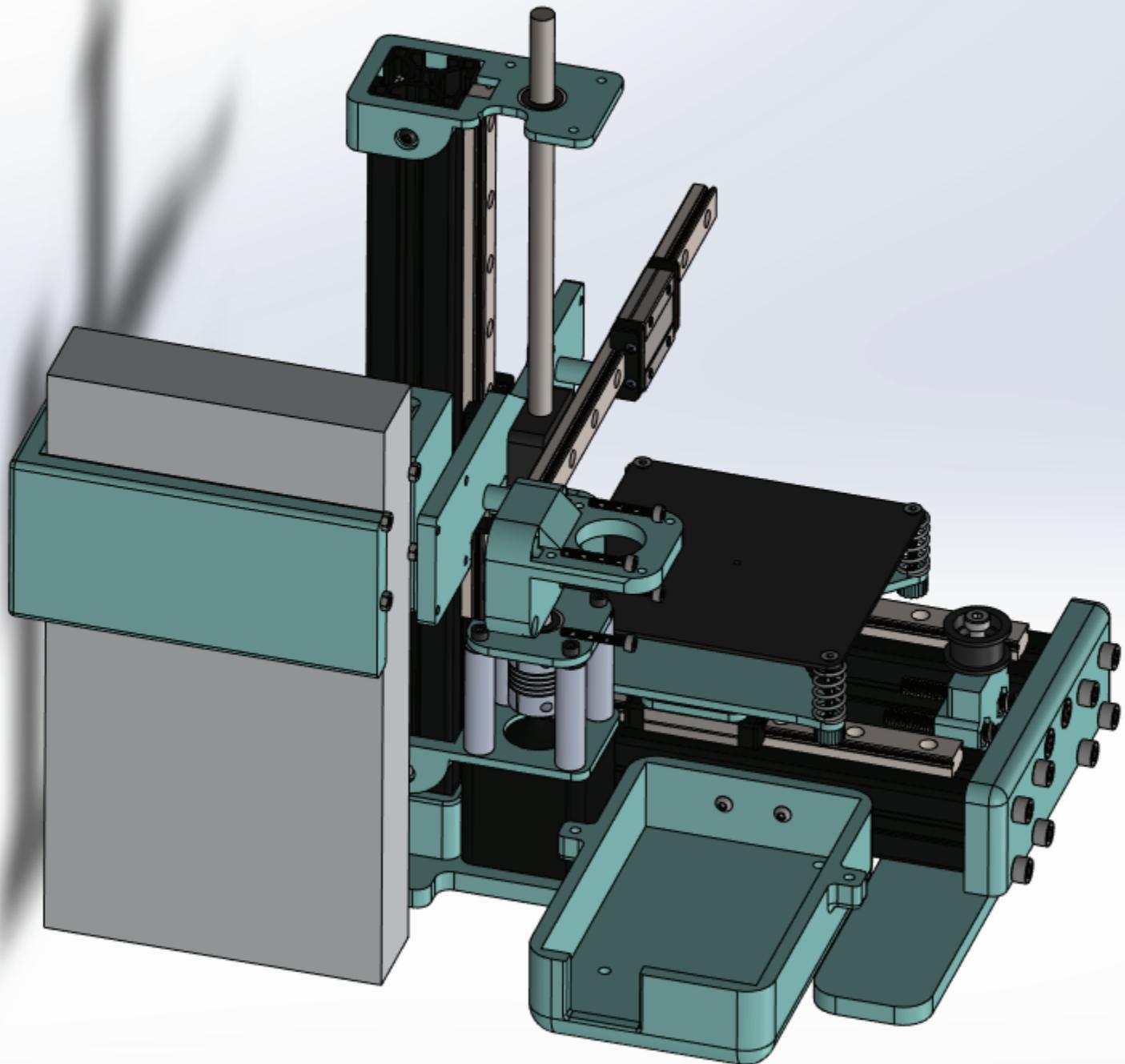
3x F19, 2x F14, 1x F15, 1x HW7, 1x P13



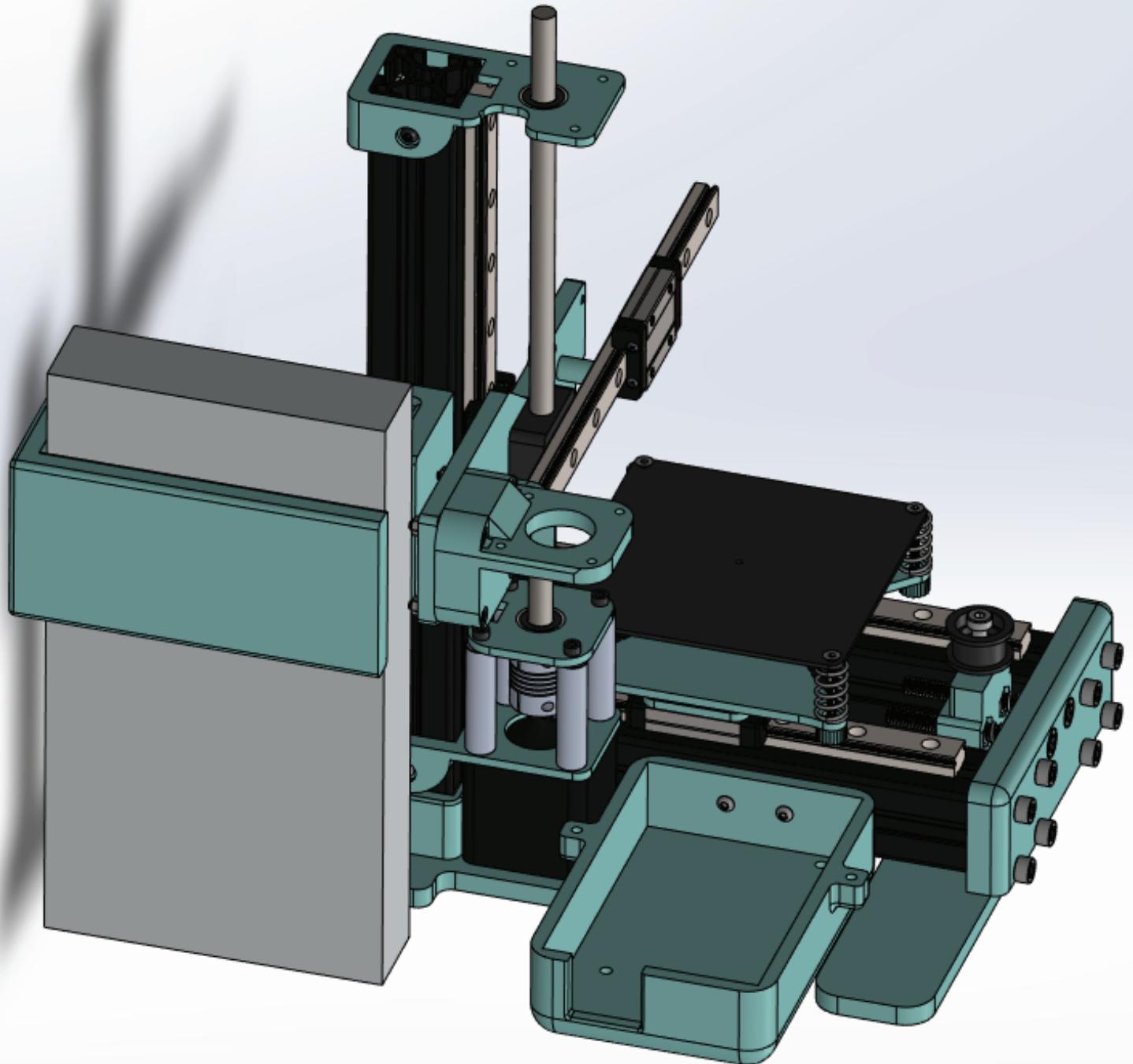
1x HW4



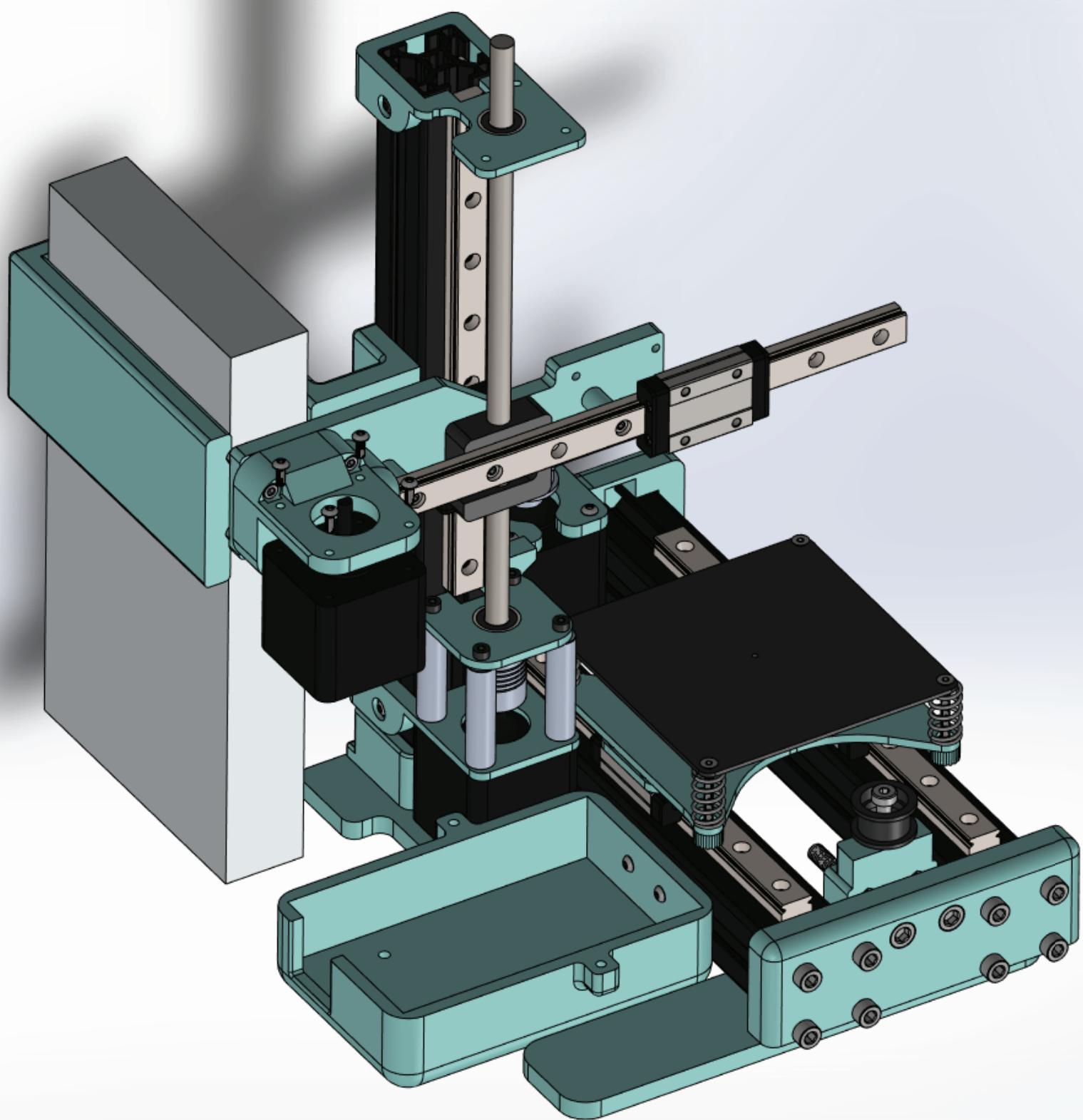
1x HW4



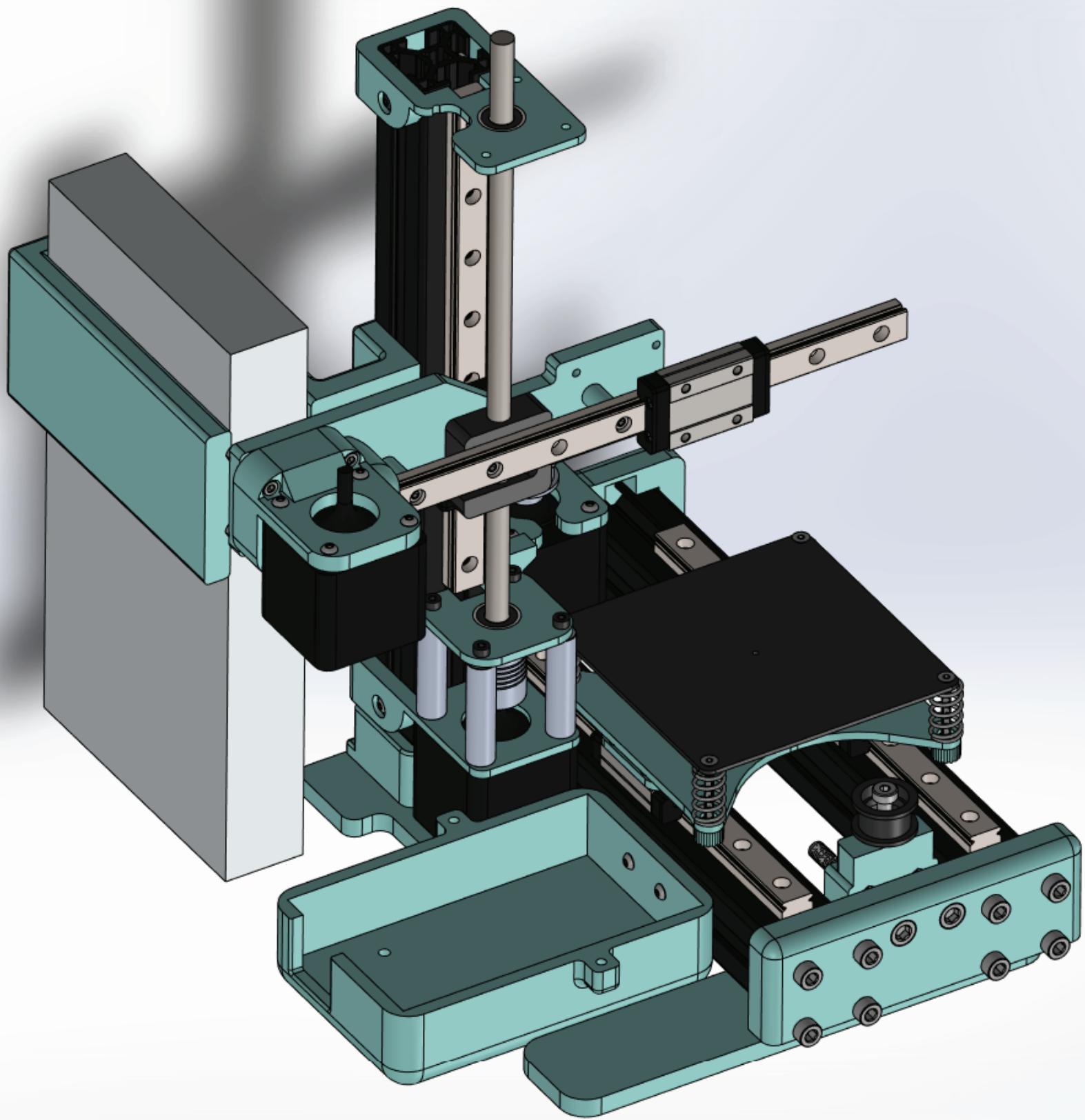
4x F4, 4x F20, 1x P2



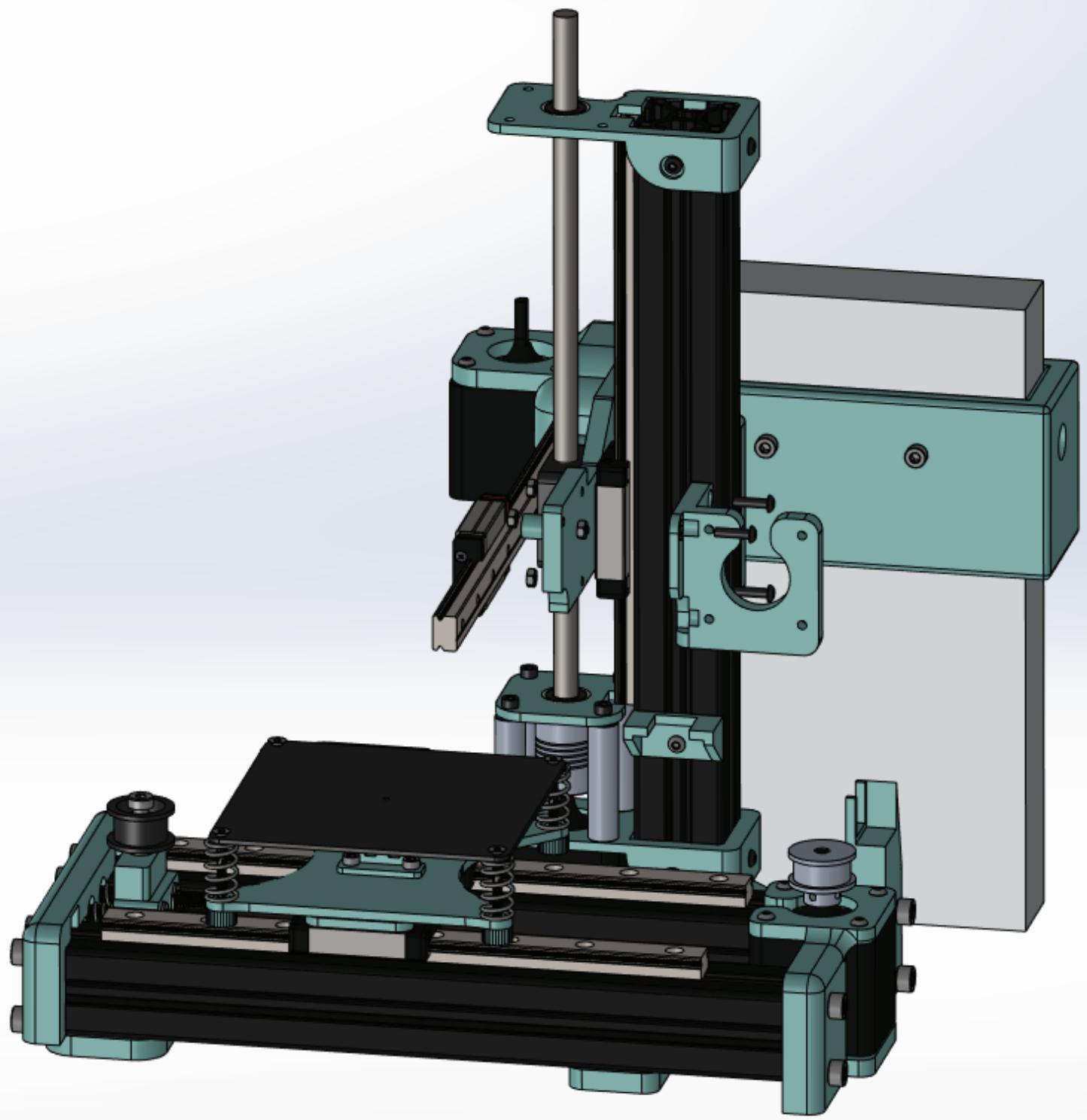
4x F4, 4x F20, 1x P2



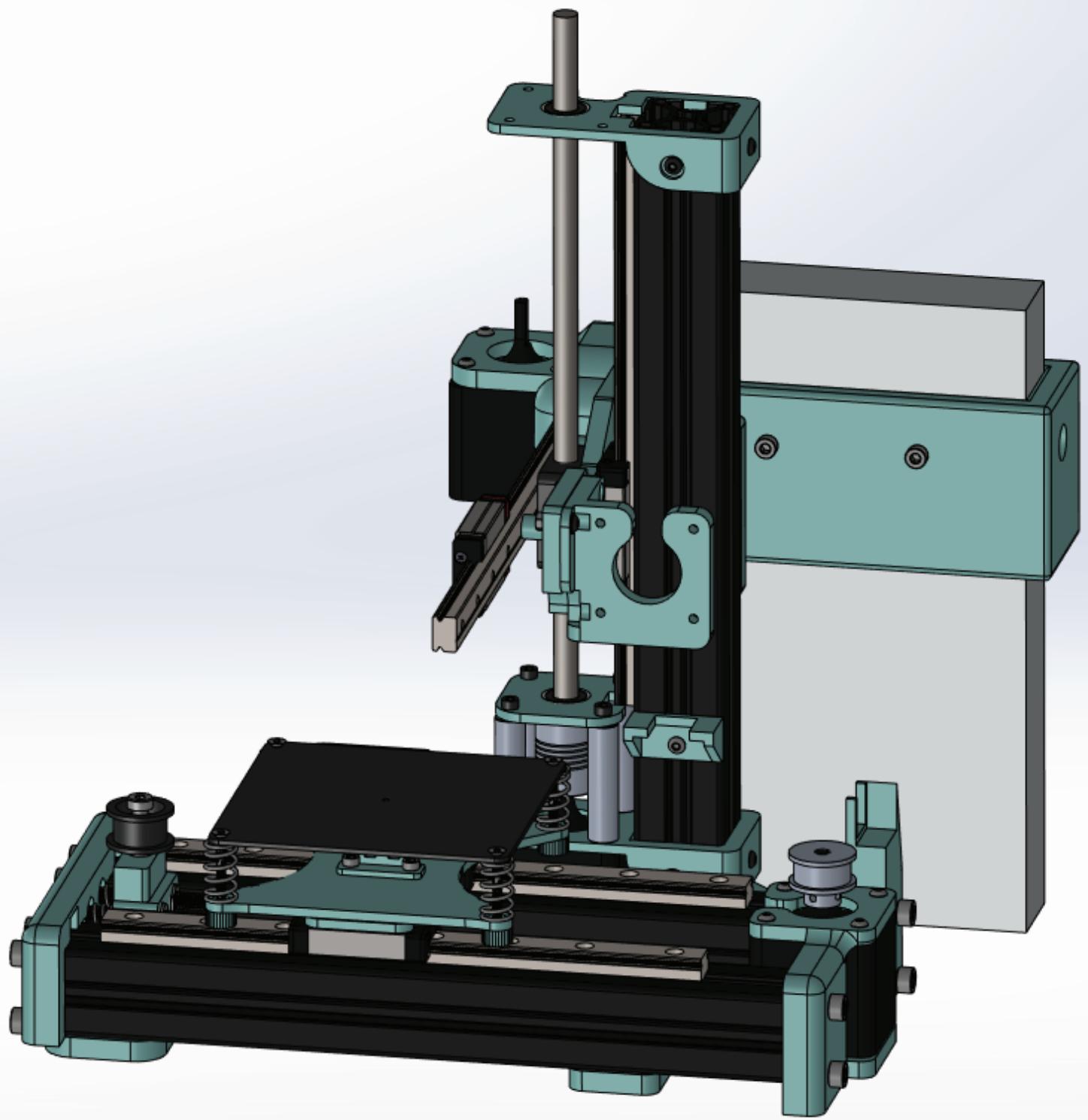
4x F14, 1x E7



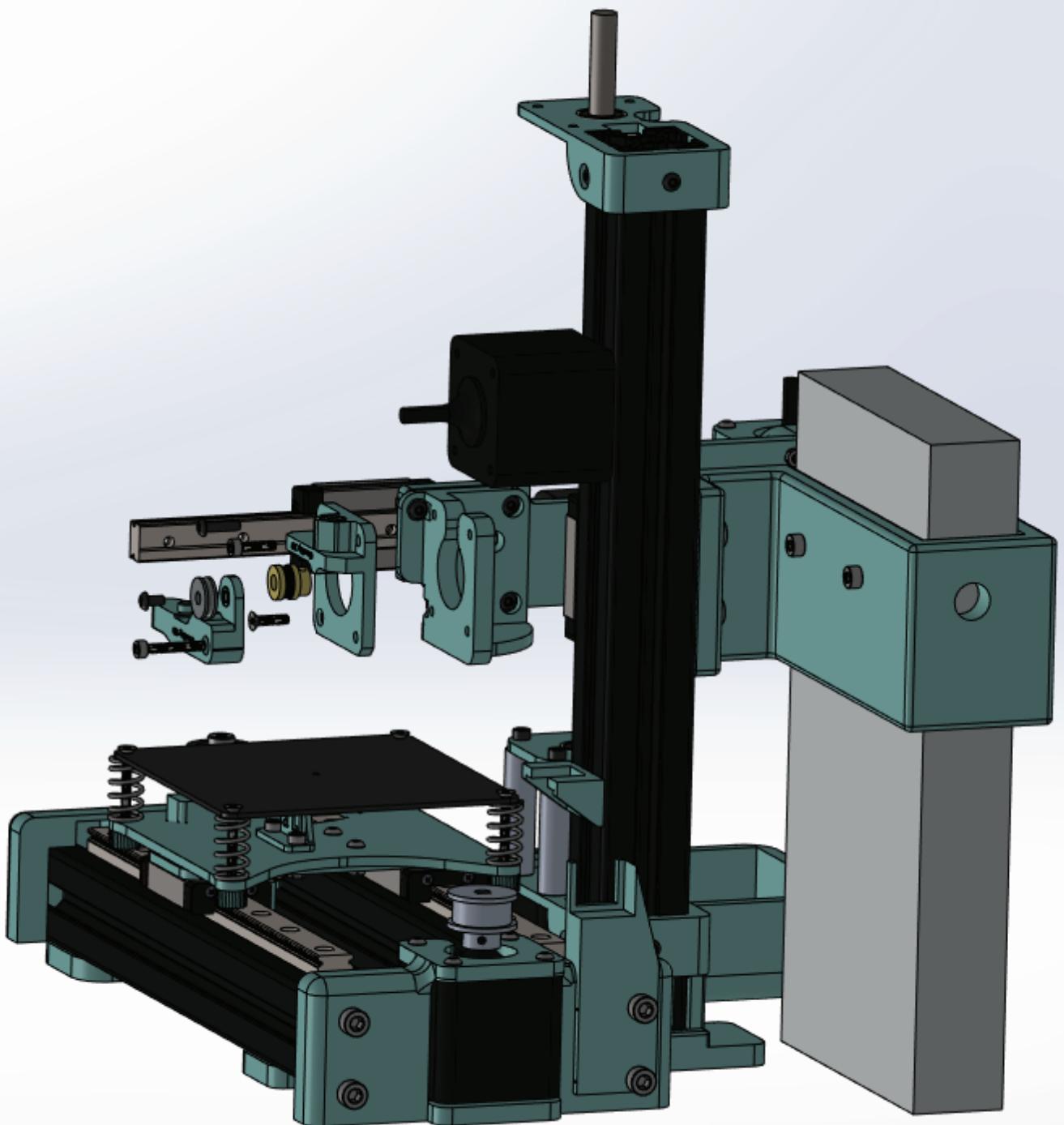
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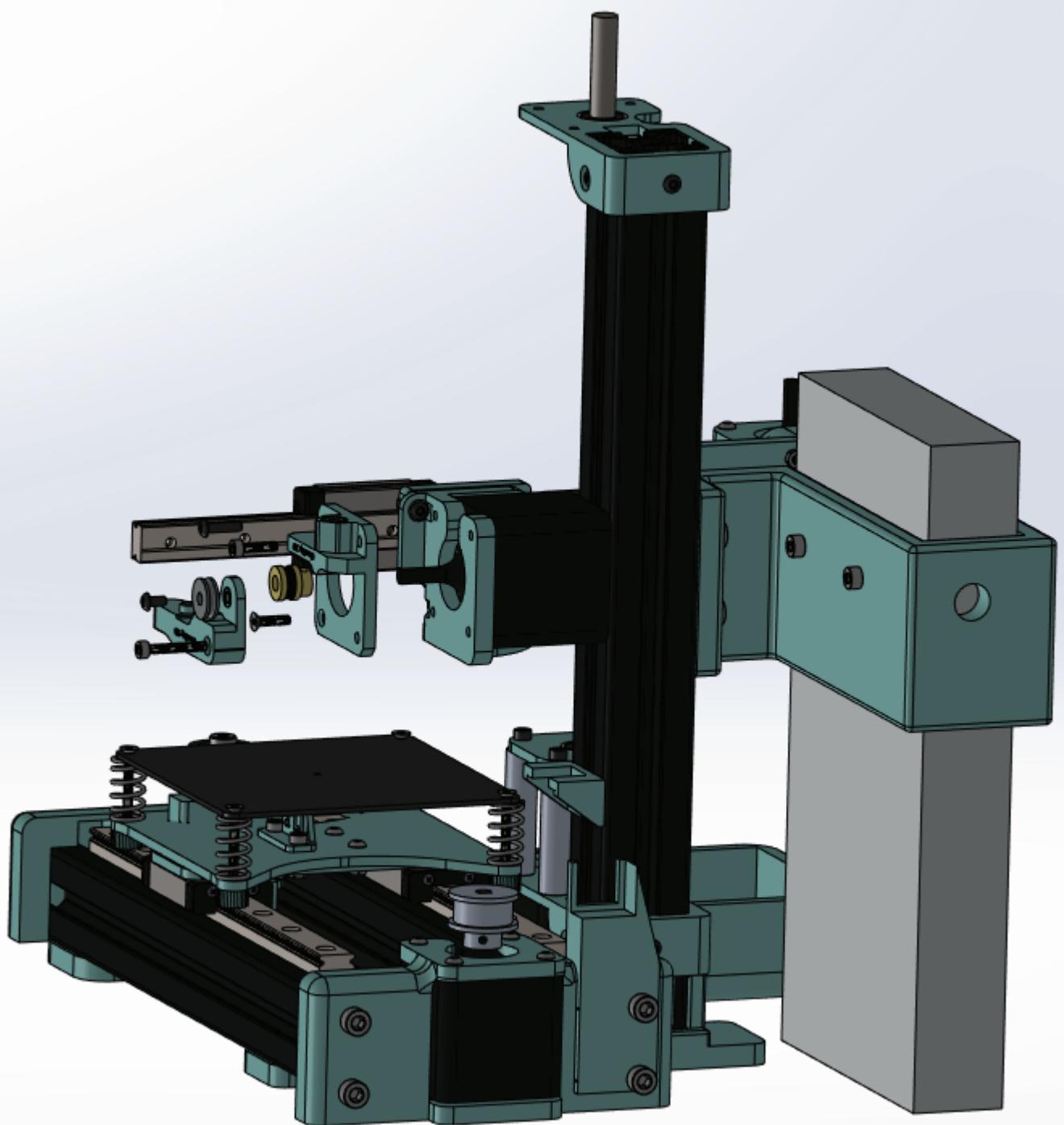
3x F15, 3x F20, 1x P16



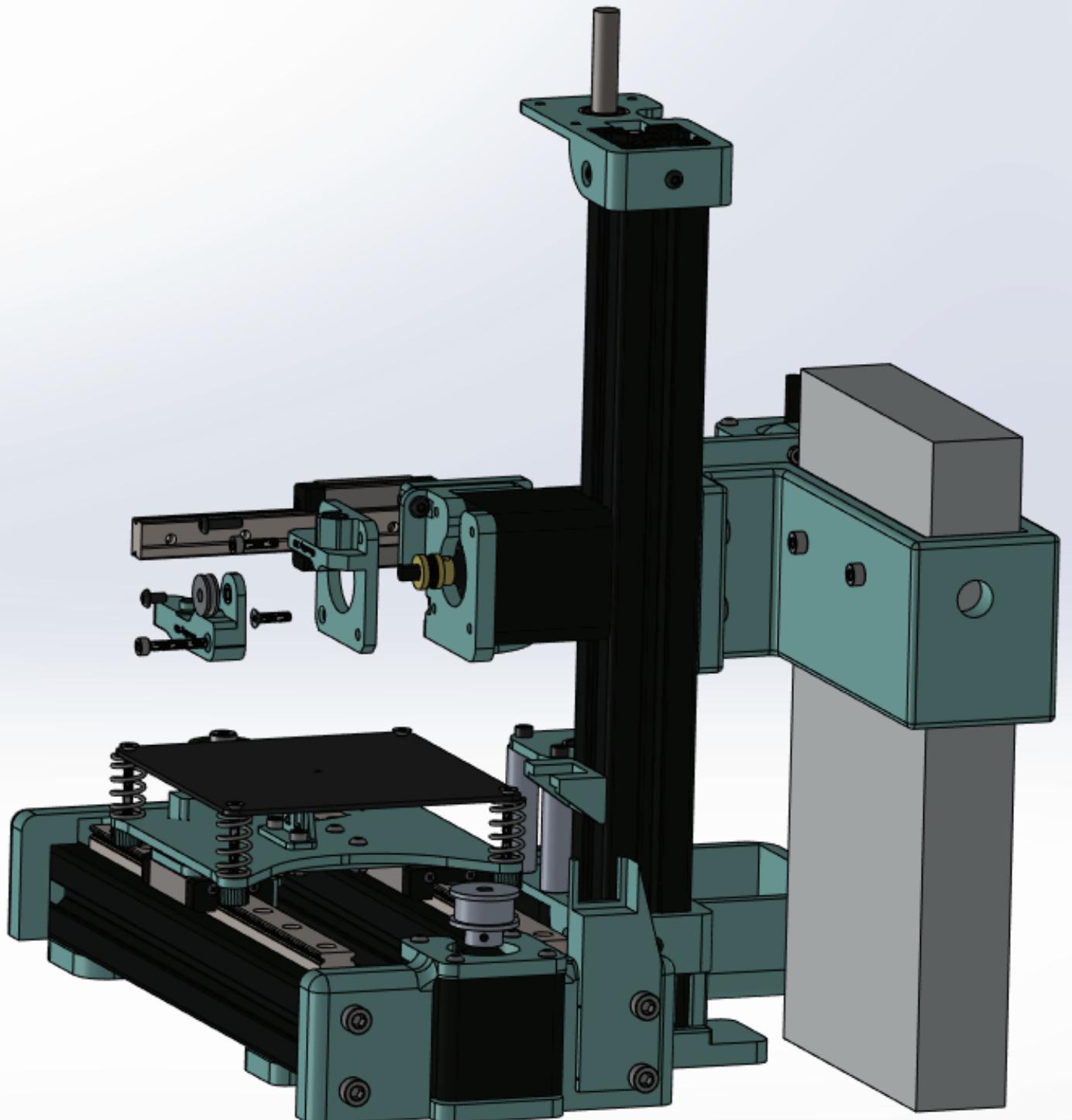
3x F15, 3x F20, 1x P16



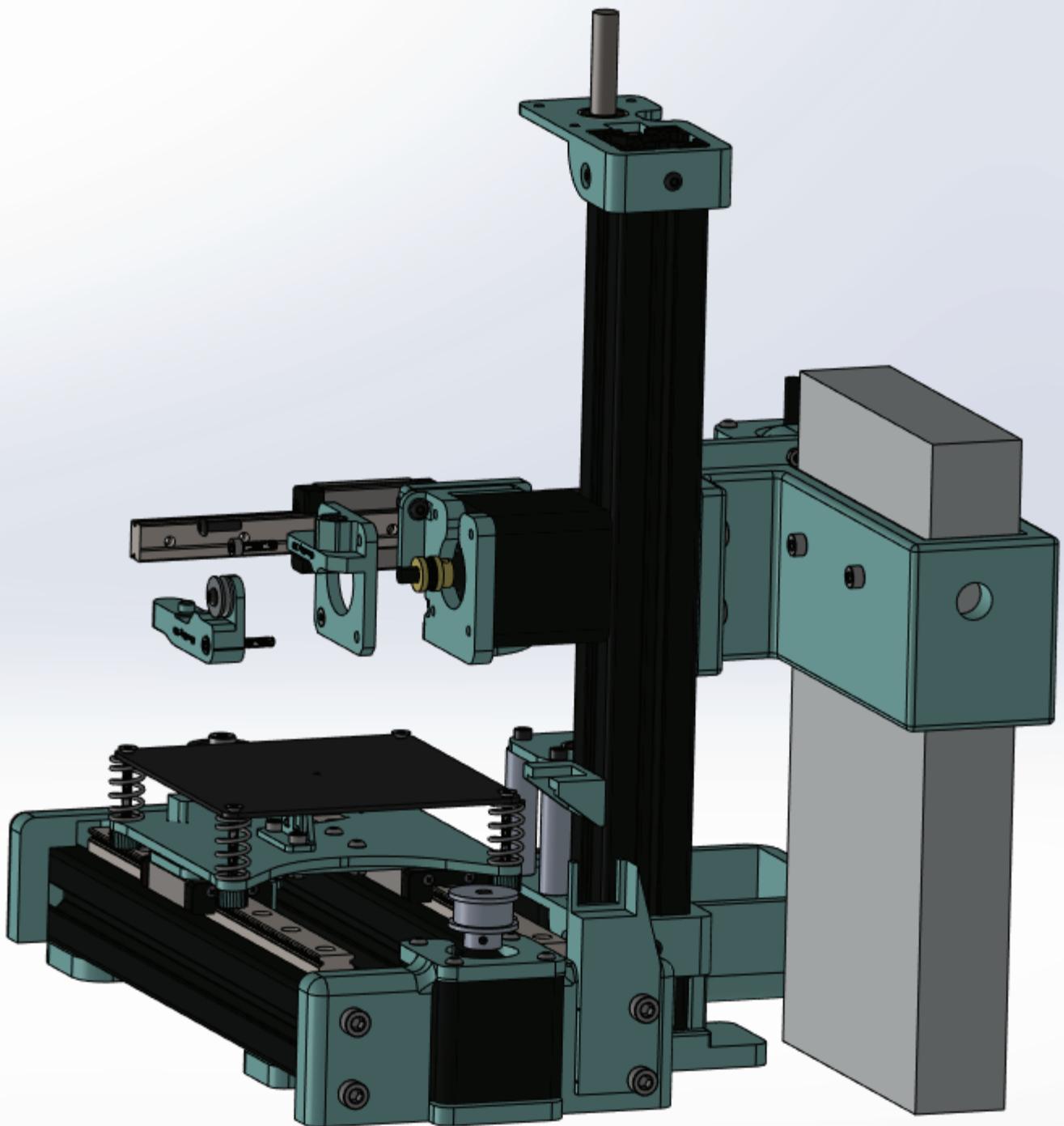
**1x F13, 1x F10, 1x F15, 1x F2, 1x F4,
1x HW11, 1x HW14, 1x P32, 1x P33**



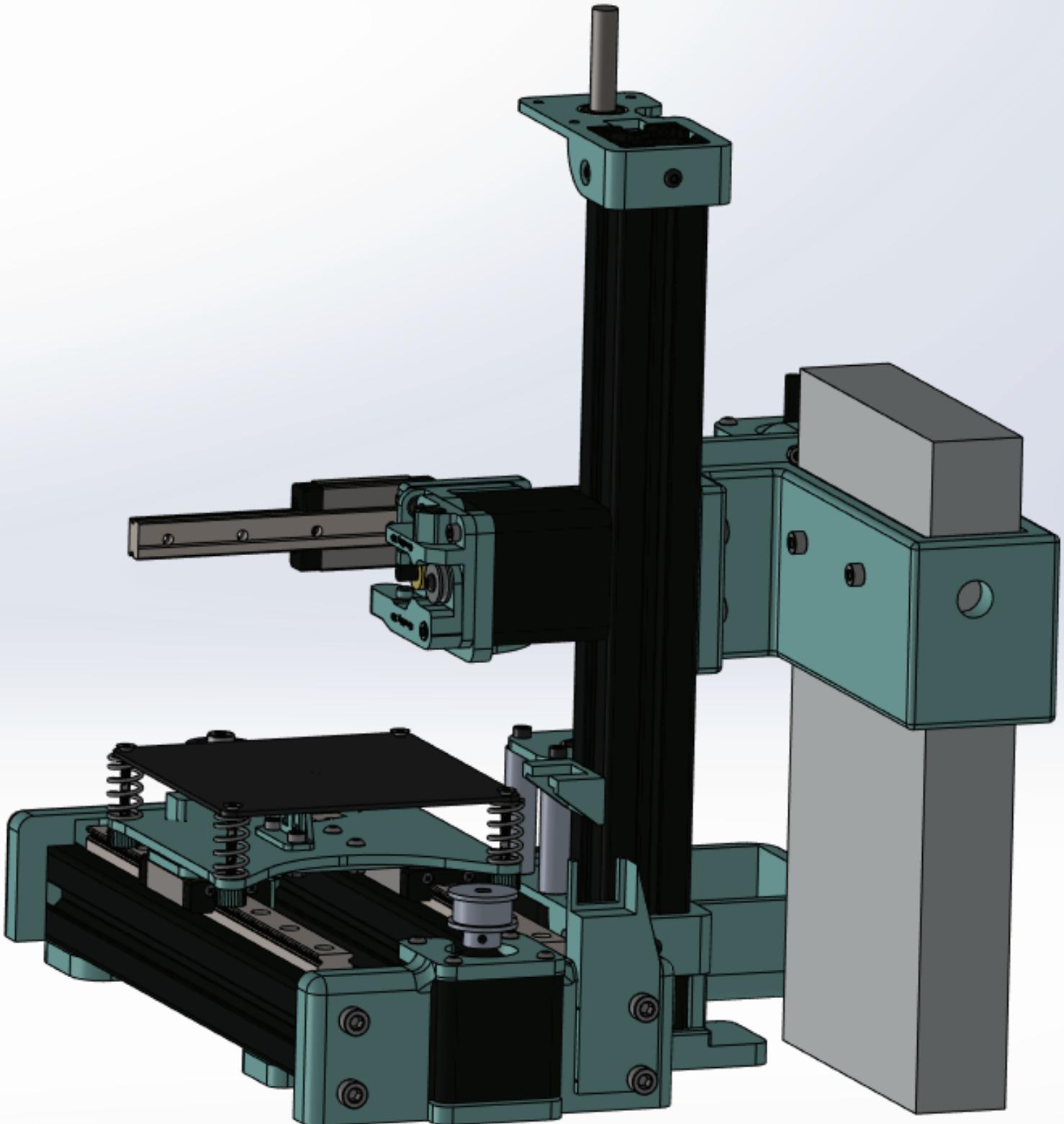
**1x F13, 1x F10, 1x F15, 1x F2, 1x F4,
1x HW11, 1x HW14, 1x P32, 1x P33**



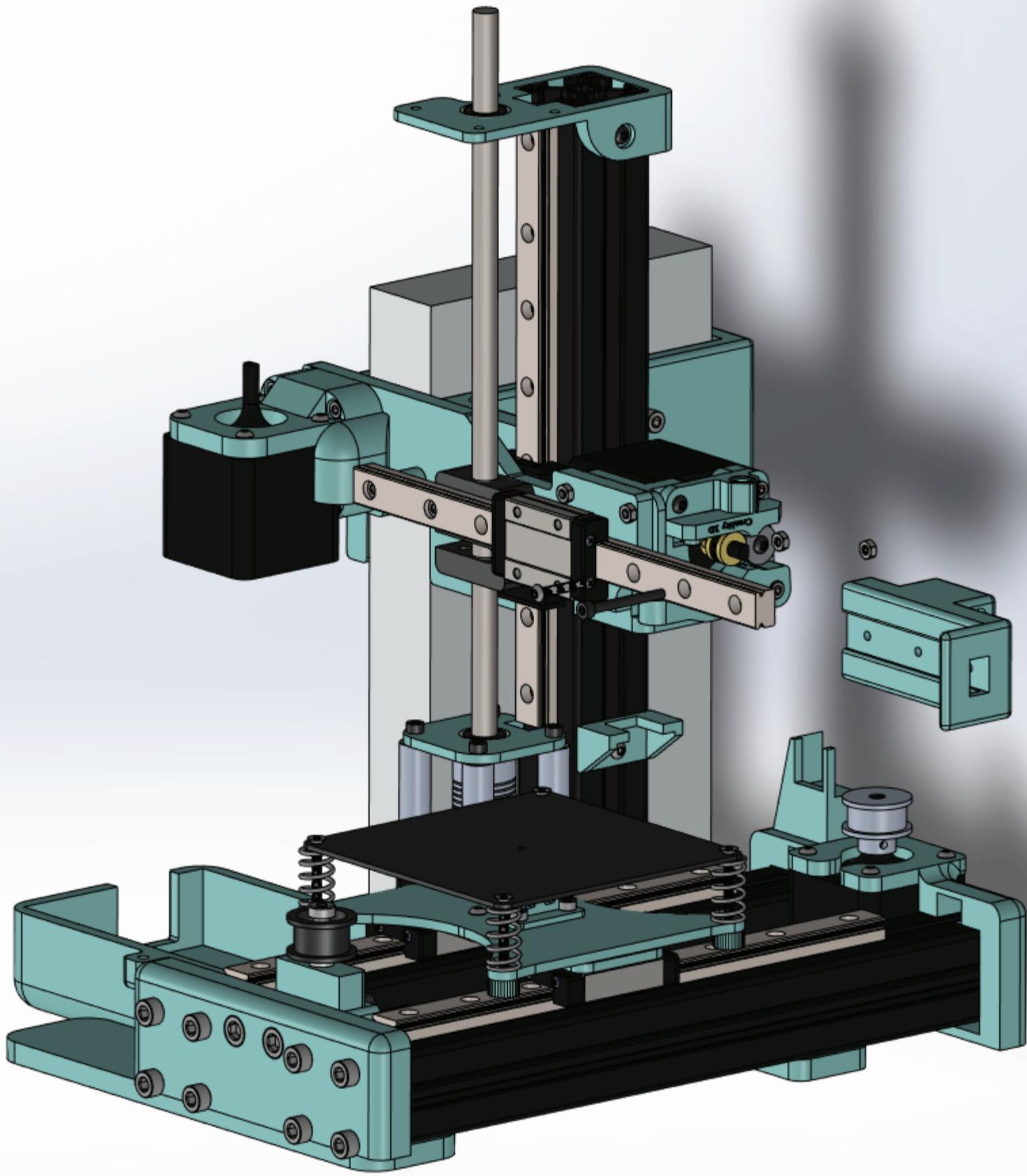
**1x F13, 1x F10, 1x F15, 1x F2, 1x F4,
1x HW11, 1x HW14, 1x P32, 1x P33**



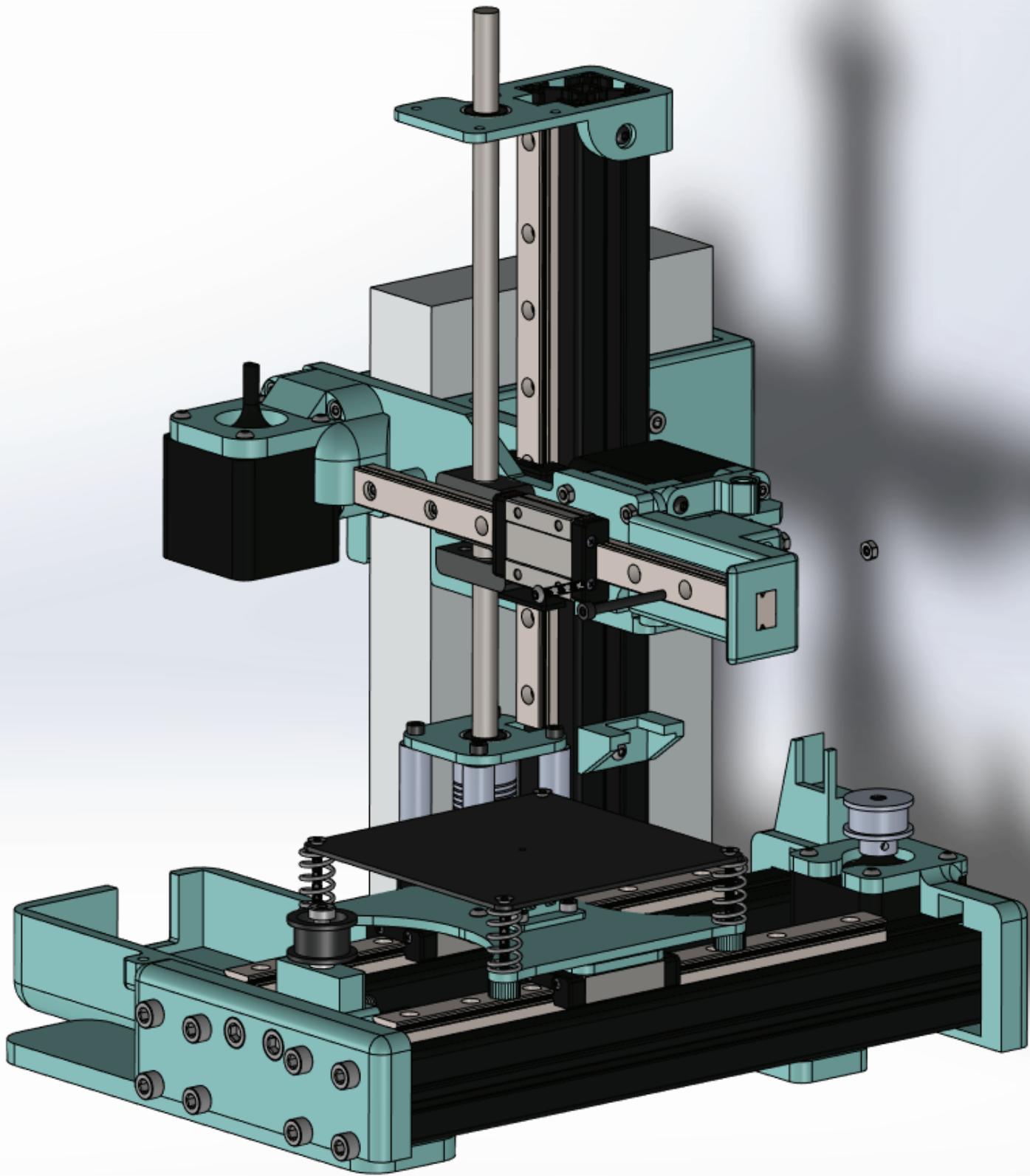
**1x F13, 1x F10, 1x F15, 1x F2, 1x F4,
1x HW11, 1x HW14, 1x P32, 1x P33**



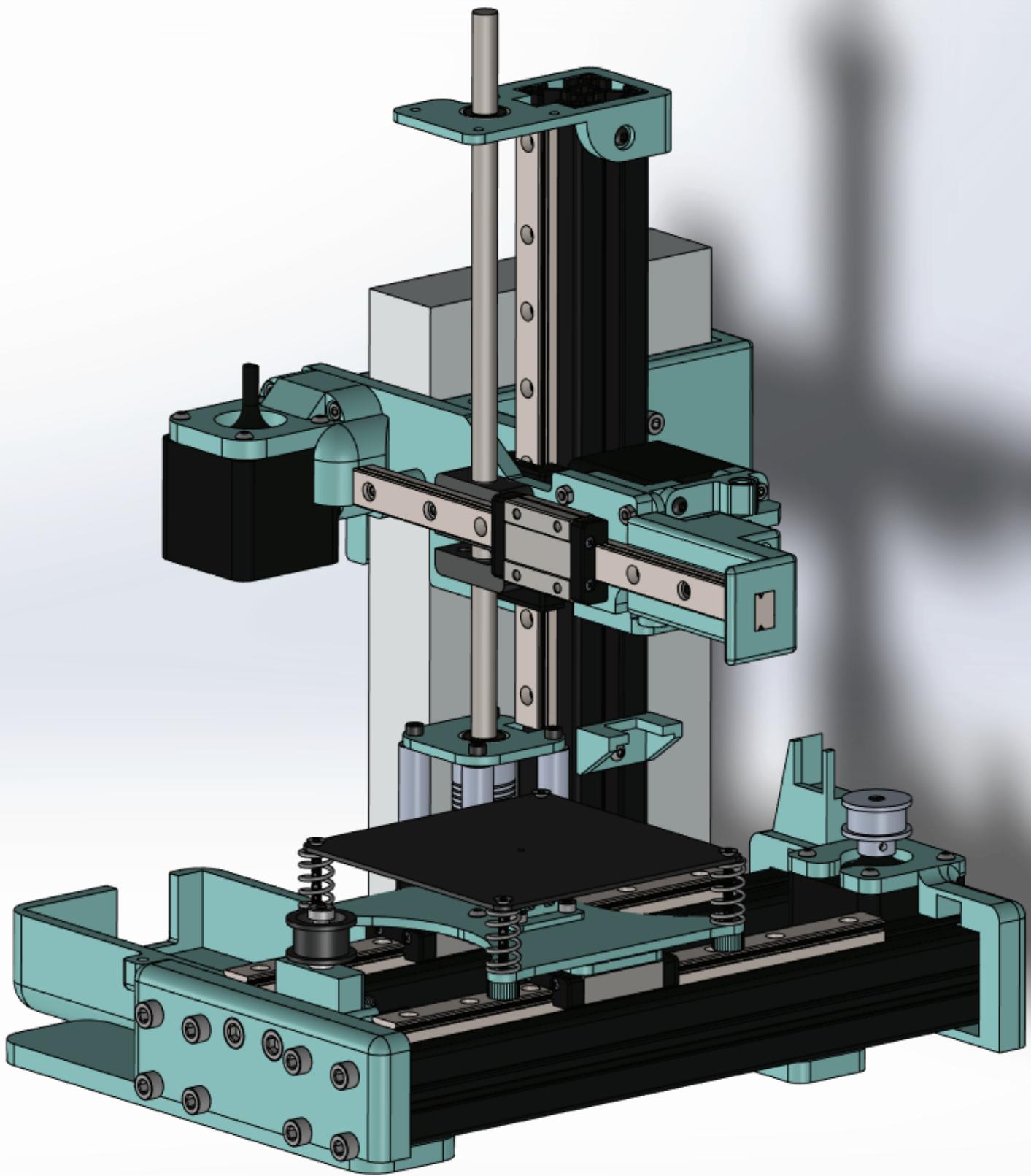
**1x F13, 1x F10, 1x F15, 1x F2, 1x F4,
1x HW11, 1x HW14, 1x P32, 1x P33**



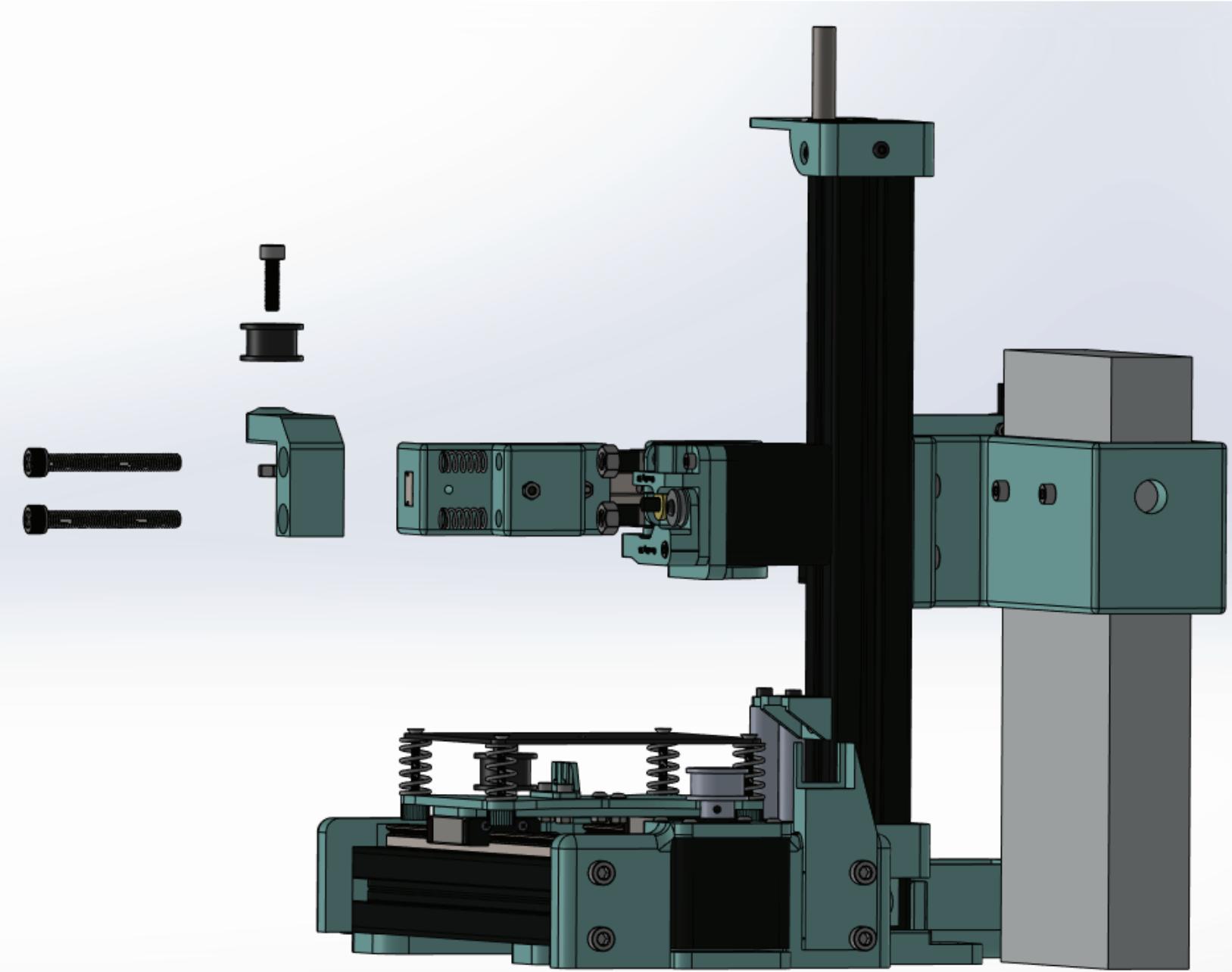
2x F20, 1x F16, 1x F6, 1x P6



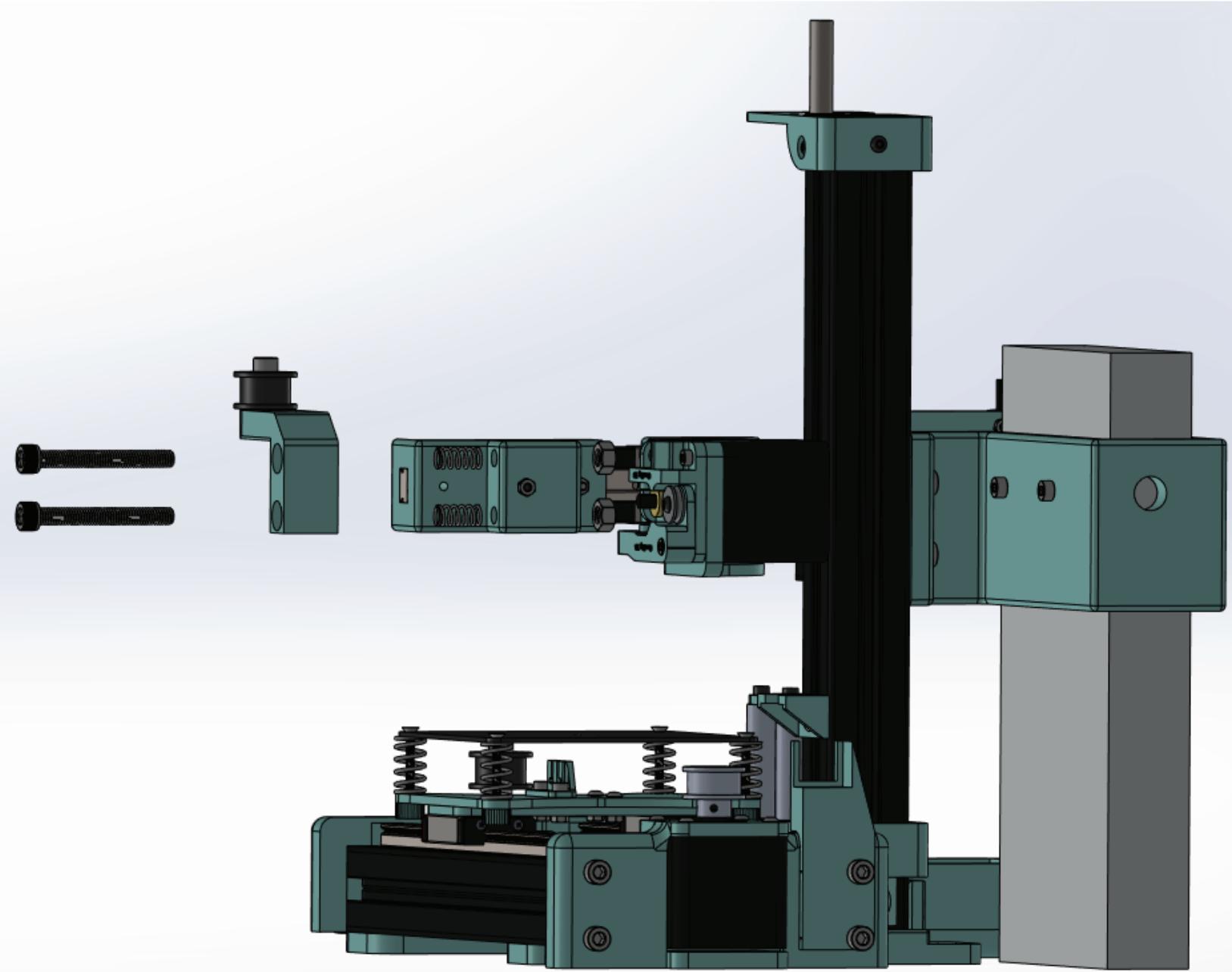
2x F20, 1x F16, 1x F6, 1x P6



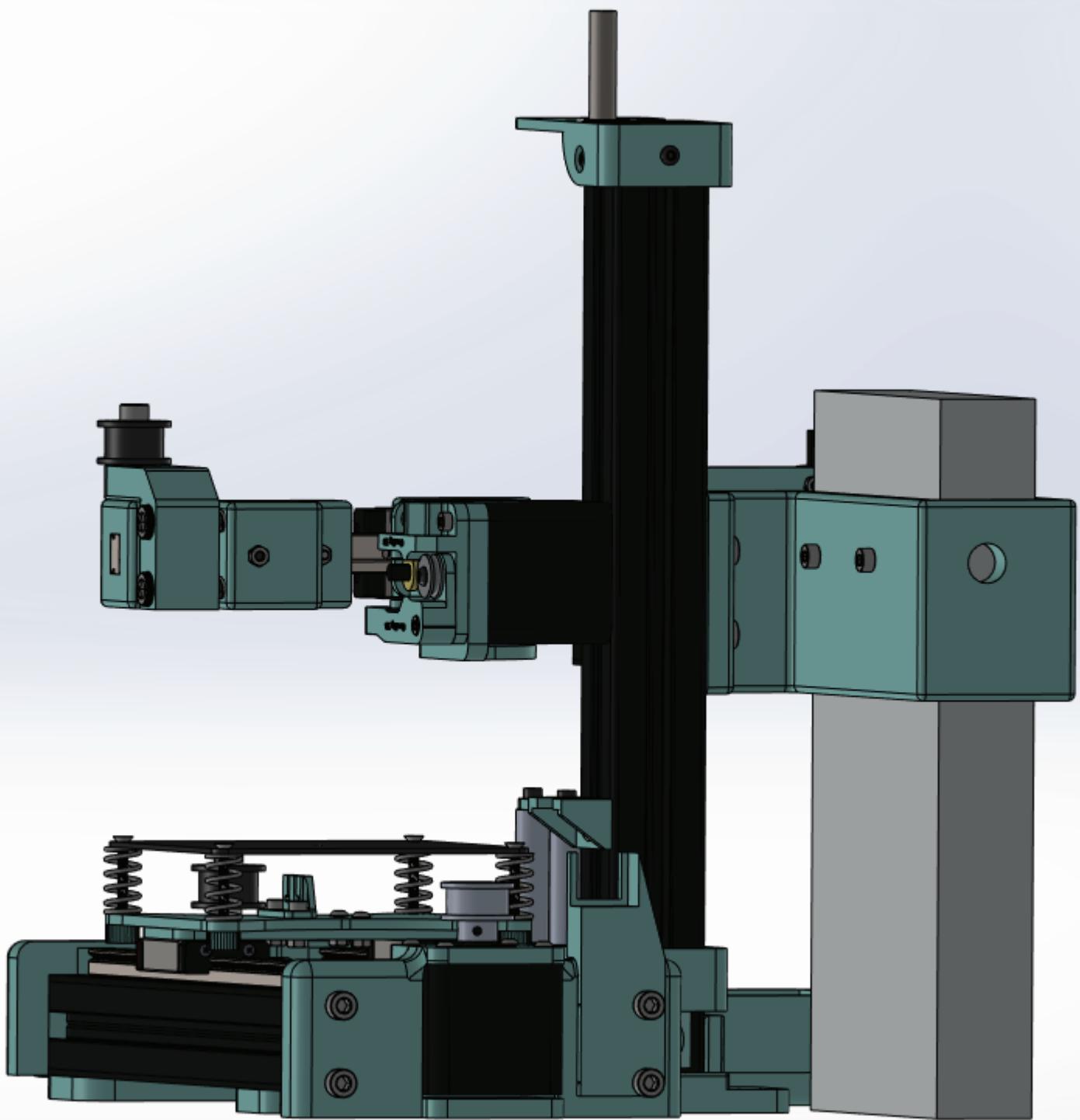
2x F20, 1x F16, 1x F6, 1x P6



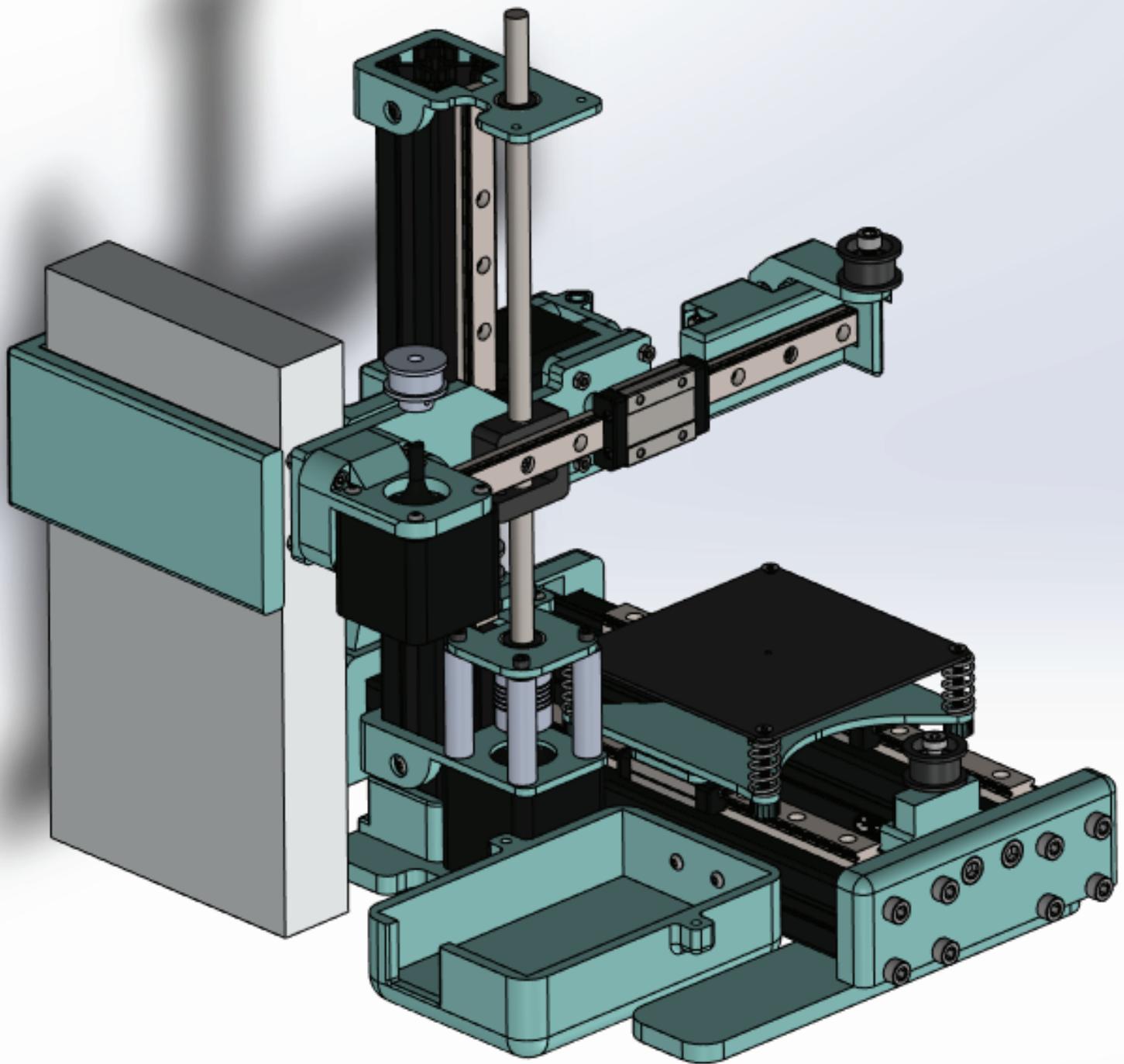
**2x F31, 2x F32, 2x F33, 1x F25,
1x F30, 1x HW10, 1x P15**



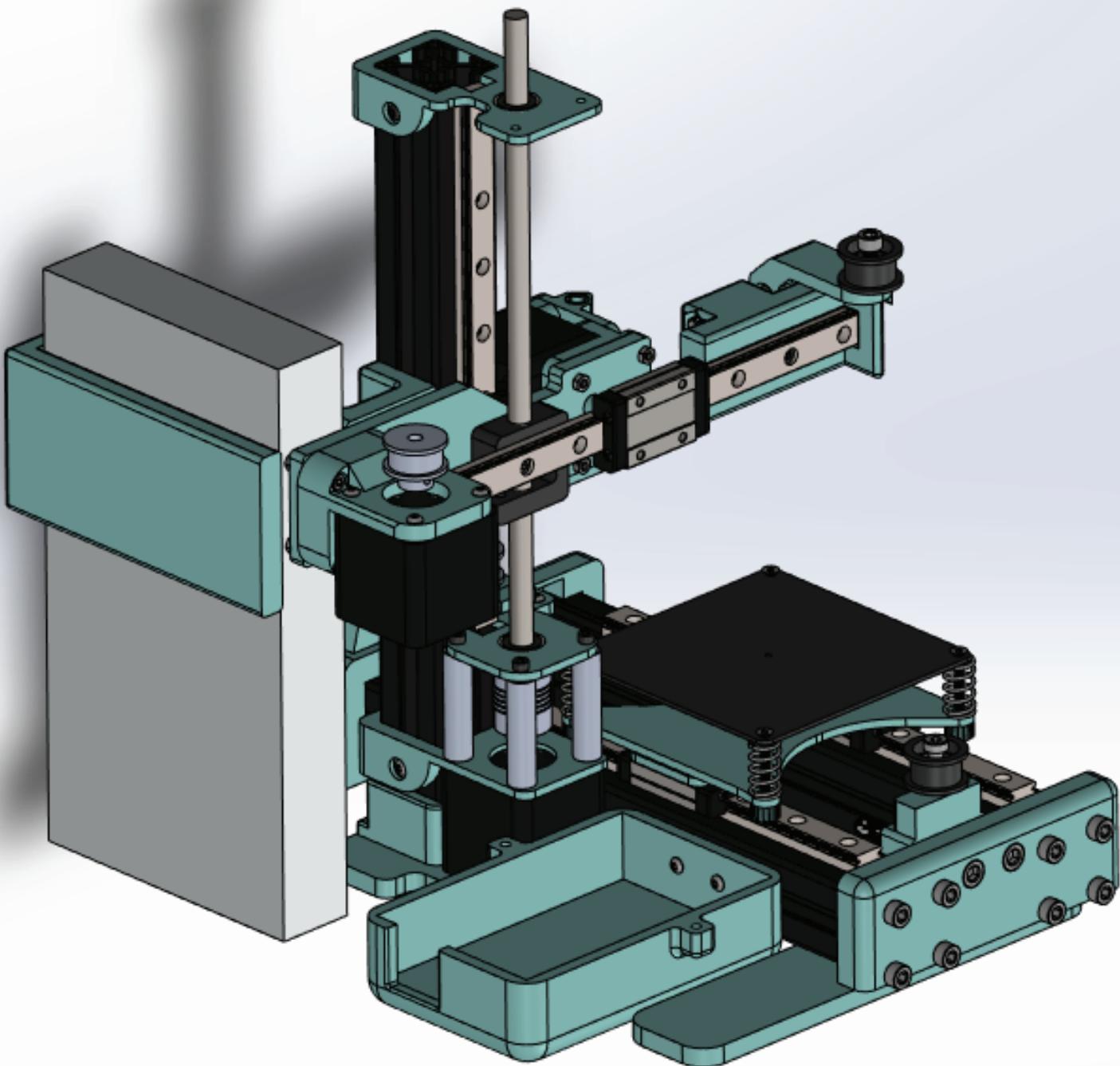
**2x F31, 2x F32, 2x F33, 1x F25,
1x F30, 1x HW10, 1x P15**



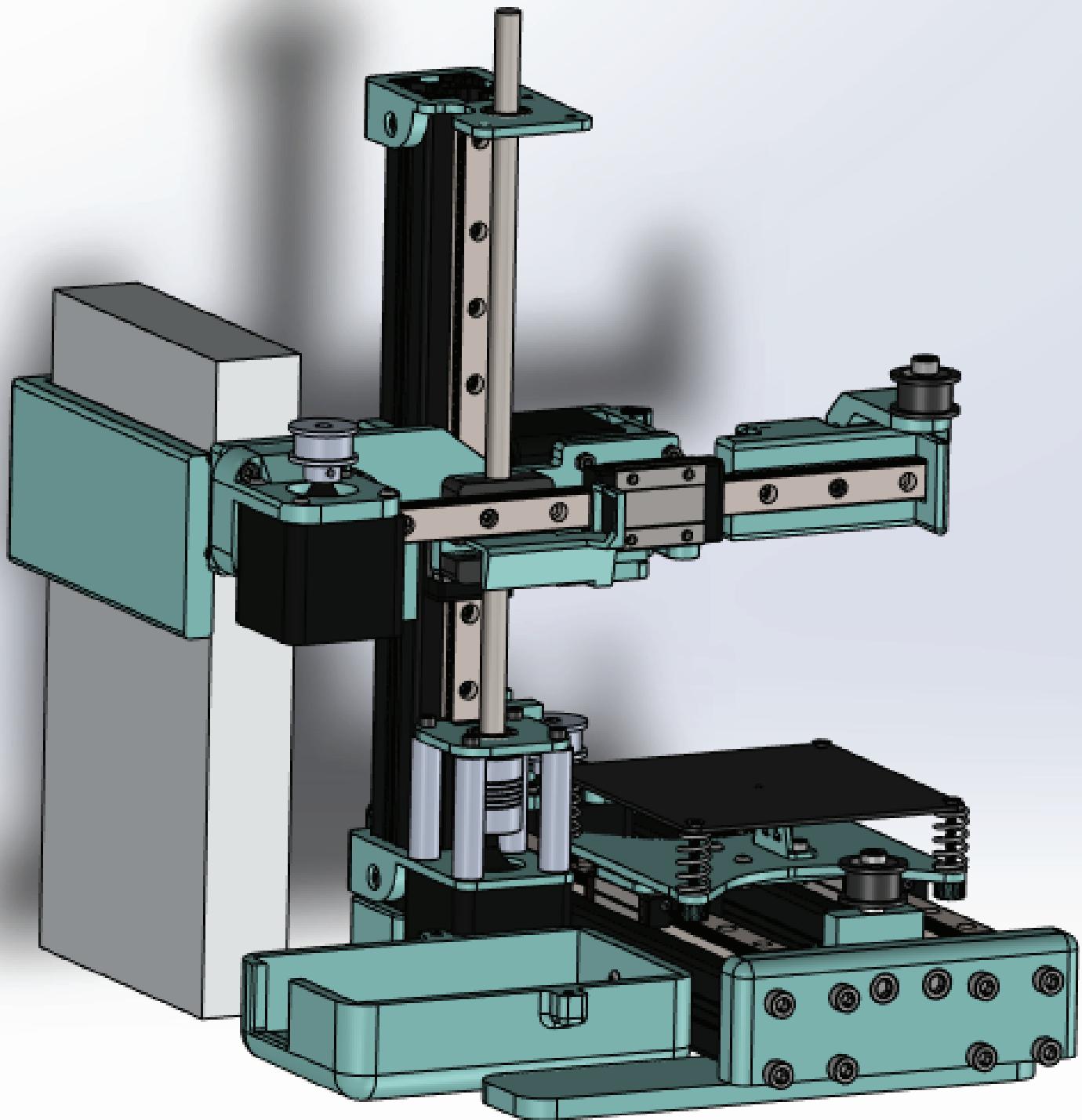
**2x F31, 2x F32, 2x F33, 1x F25,
1x F30, 1x HW10, 1x P15**



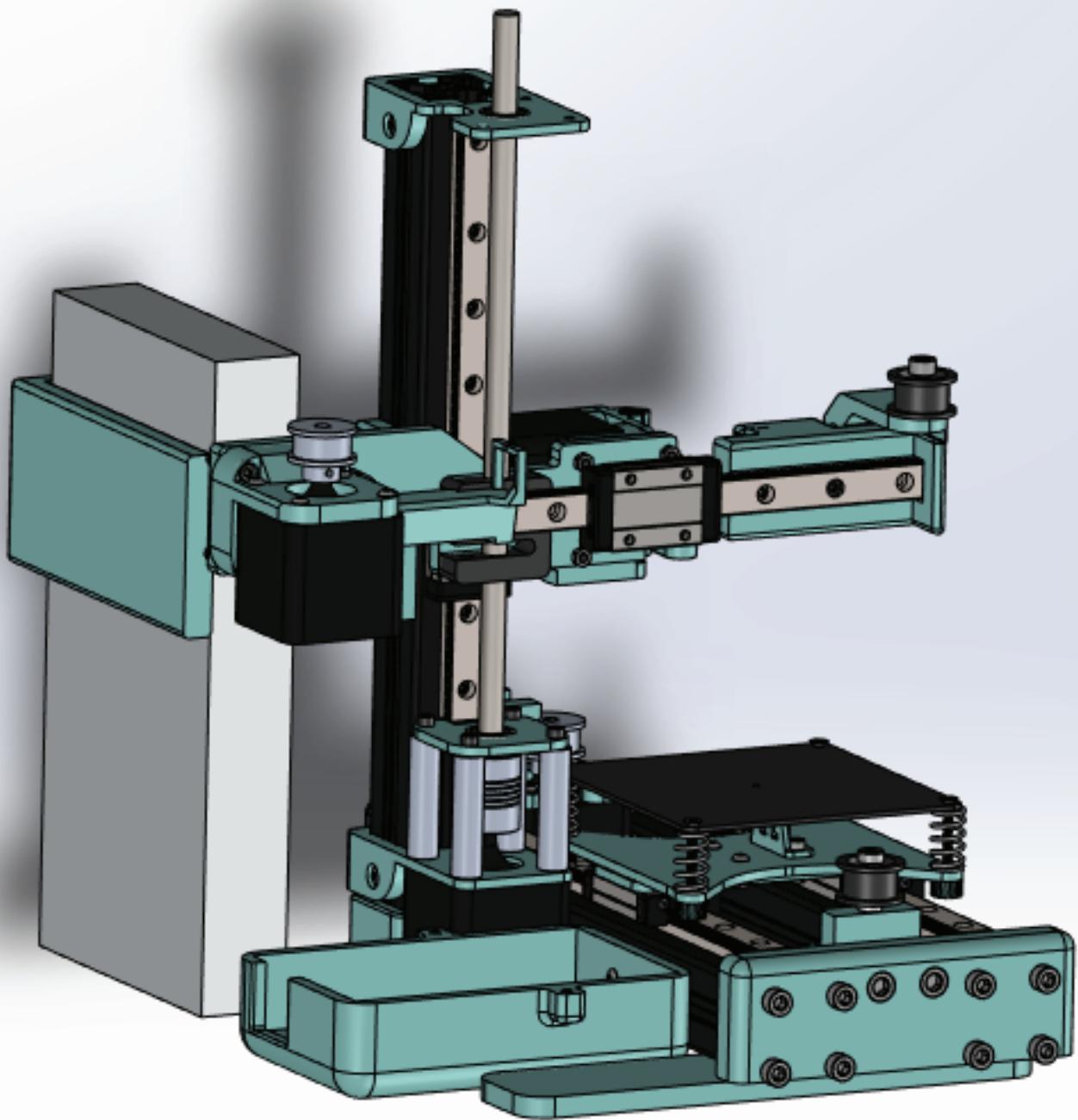
1x HW12



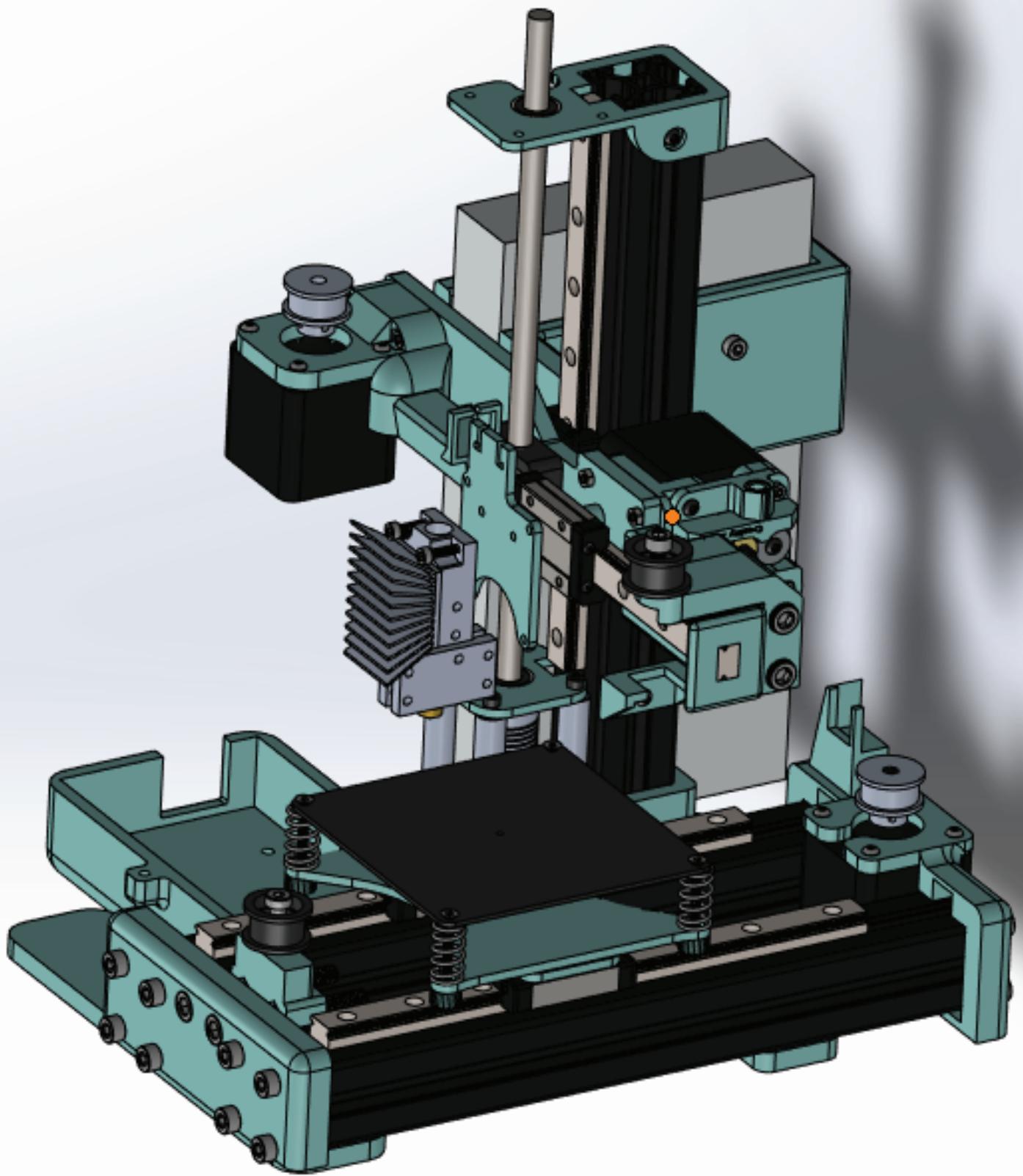
1x HW12



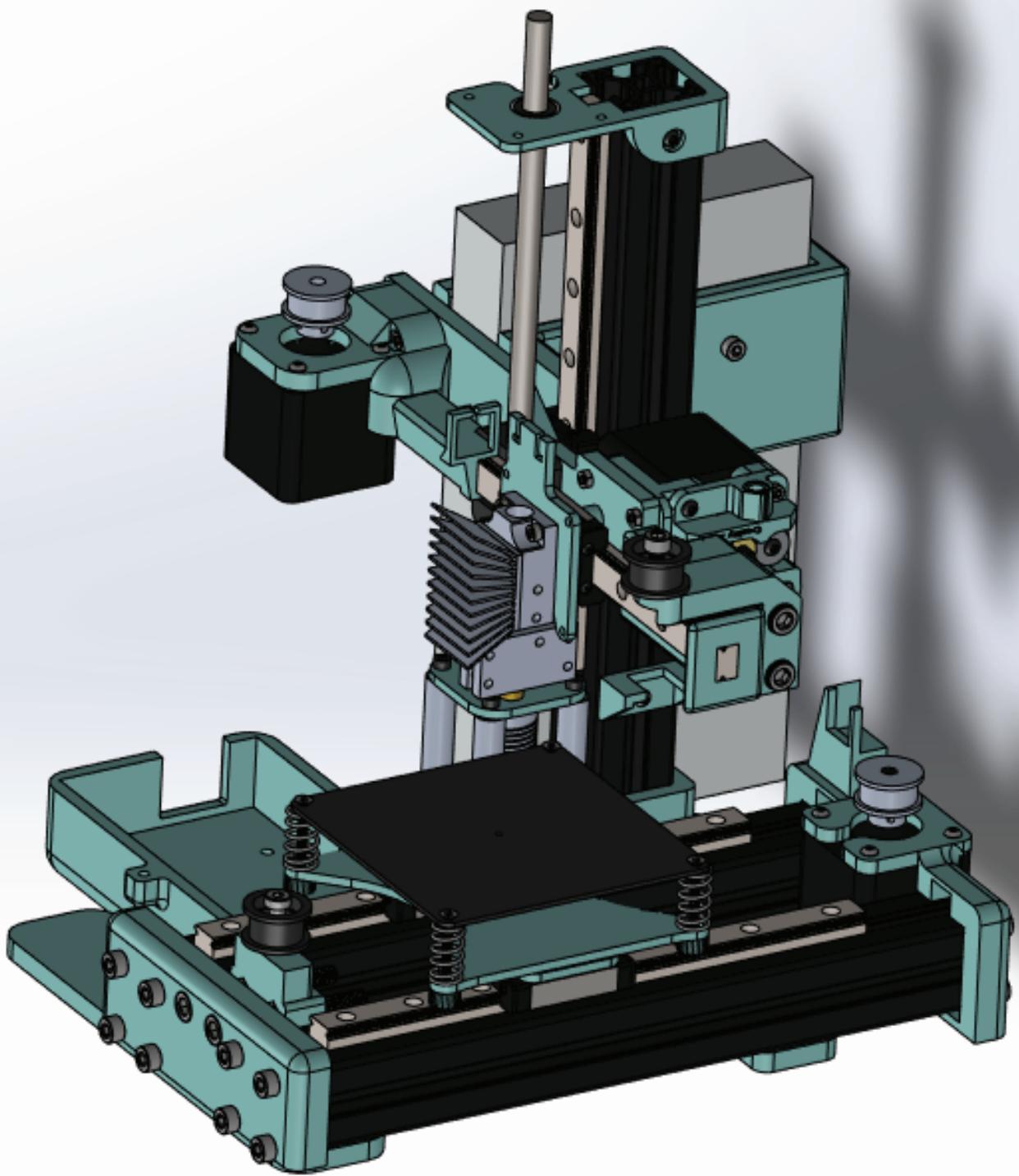
1x P20



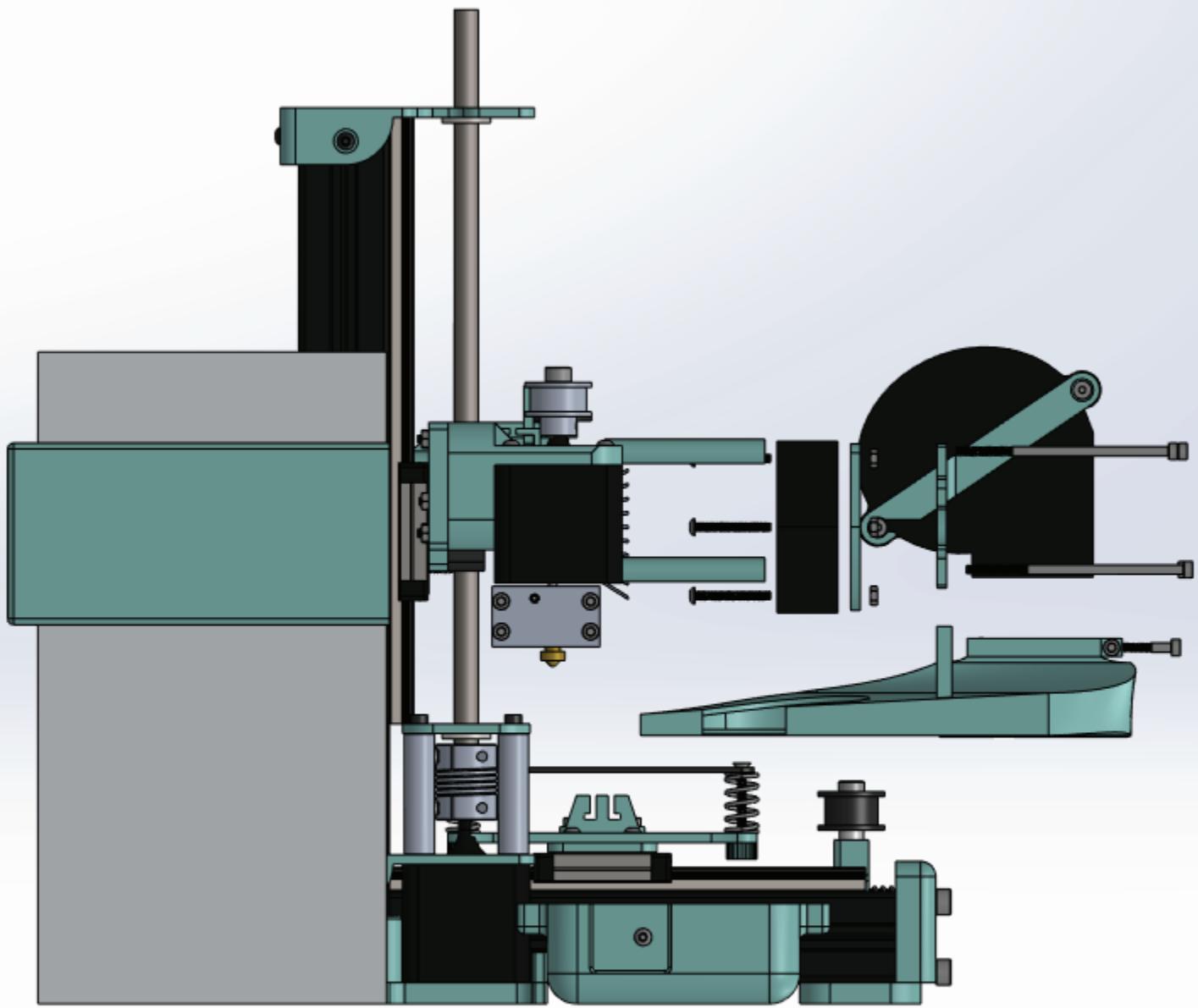
1x P20



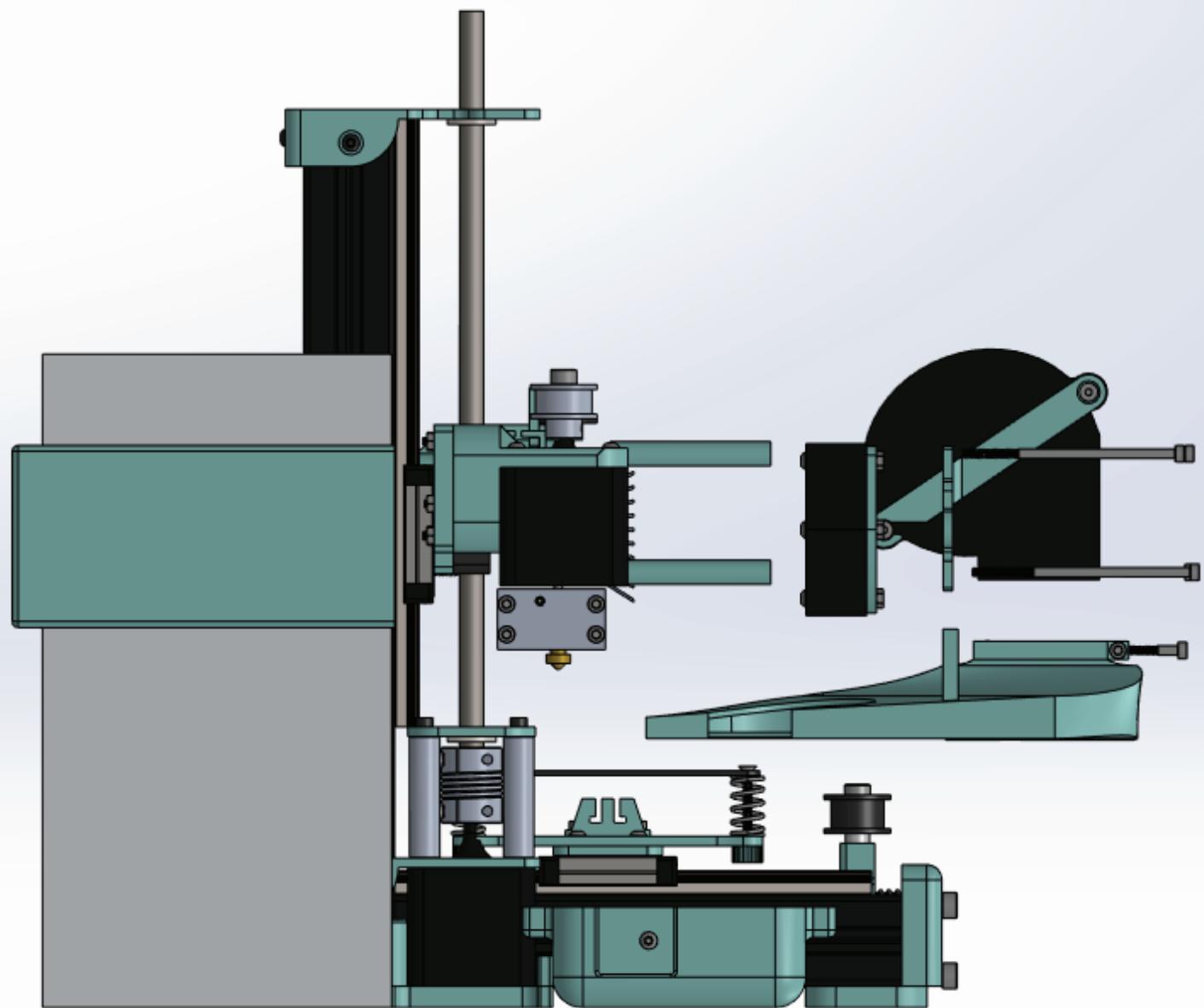
2x F2, 1x P3, 1x Full Hot End Assembly



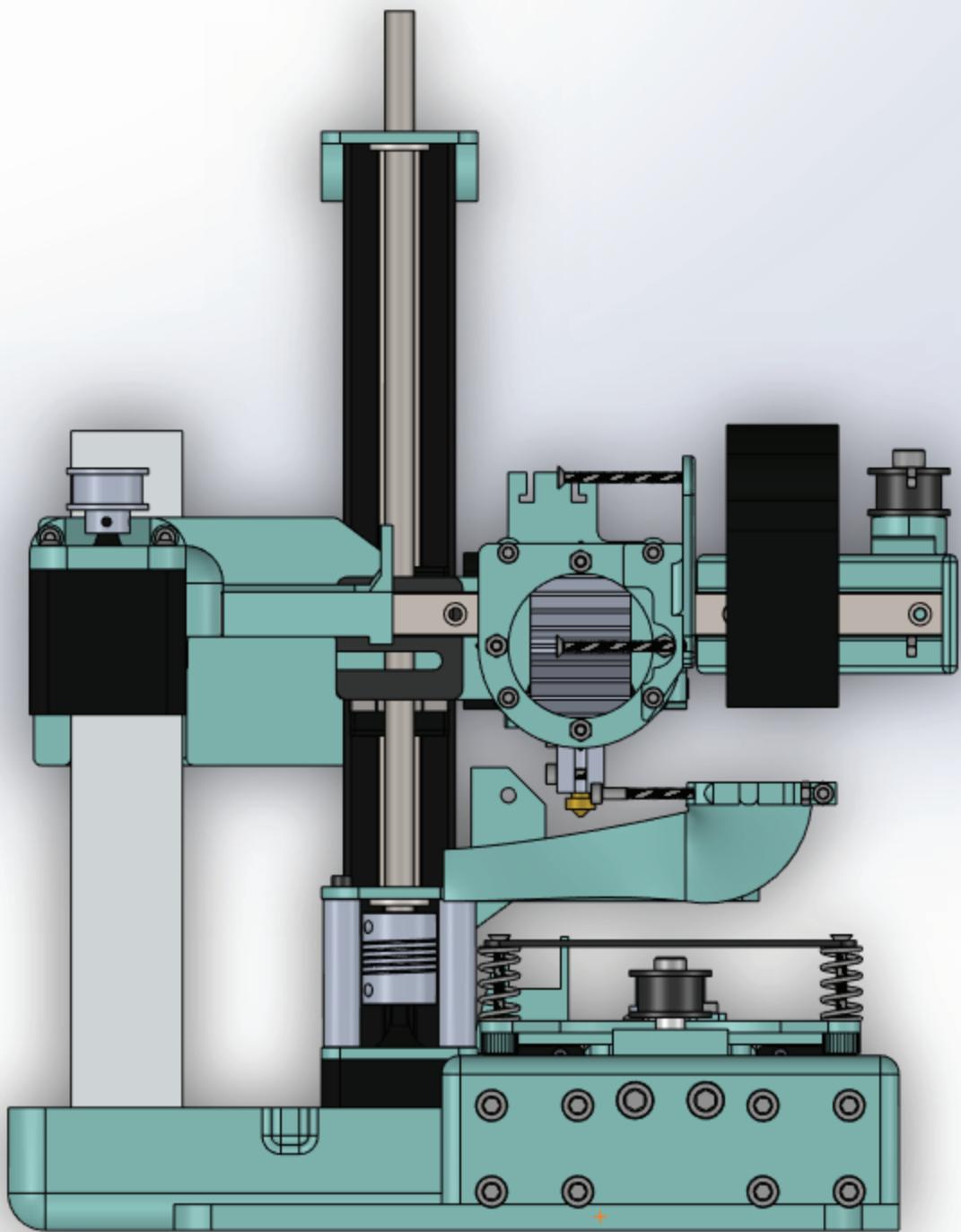
2x F2, 1x P3, 1x Full Hot End Assembly



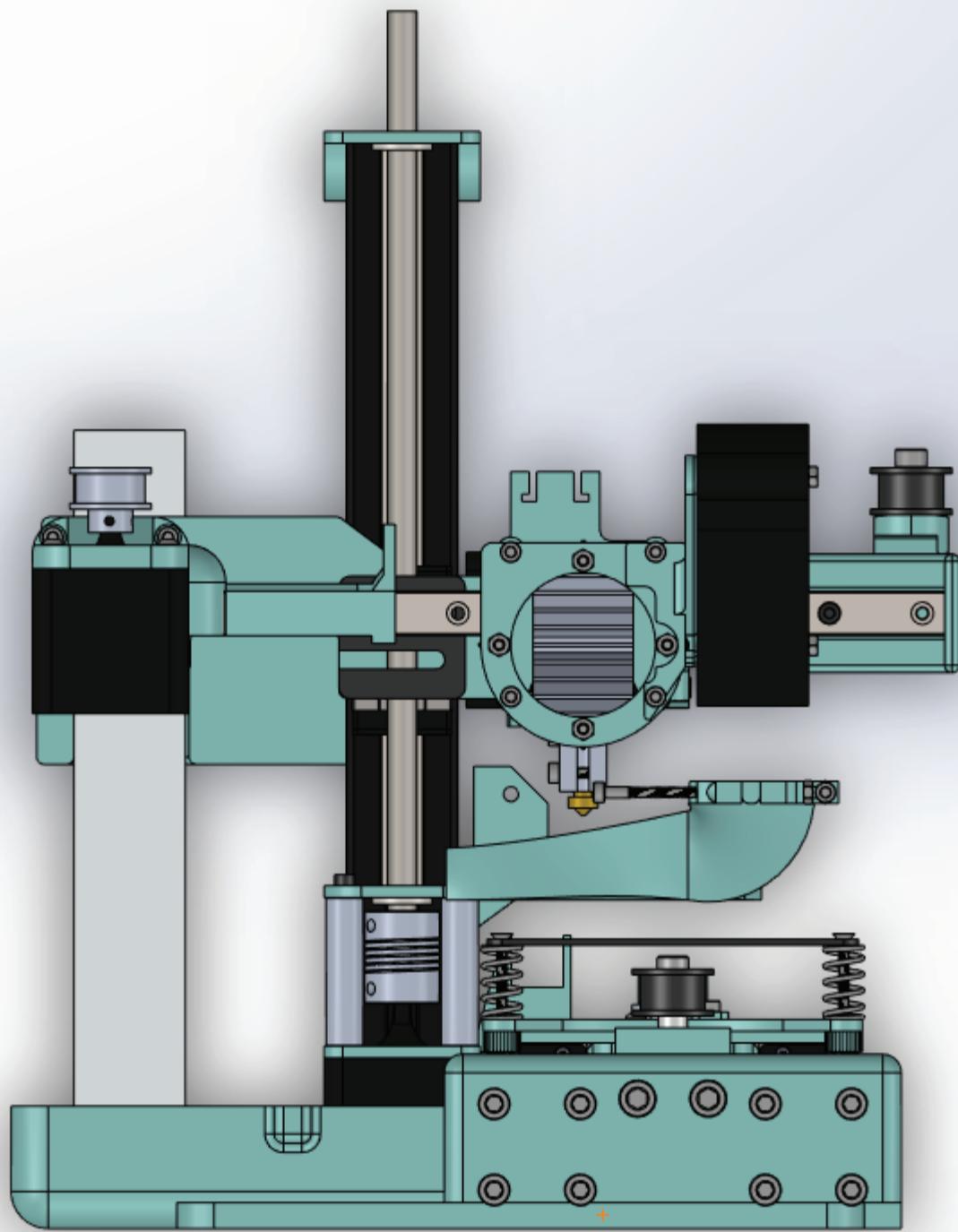
4x F17, 4x F20, 1x HE9, 1x P4



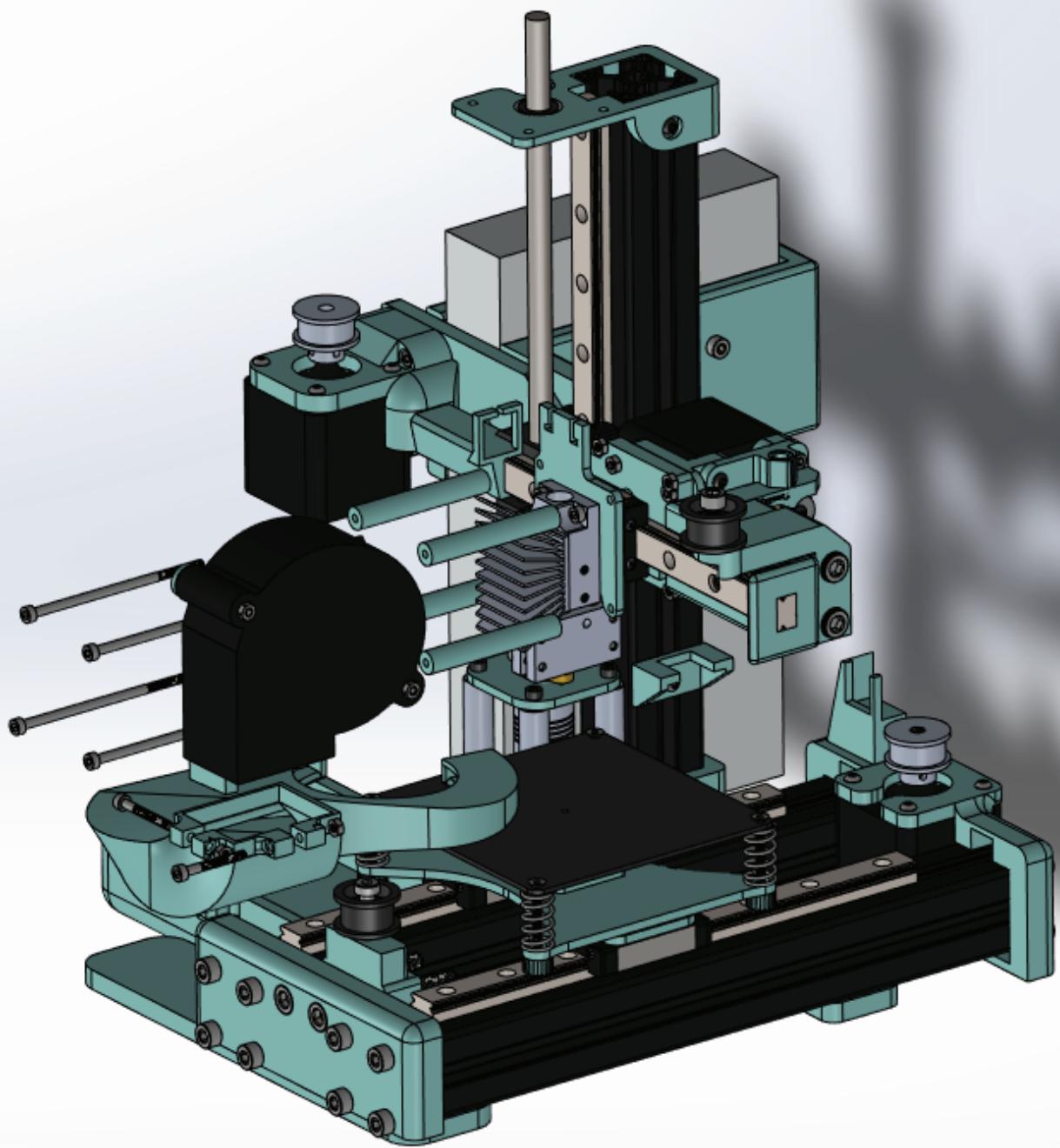
4x F17, 4x F20, 1x HE9, 1x P4



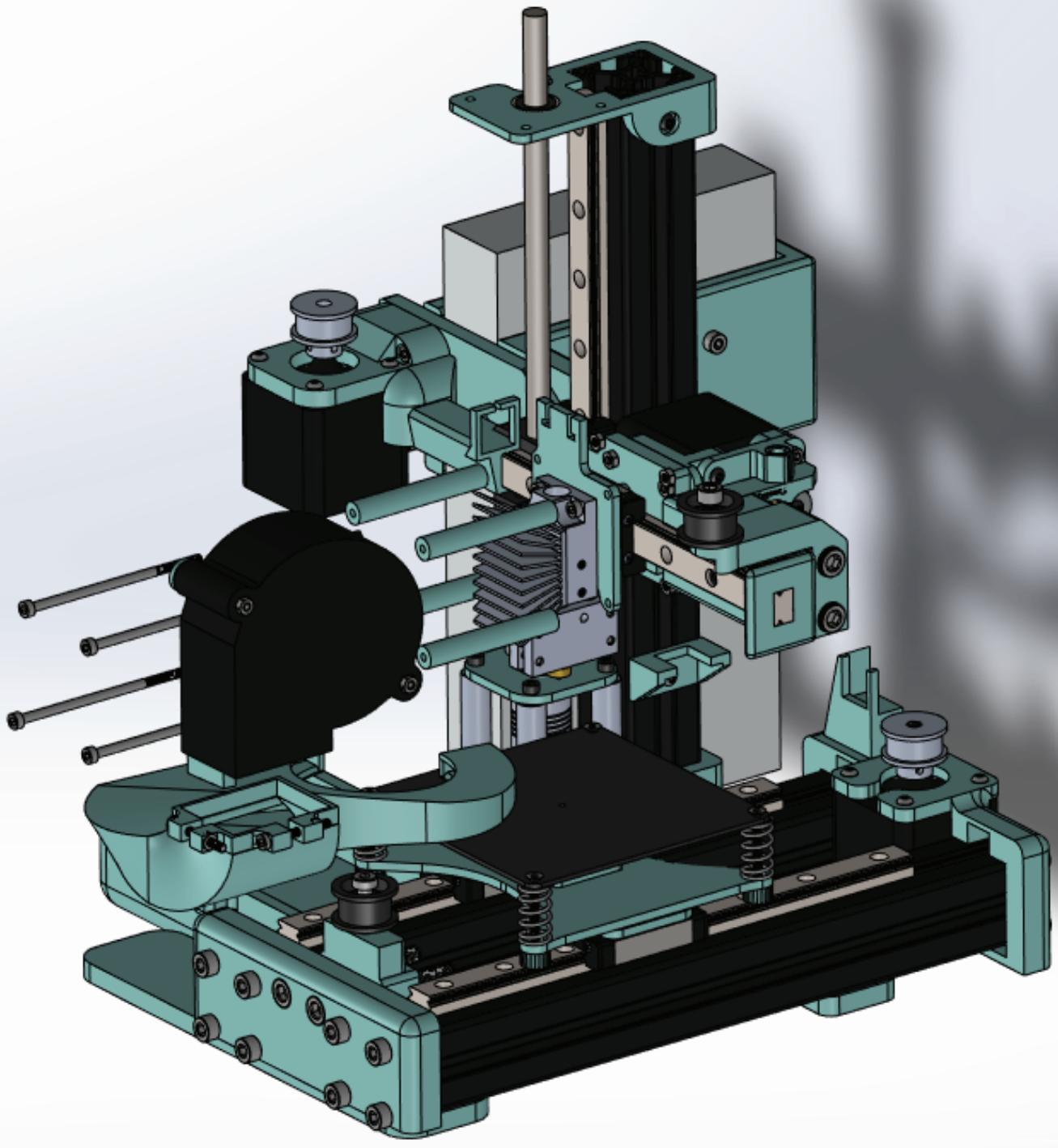
2x F12, 2x F20, 1x HE10, 1x P23



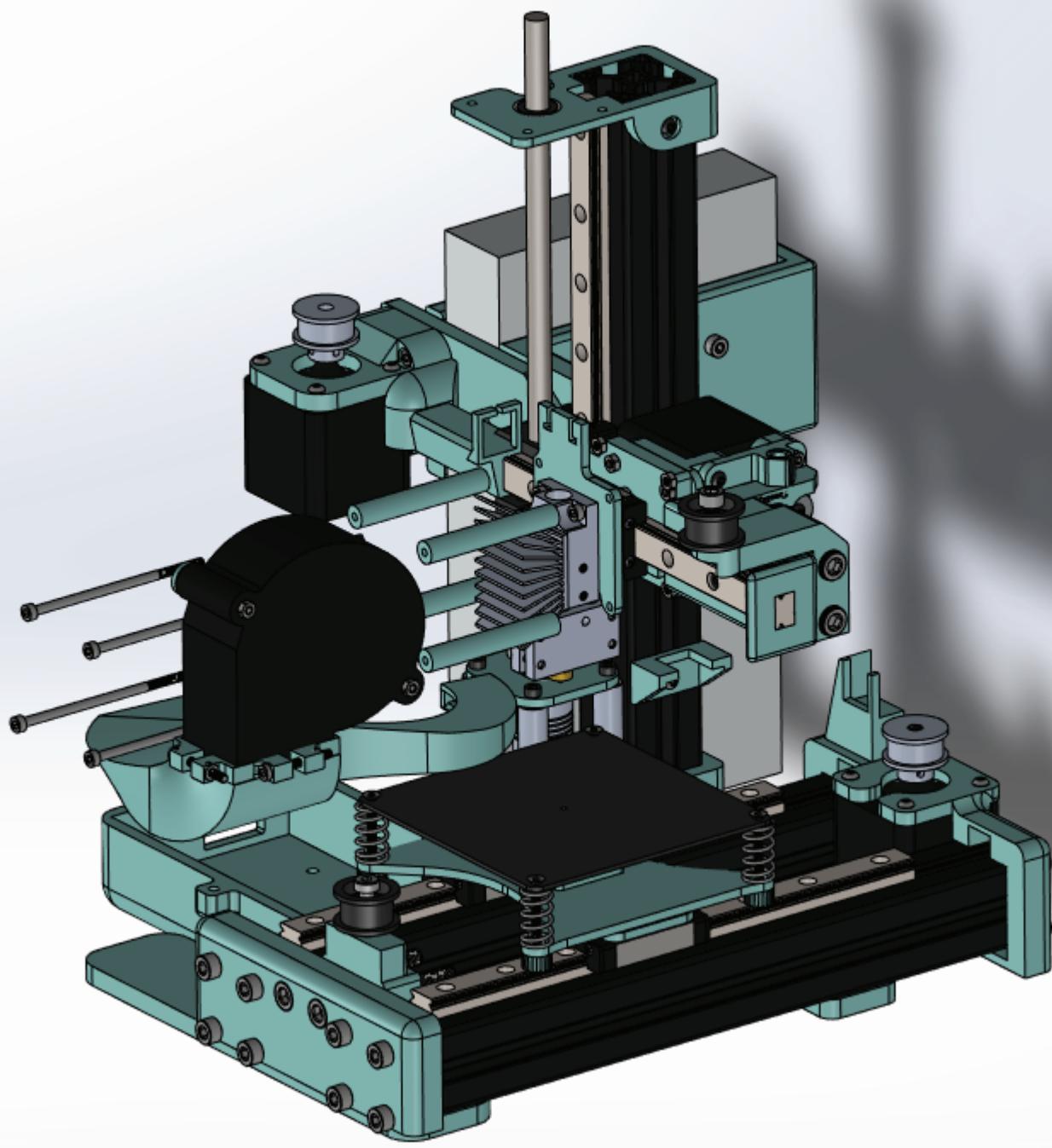
2x F12, 2x F20, 1x HE10, 1x P23



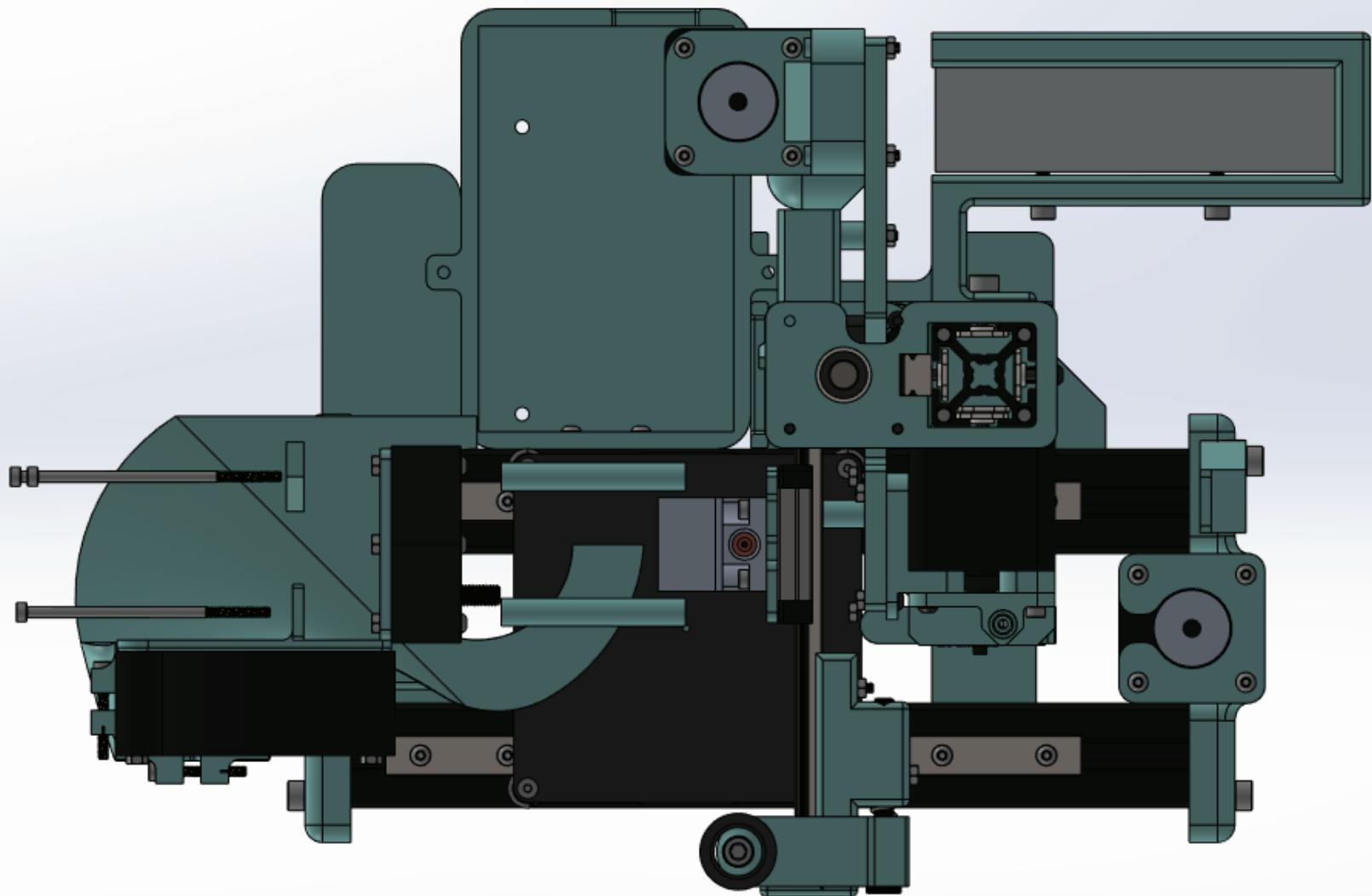
2x F5, 2x F20, 1x P24



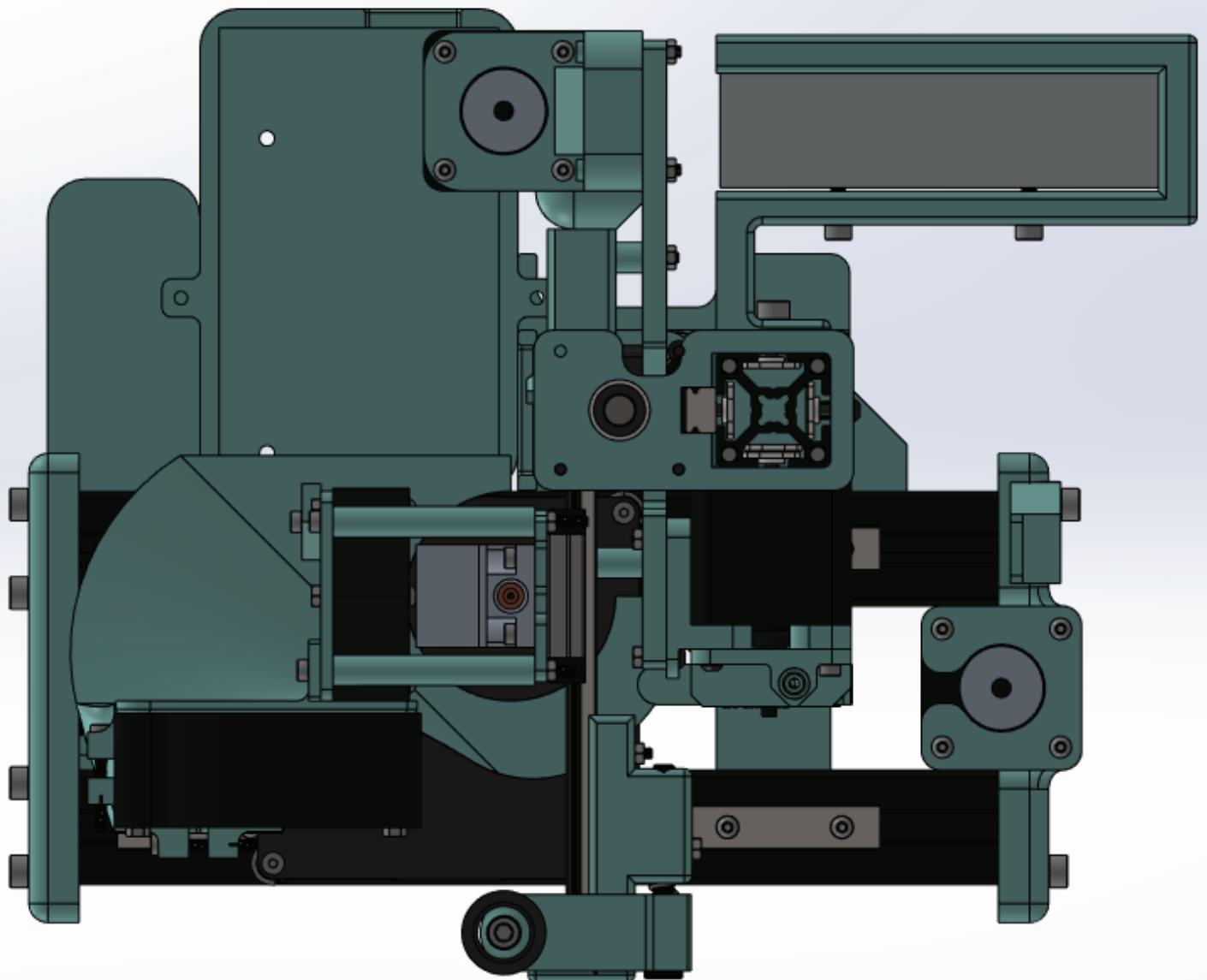
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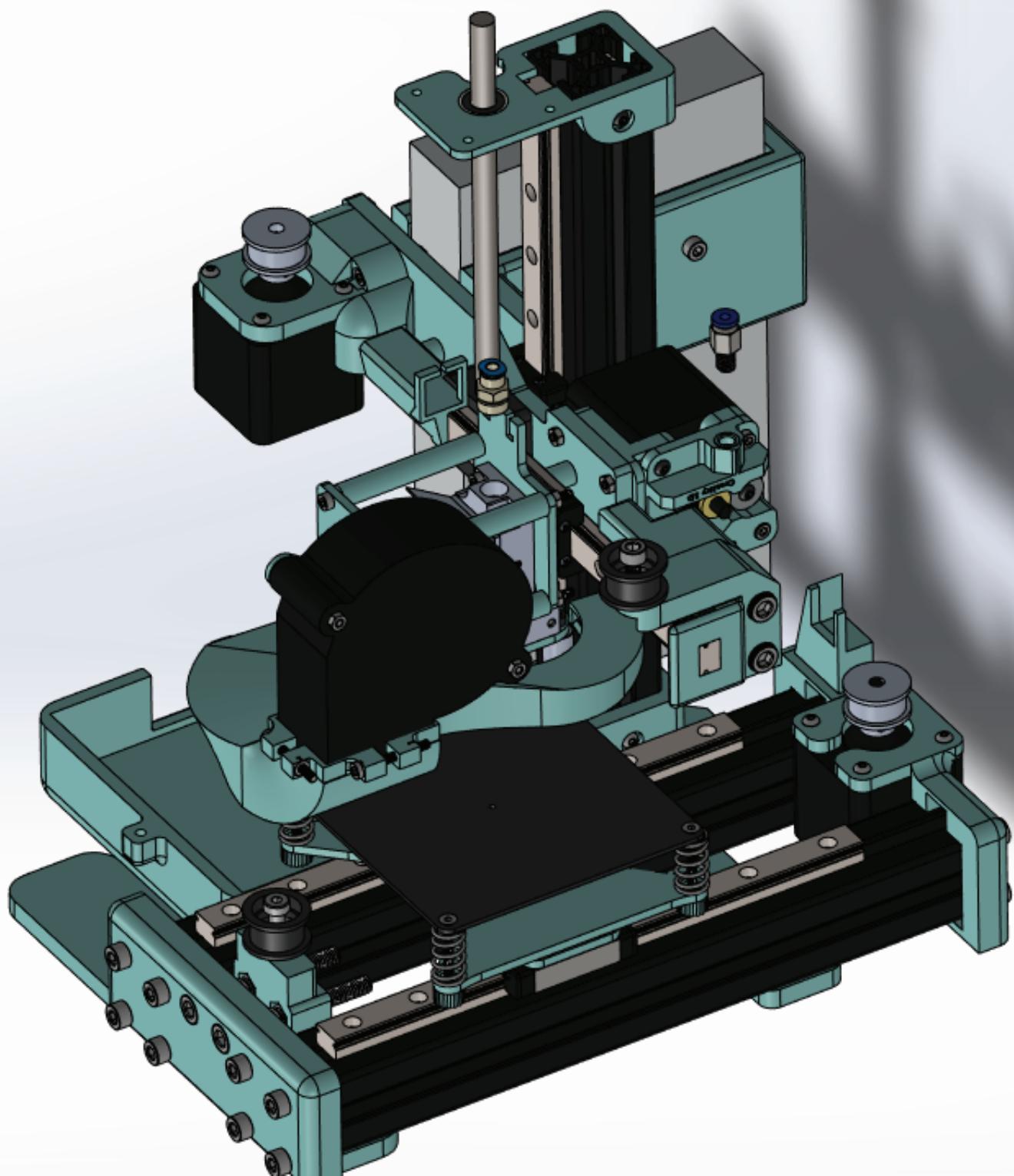
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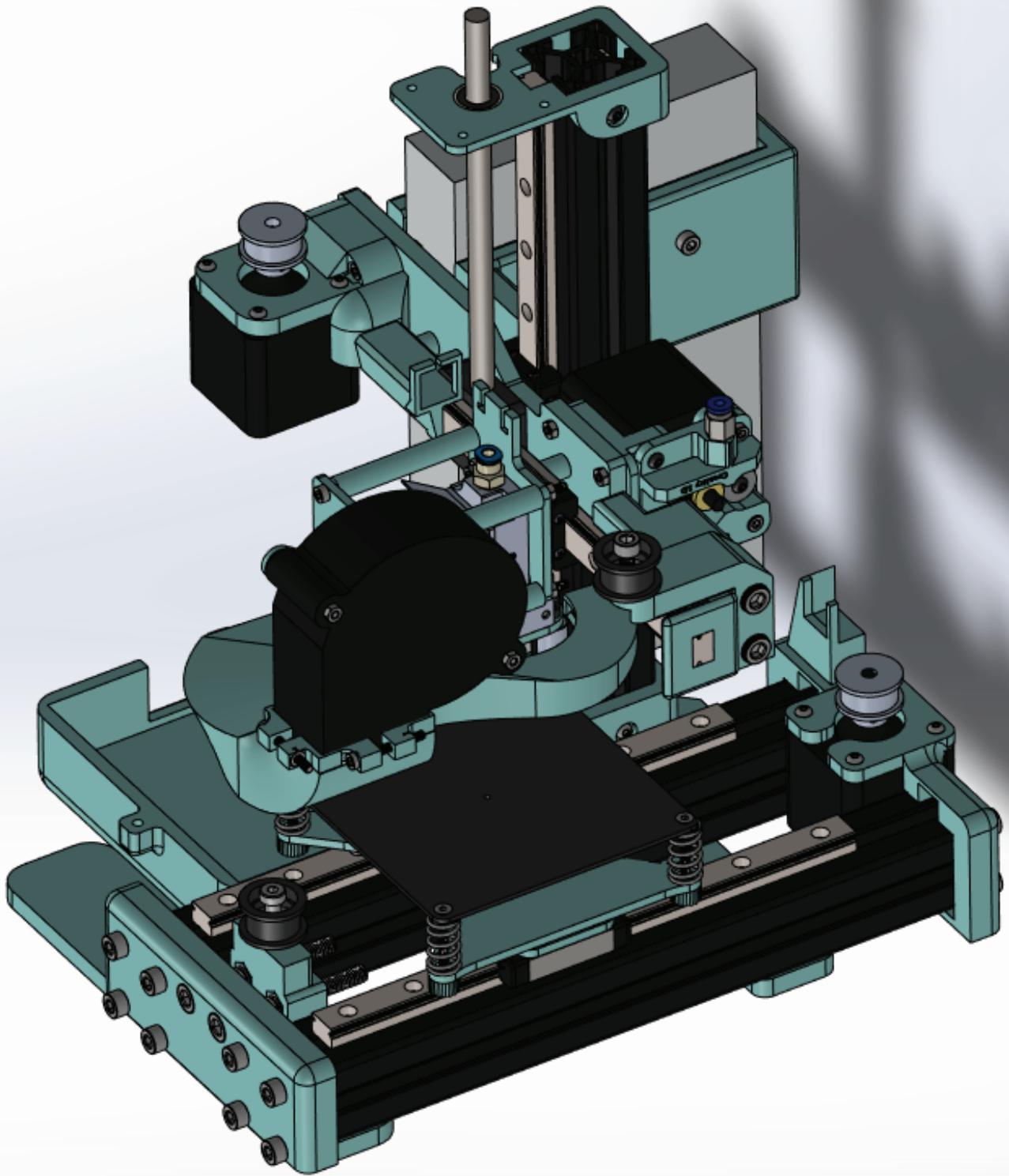
4x F8, 4x F20, 4x P21



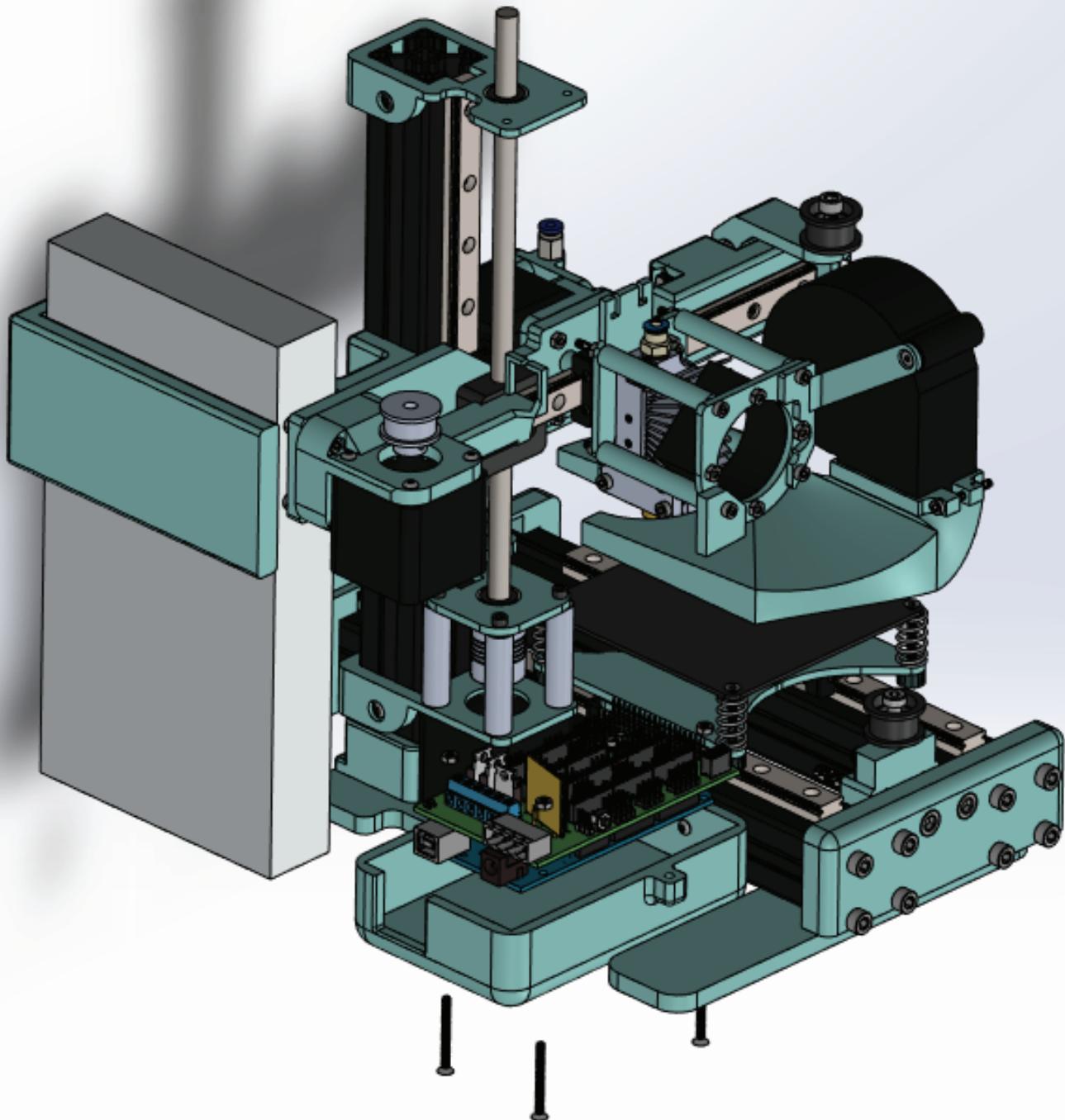
4x F8, 4x F20, 4x P21



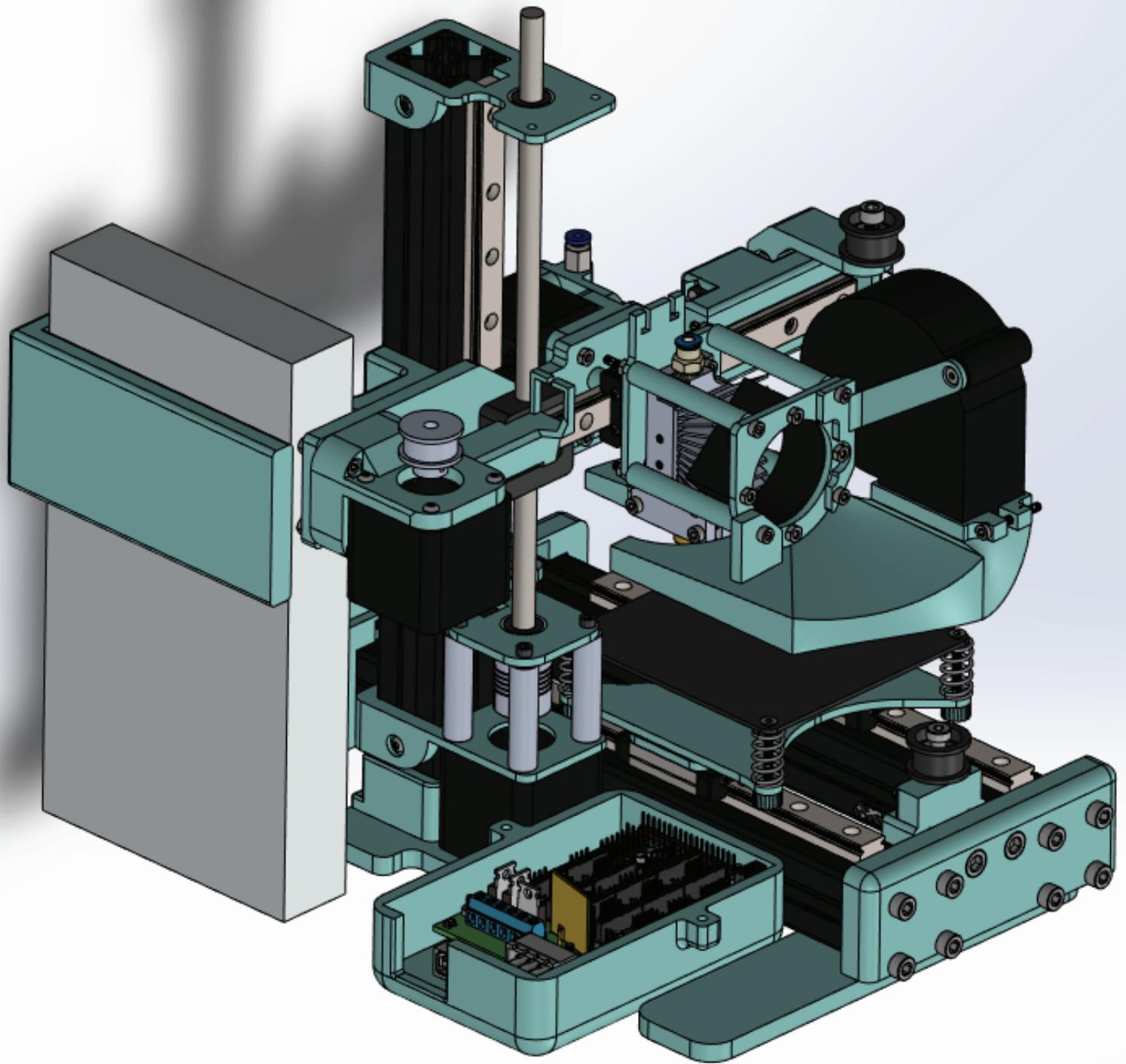
1x HE7



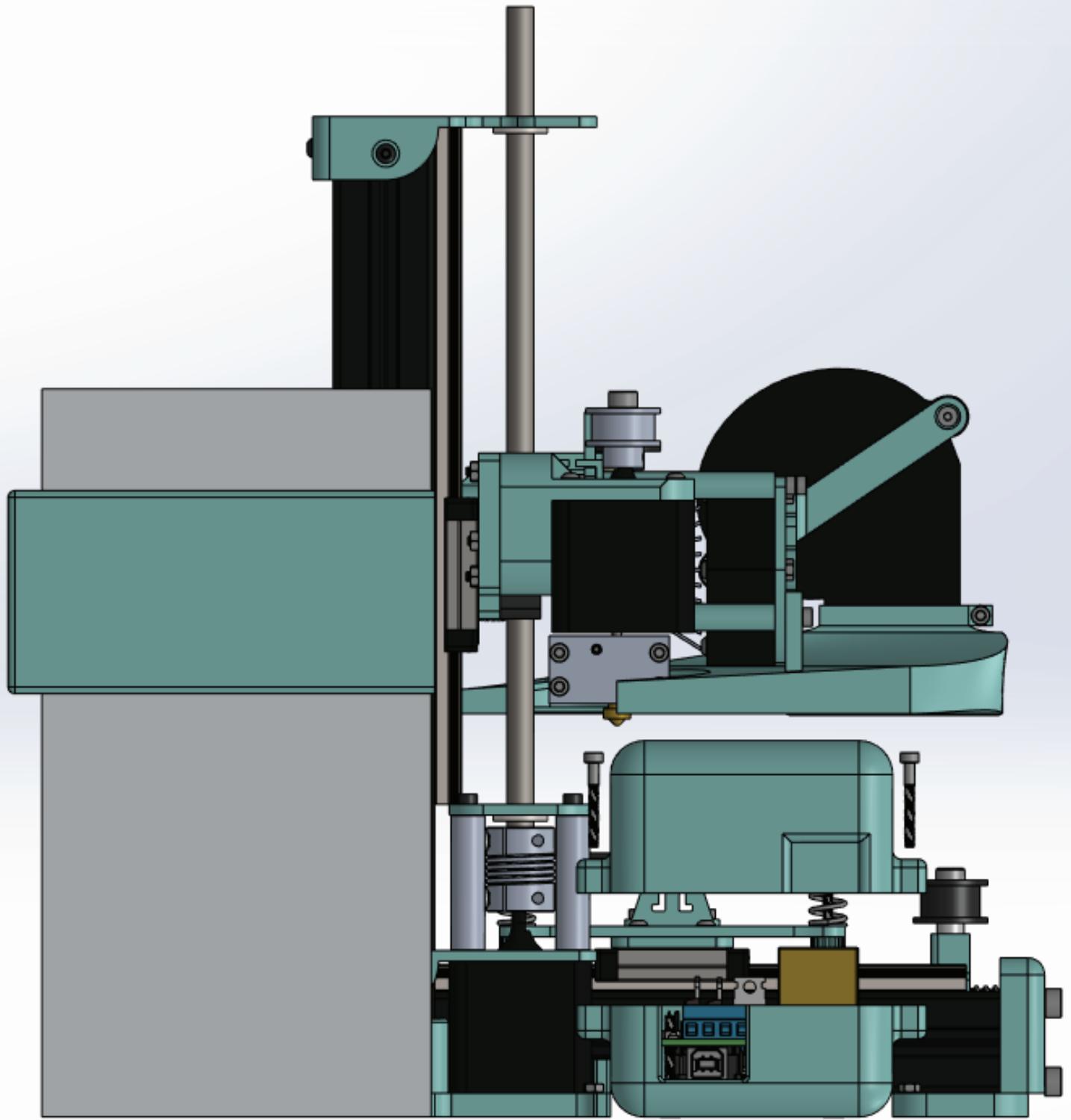
1x HE7



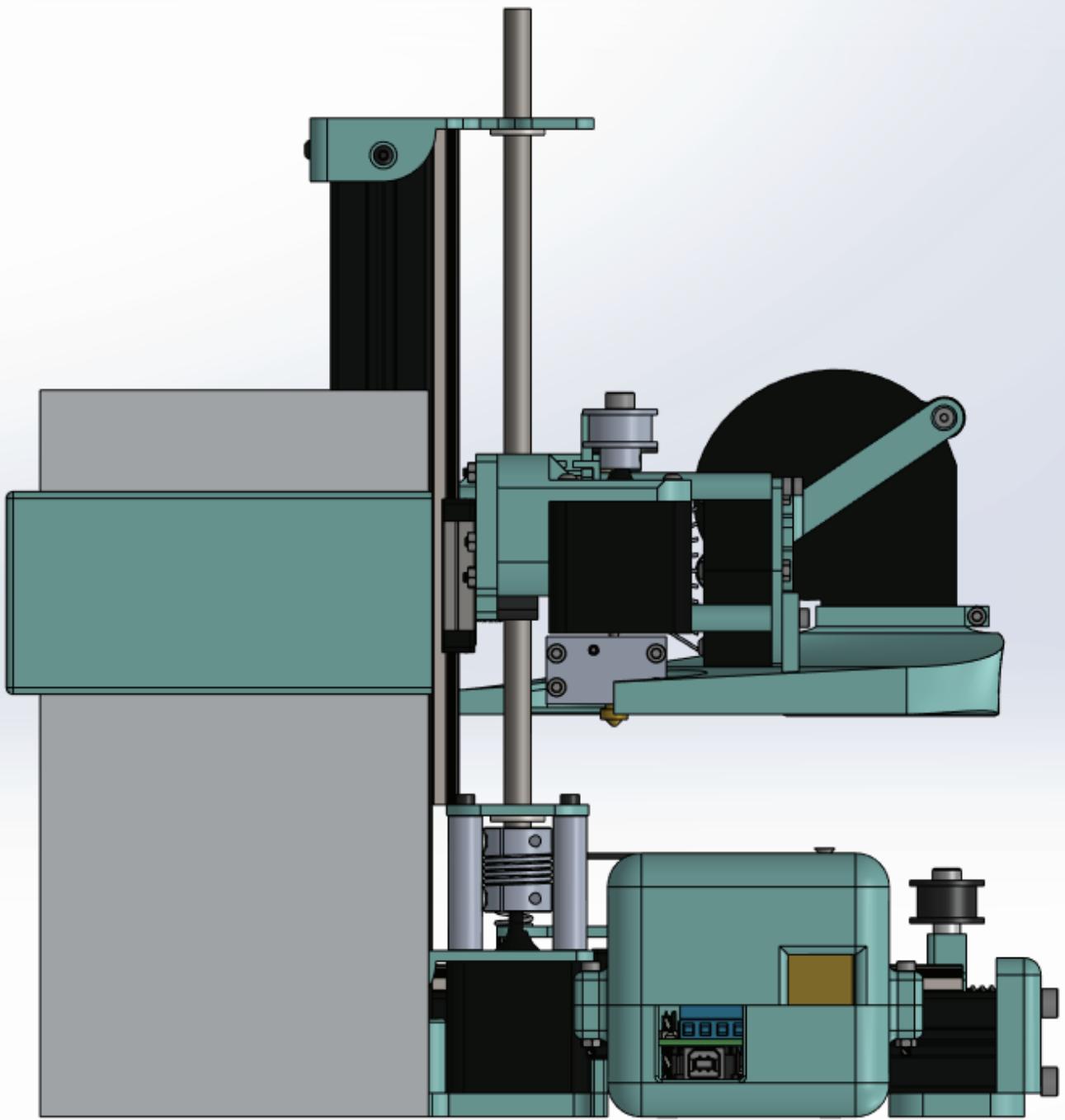
3x F11, 3x F20, 1x E1, 1x E2



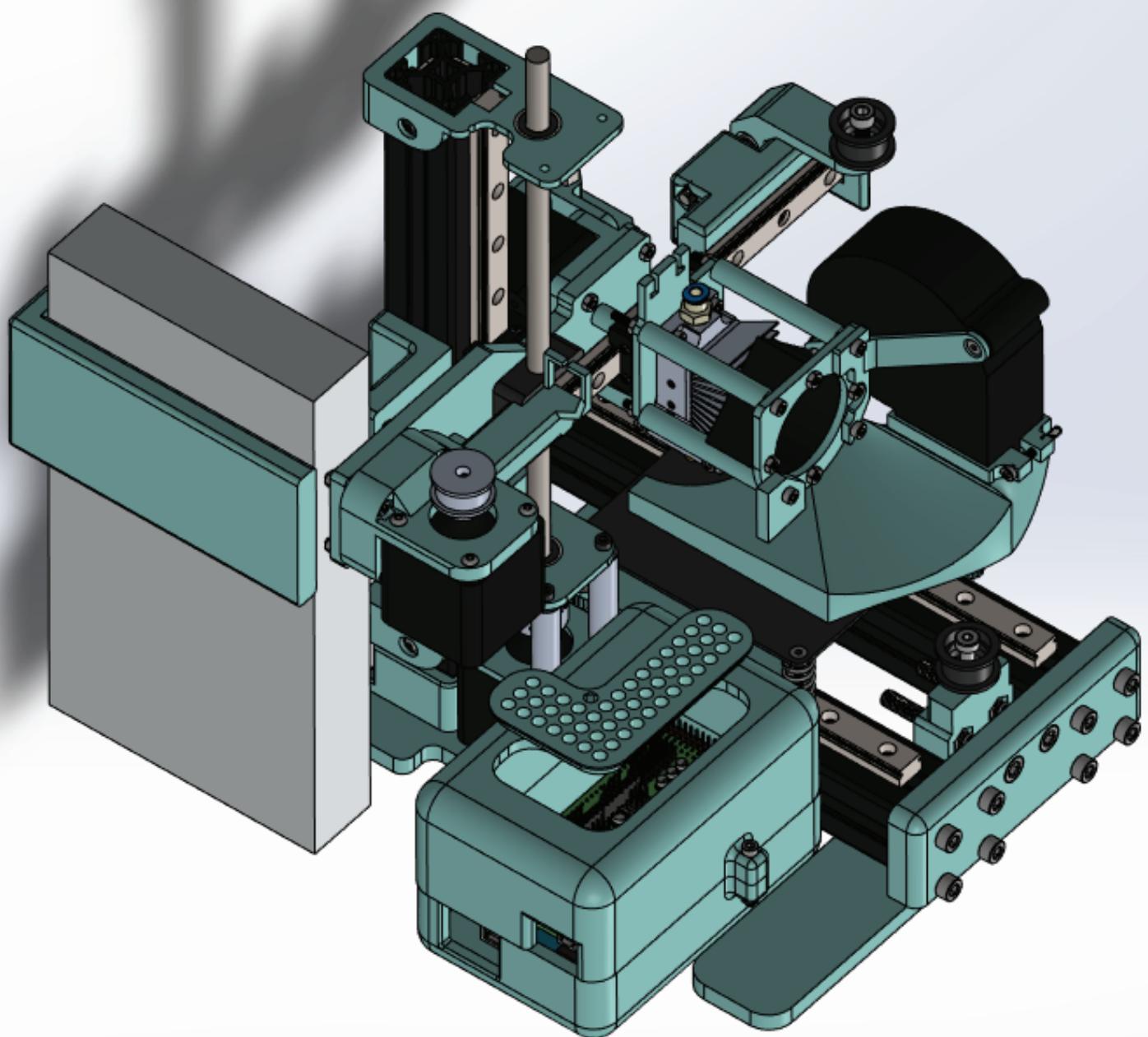
3x F11, 3x F20, 1x E1, 1x E2



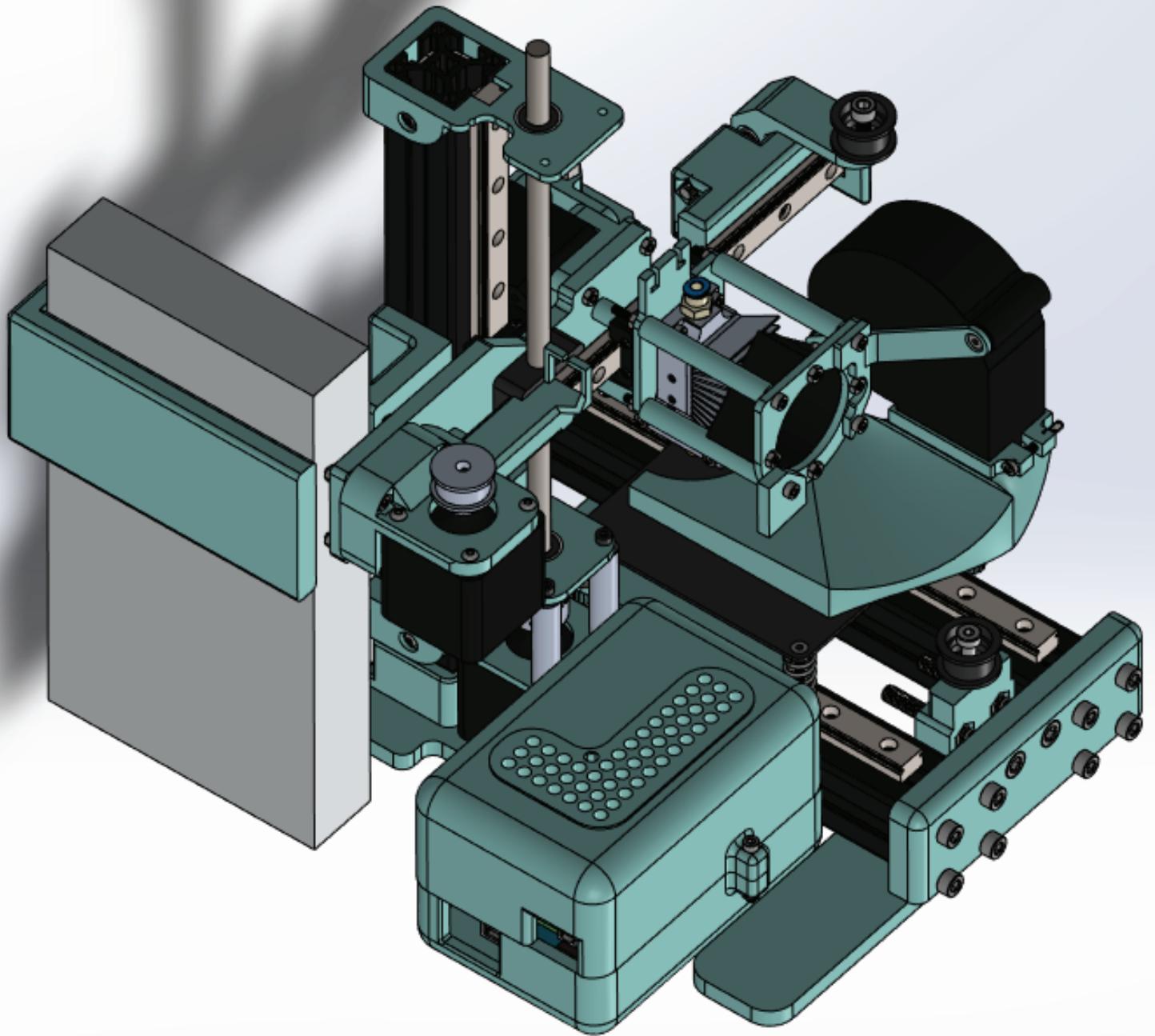
2x F5, 2x F20, 1x P29



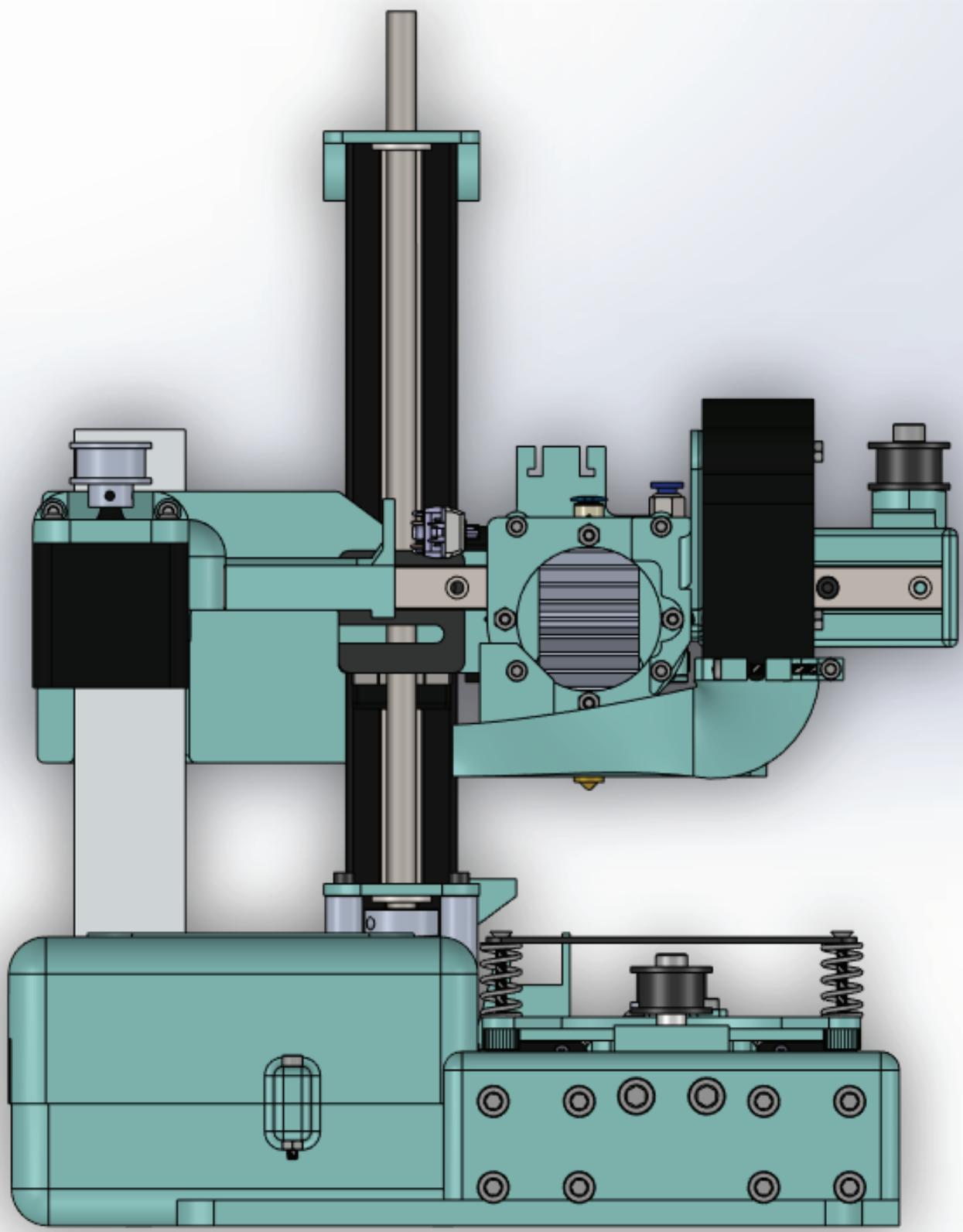
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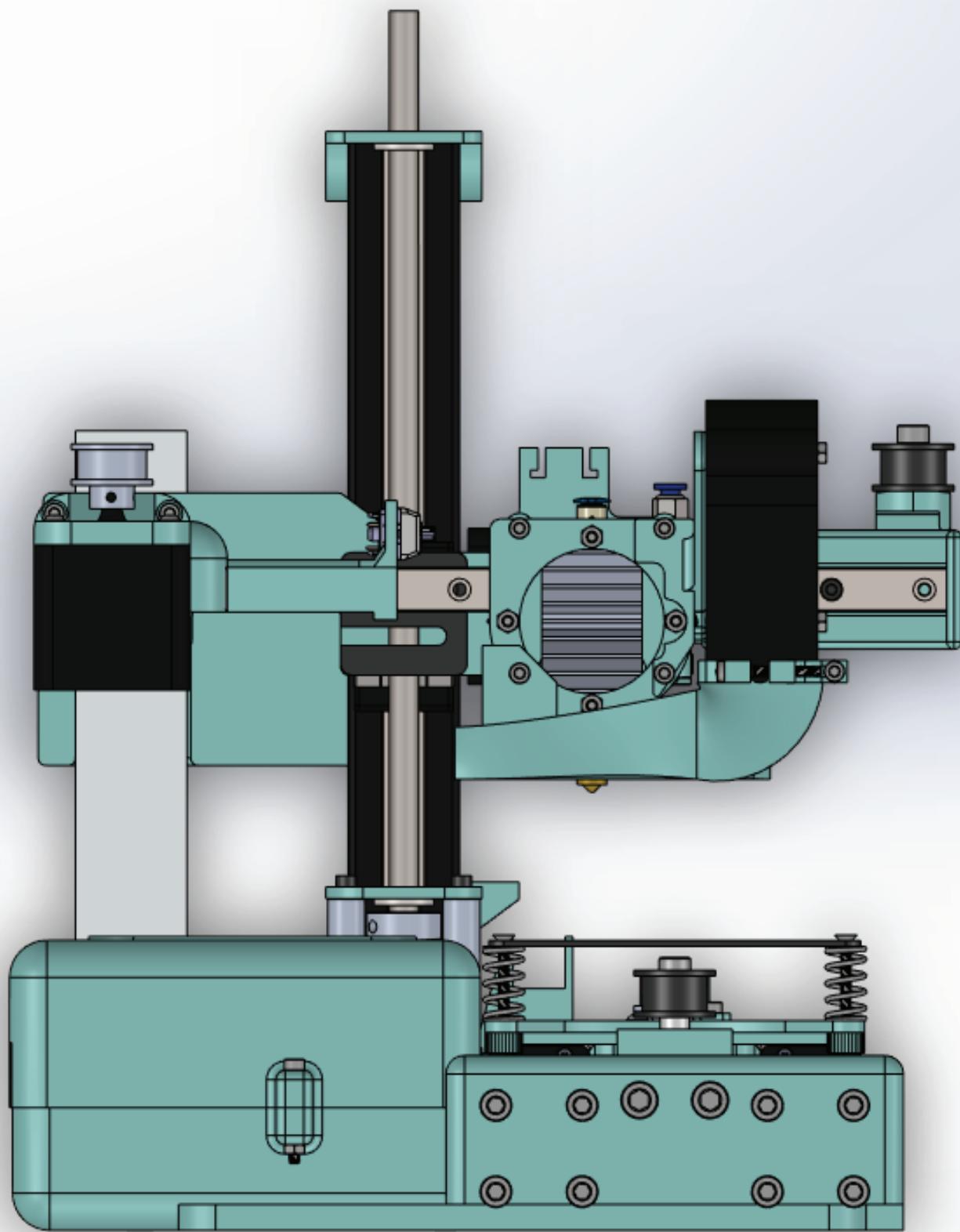
1x P30



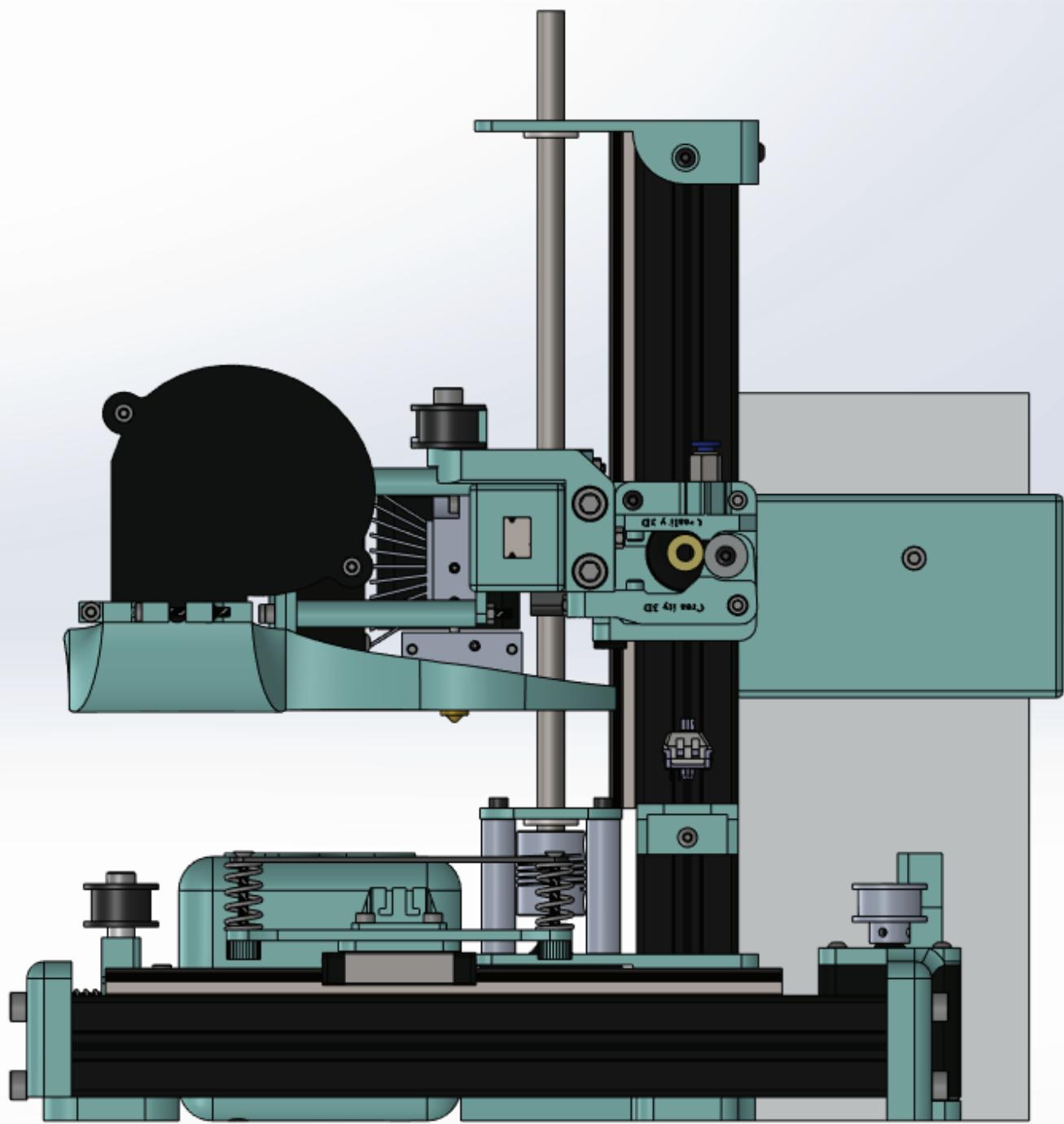
1x P30



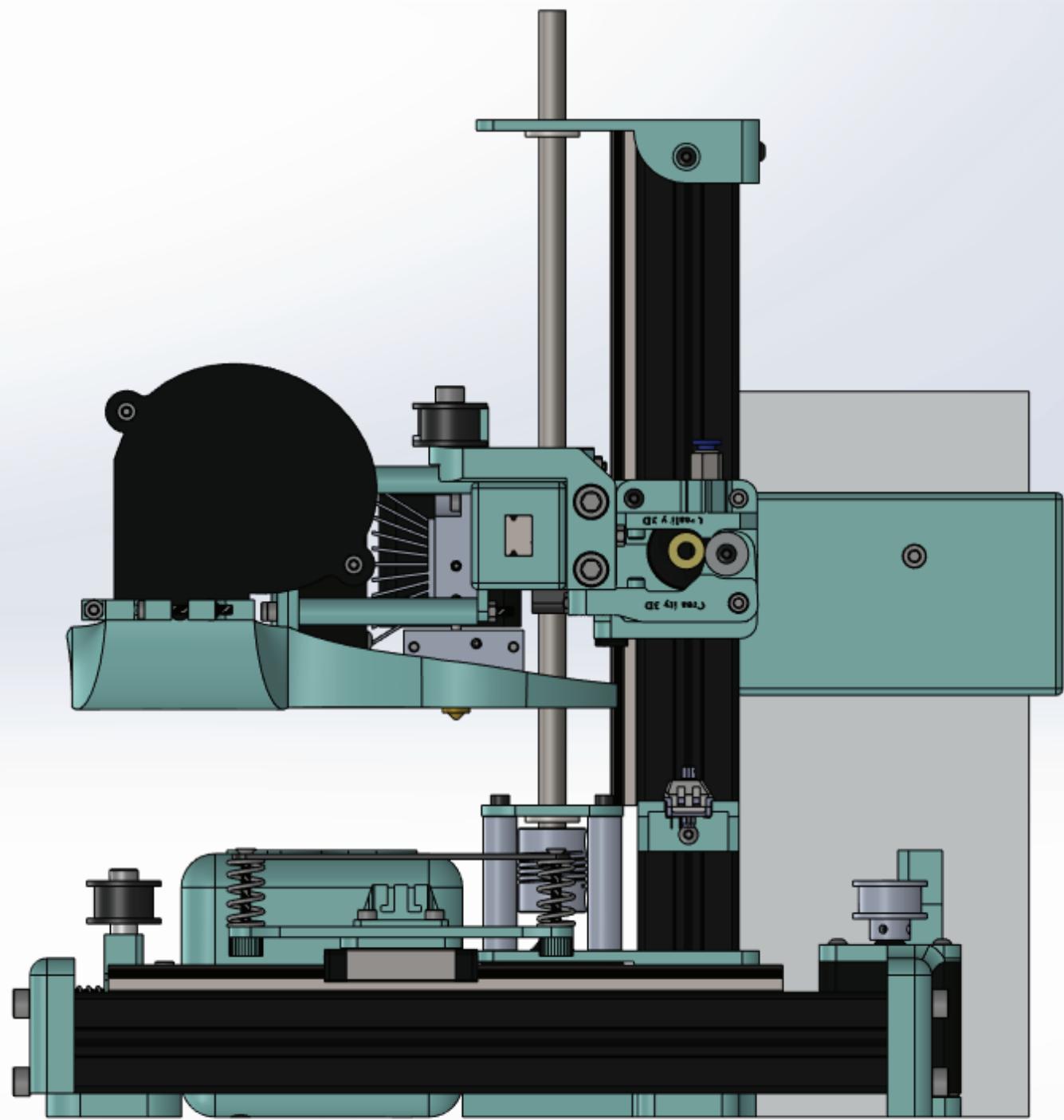
1x E6



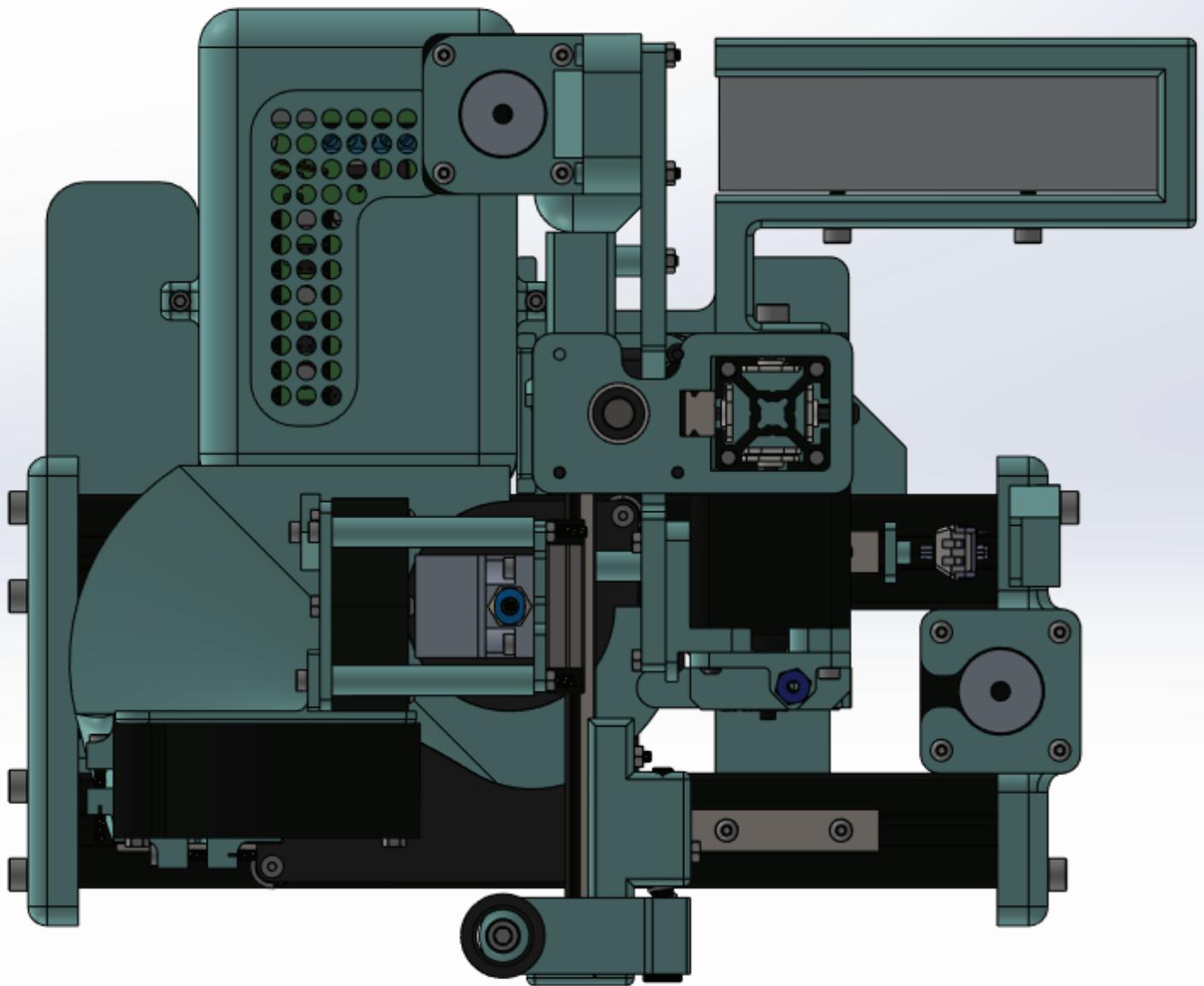
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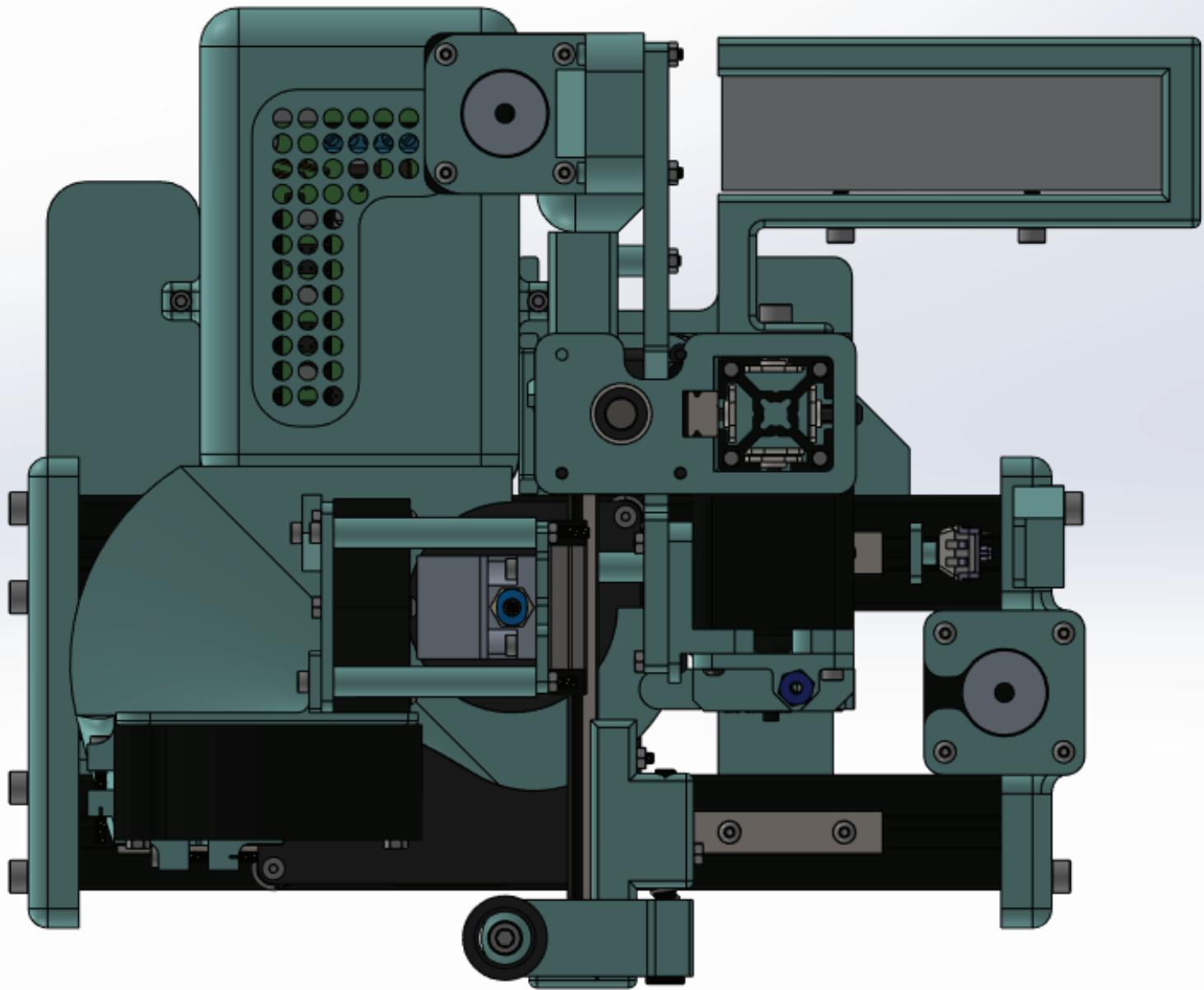
1x E6



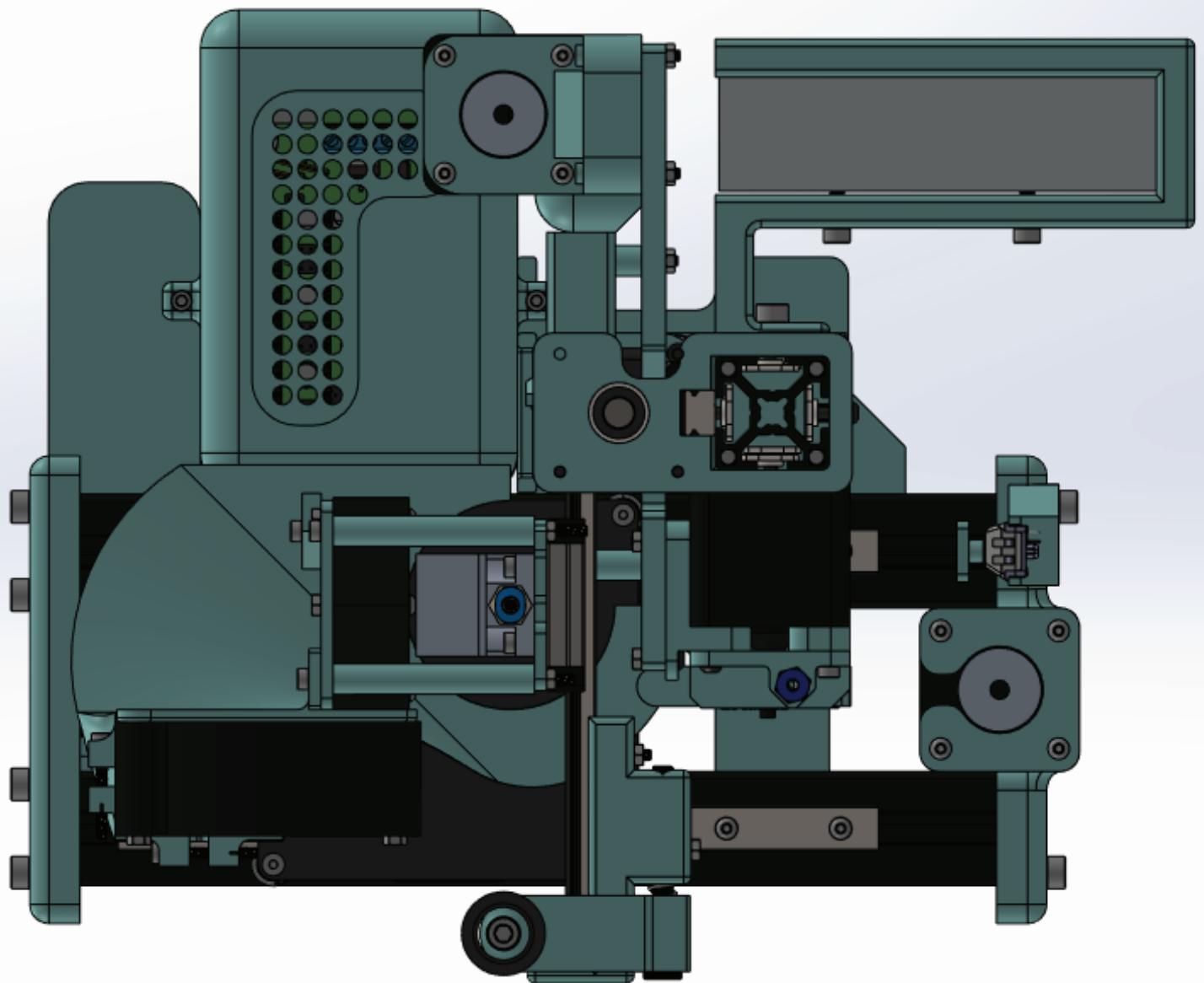
1x E6



1x E6, 1x P35



1x E6, 1x P35



1x E6, 1x P35