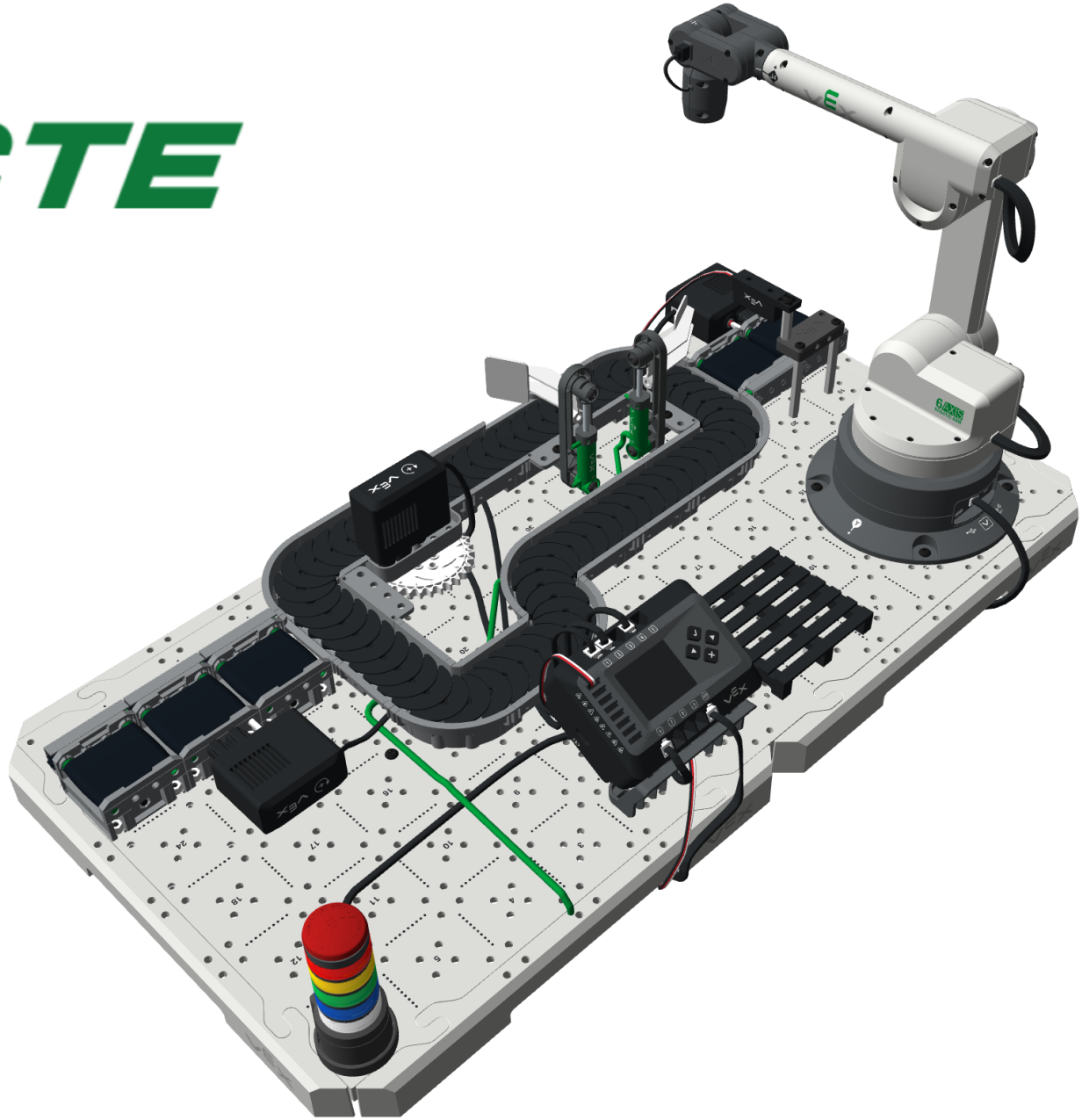
VEX CTE

3D Build Instructions



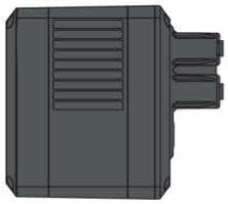
CTE Workcell Base

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Previous Build



CTE 6-Axis Arm Base + Optical



3x Smart Motor 5.5W
System Bundle Box



1x 4mm Tubing
Components Box 2



2x 1/4” Star Drive Screw Locking
Components Box 1



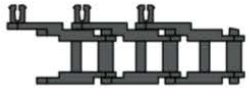
39x 1/2” Star Drive Screw Locking
Components Box 1



5x 3/4” Star Drive Screw
Components Box 1



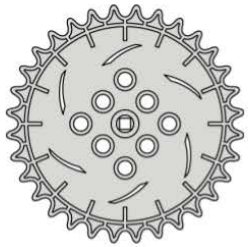
32x Low Profile Nut
Components Box 1



66x Serpentine Conveyor Chain
Components Box 1



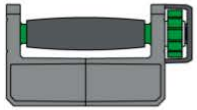
66x Serpentine Conveyor - Platform
Components Box 1



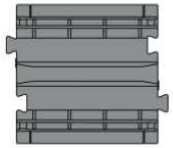
1x 32 Tooth Sprocket
Components Box 2



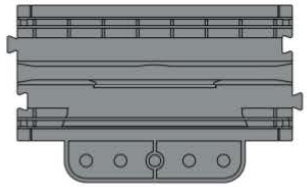
2x Pneumatic Diverter Tower
Components Box 3



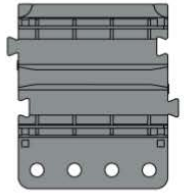
5x Linear Conveyor
Components Box 3



7x Serpentine Conveyor - Straight Track
Components Box 3



1x Serpentine Conveyor - Drive Track
Components Box 3



3x Serpentine Conveyor - Diverter Track
Components Box 3



6x Serpentine Conveyor - Turn Track
Components Box 3



1x 1.0” Standoff
Components Box 1



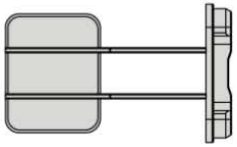
2x 2 Pitch Stroke Pneumatic Cylinder
Components Box 2



2x Sensor Mount
Components Box 1



2x Rubber Shaft Collar
Components Box 1



2x Pneumatic Diverter Arm
Components Box 3



2x 0.063” Click on Spacer
Components Box 1



2x 2x Pitch Motor Shaft
Components Box 1



1x 1.5” Capped Shaft
Components Box 1



1x 3-Wire Extension Cable 24”
Components Box 2

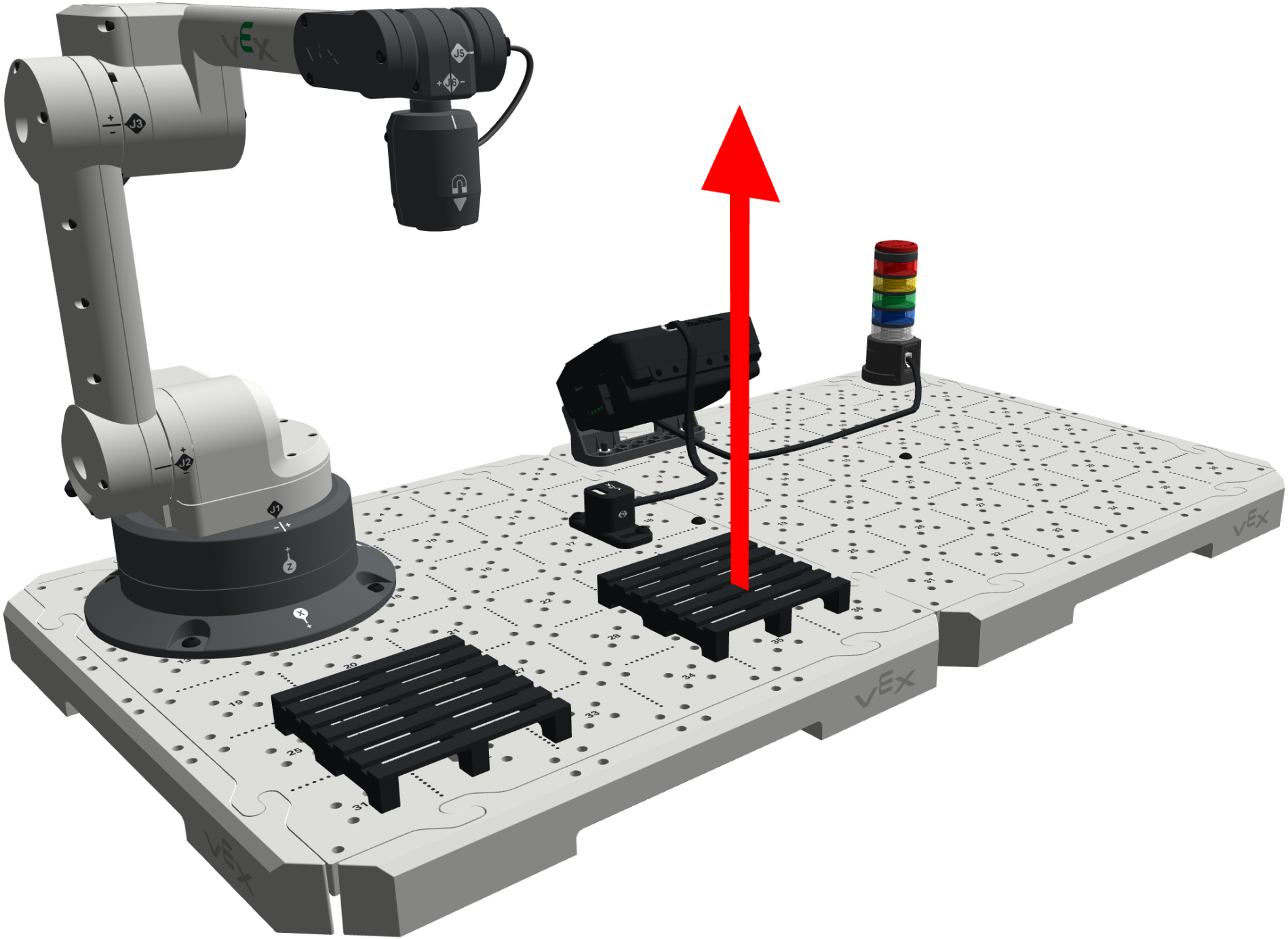


2x Smart Cables 300 mm
Components Box 2

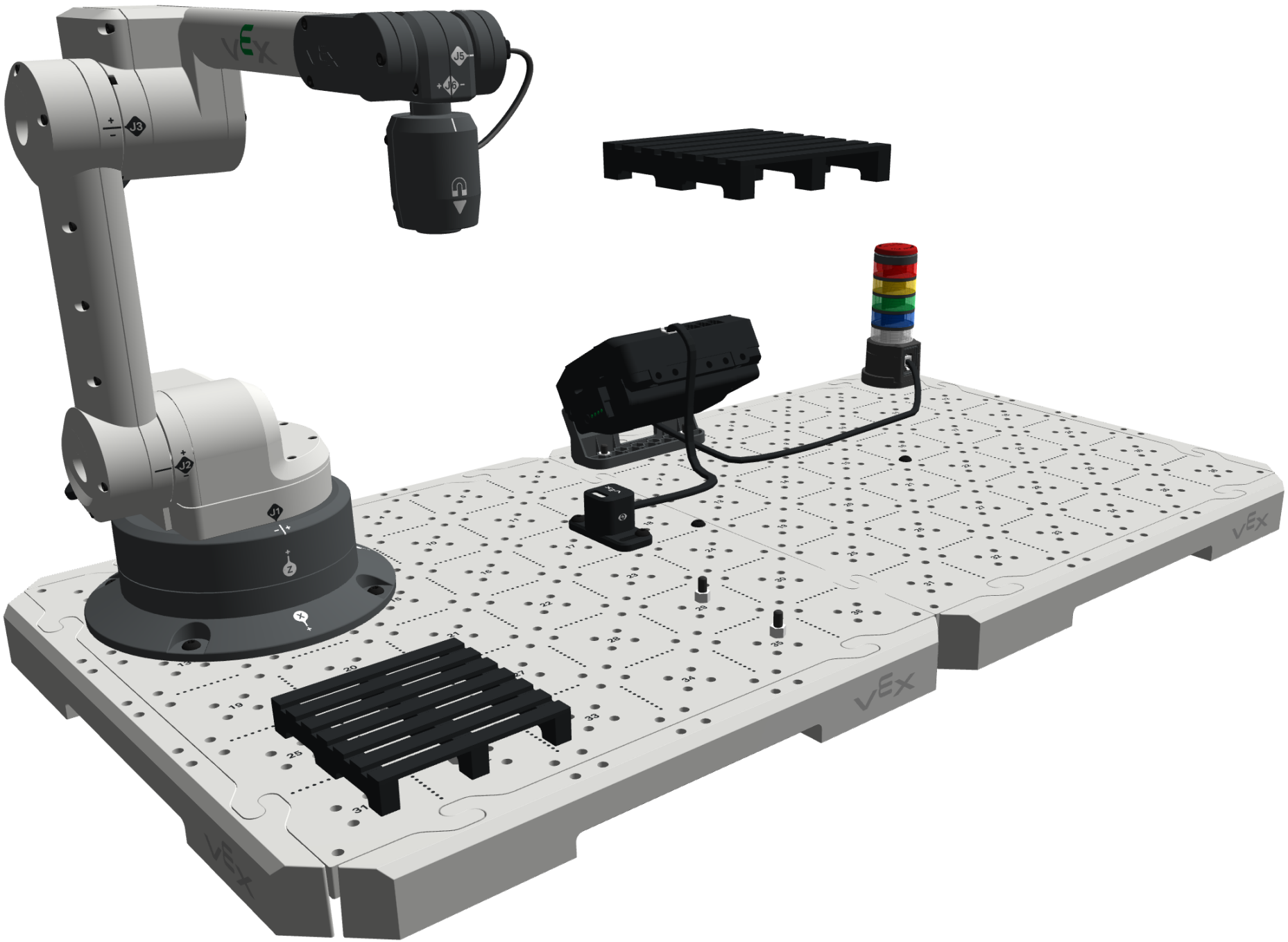


1x Smart Cable 900 mm
Components Box 2

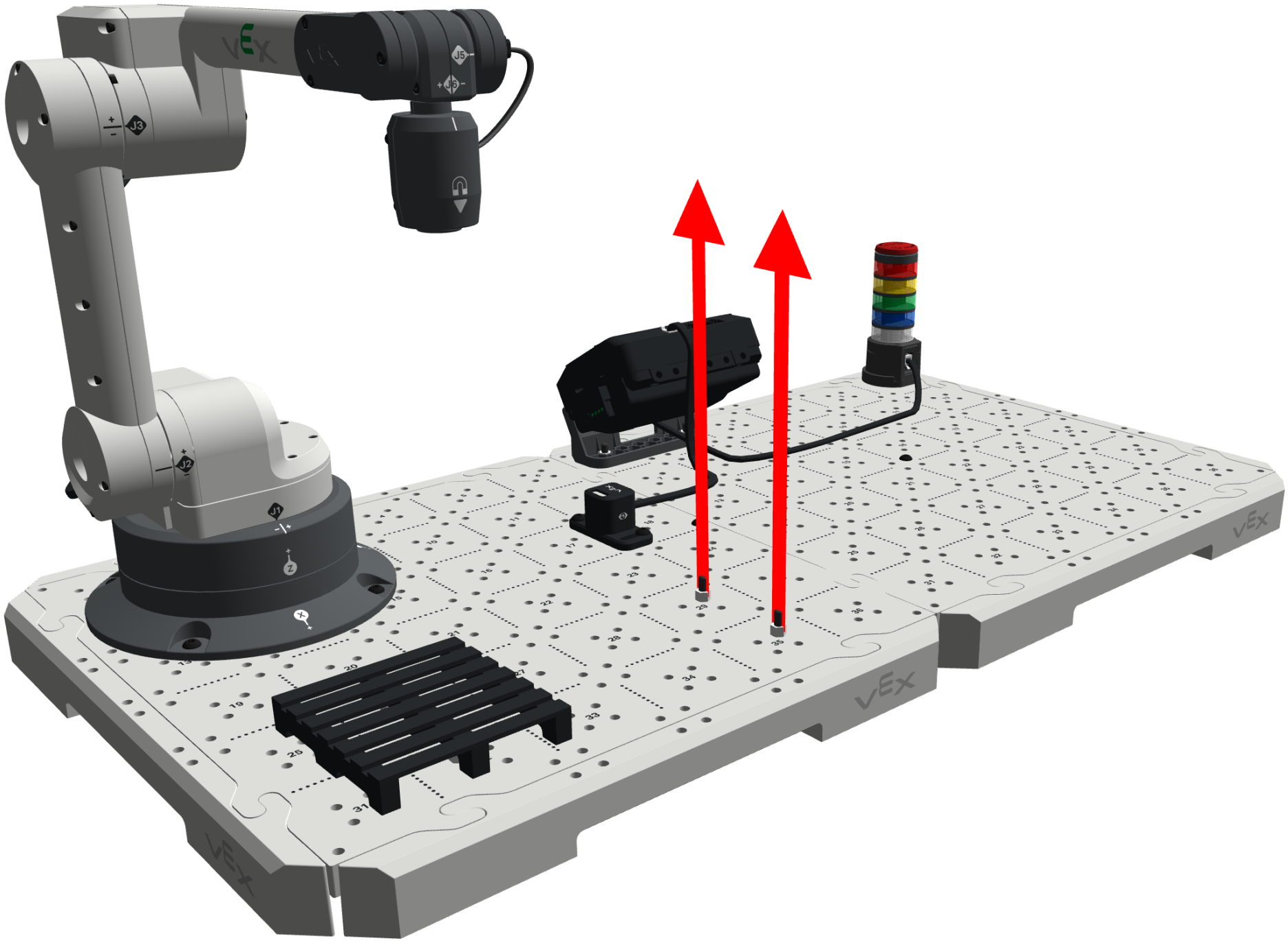
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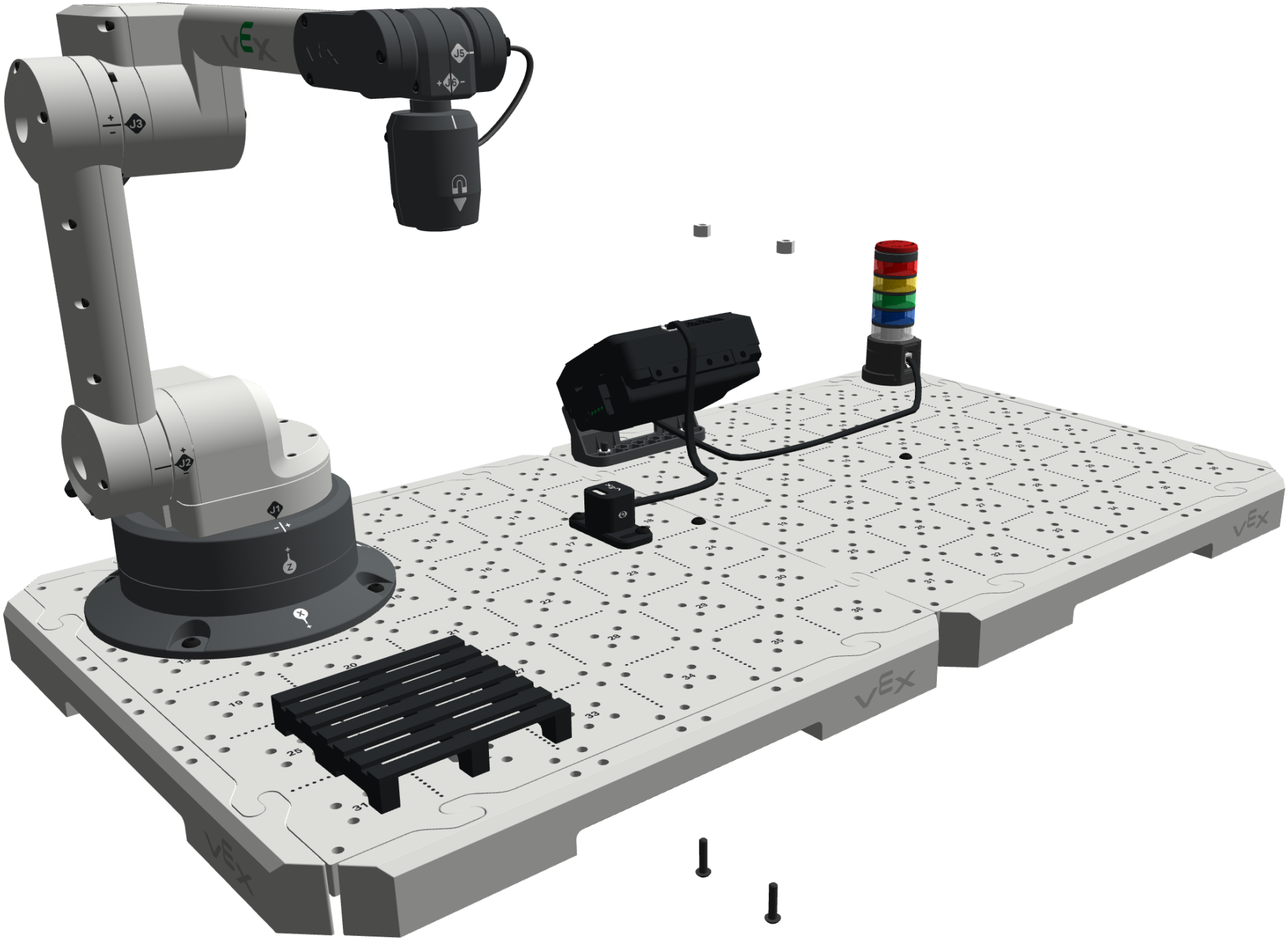
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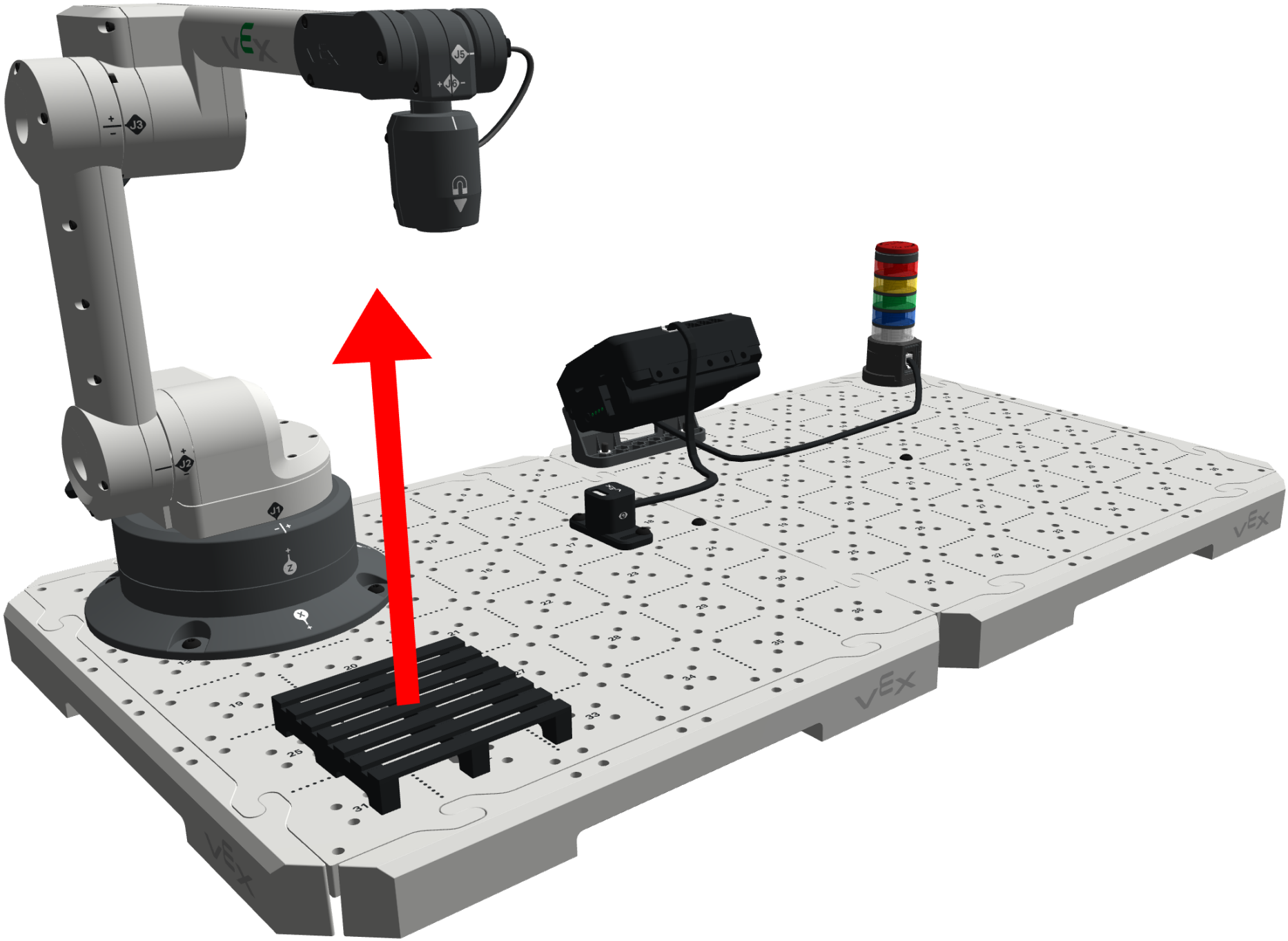
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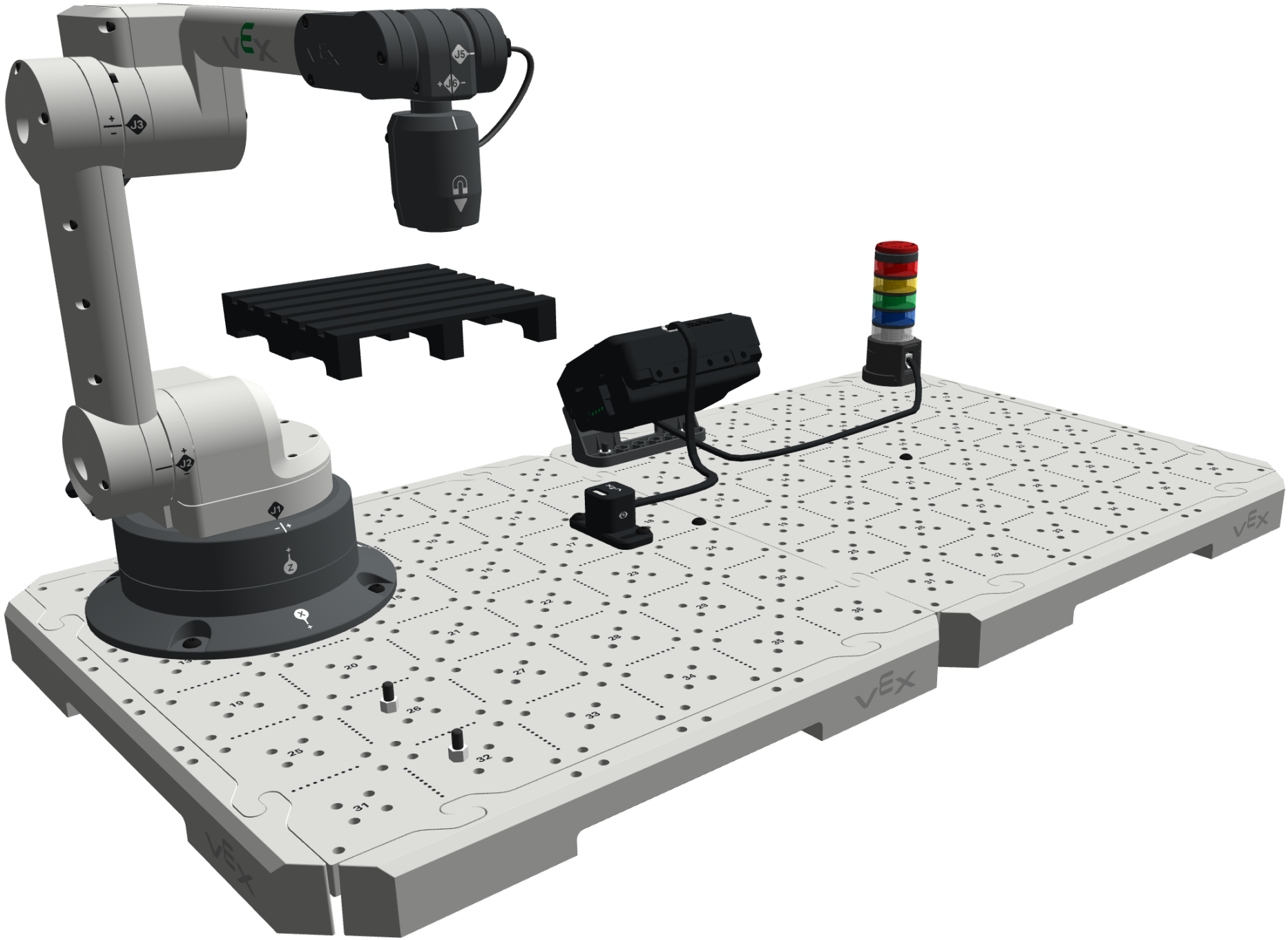
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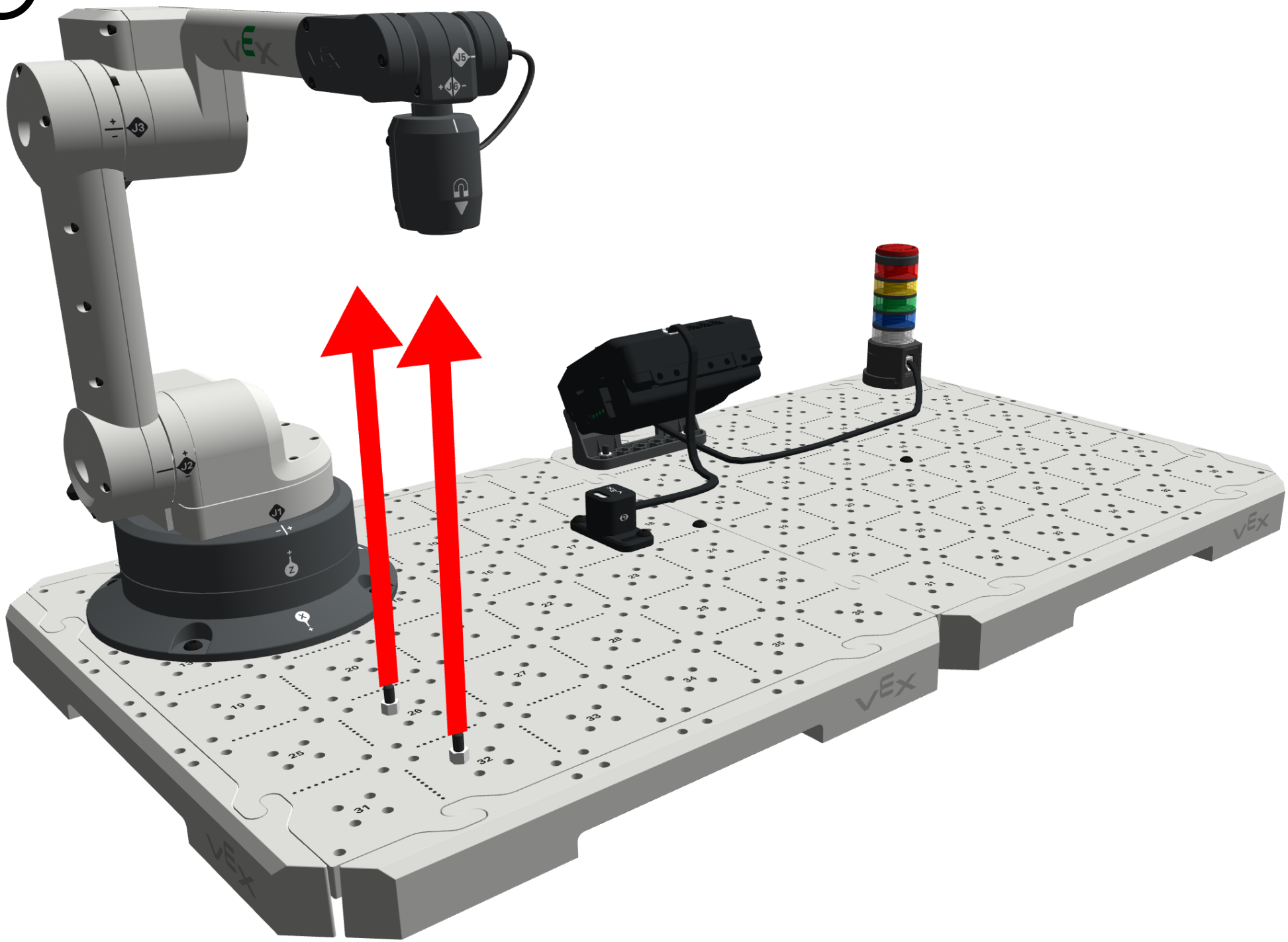
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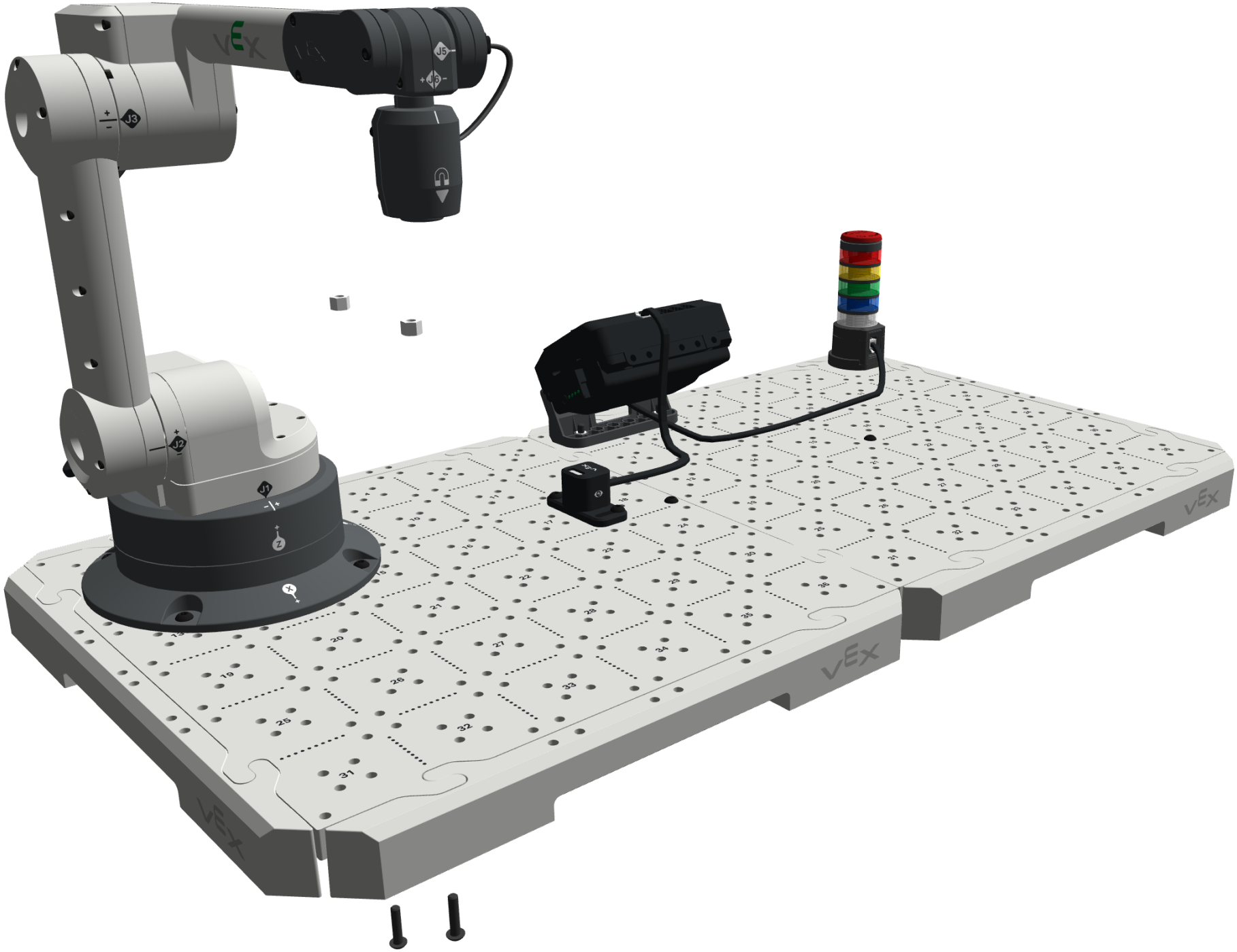
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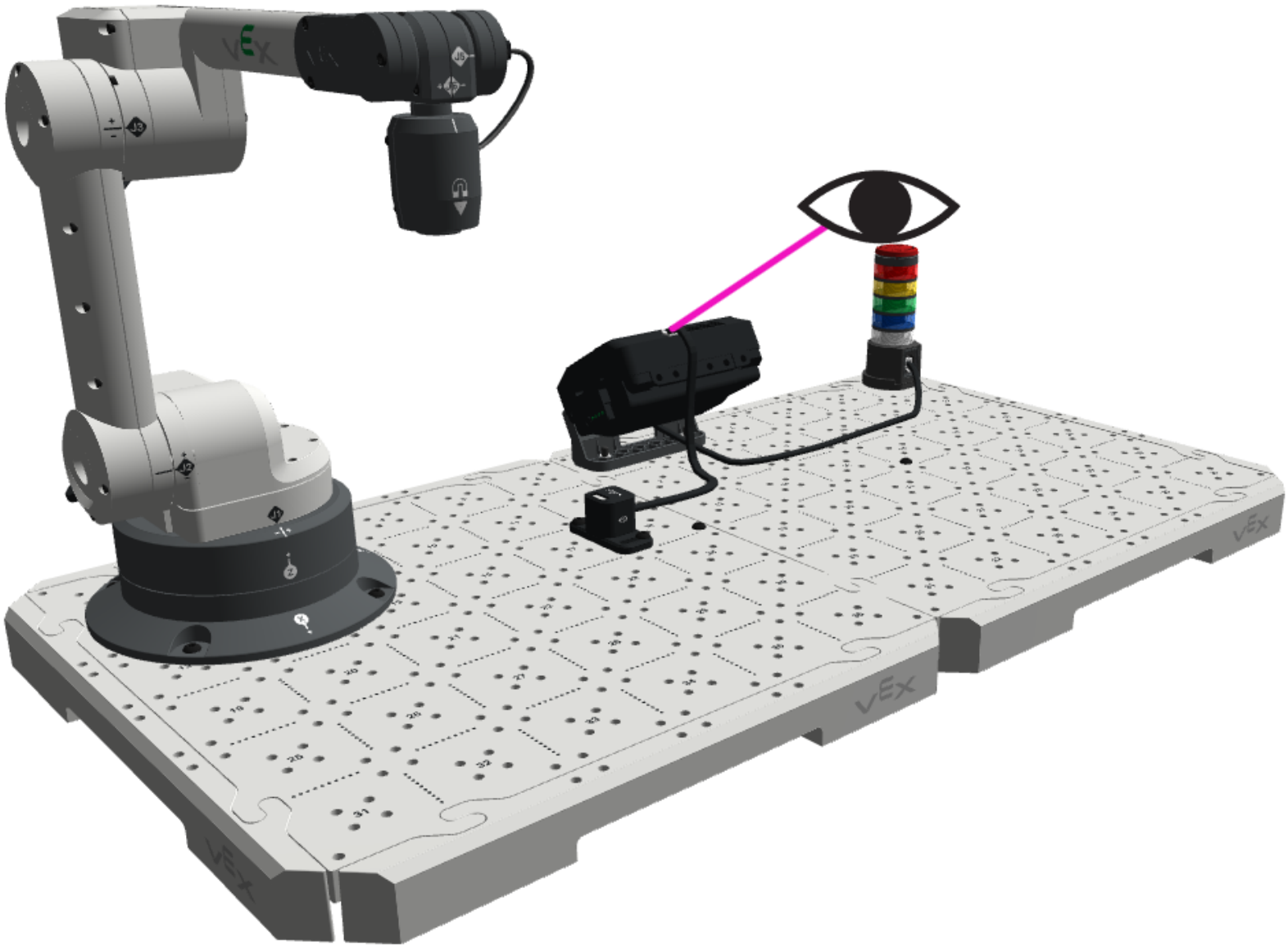


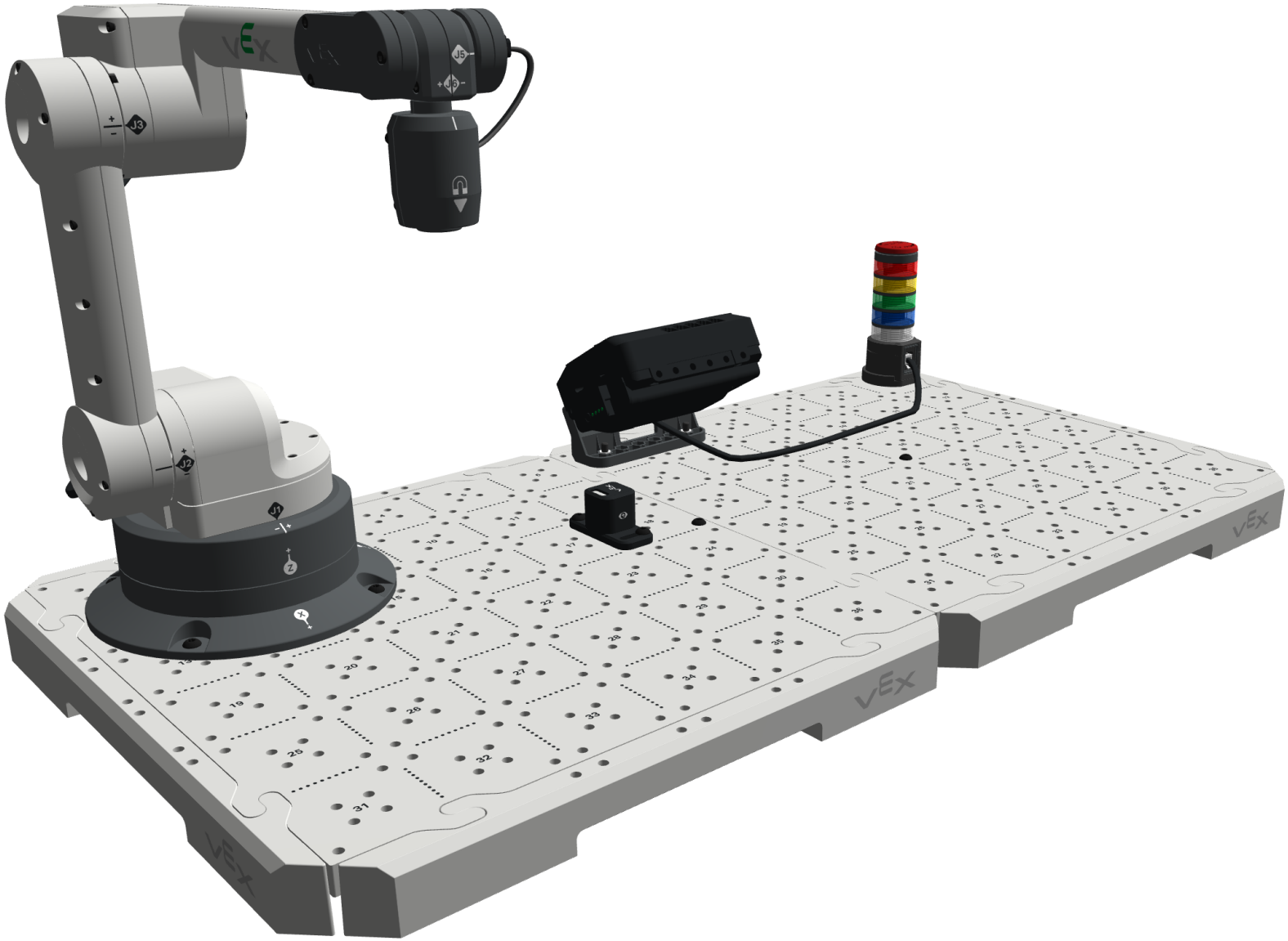
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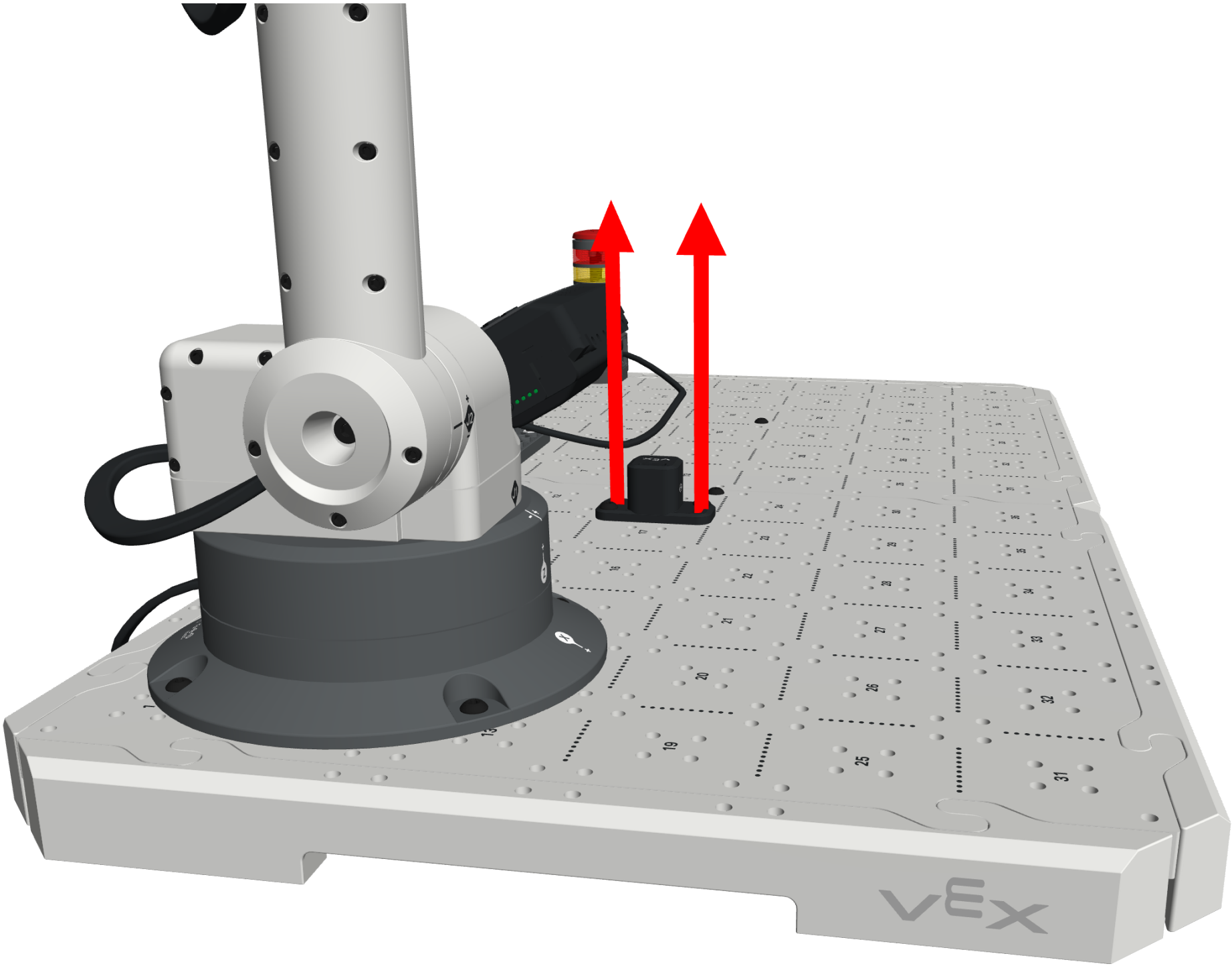
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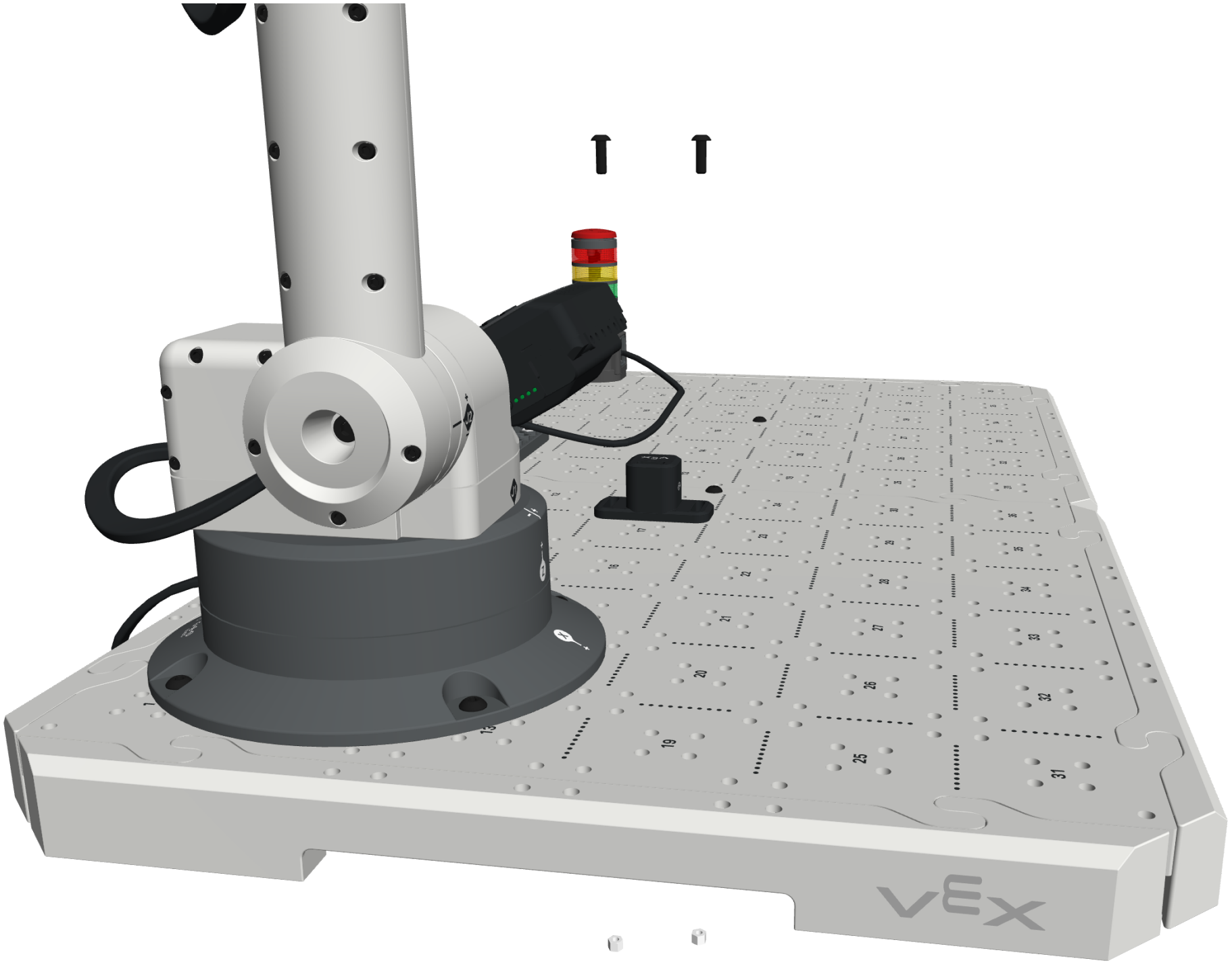



VEX
J5
J3
J2
J1
VEX
VEX
VEX

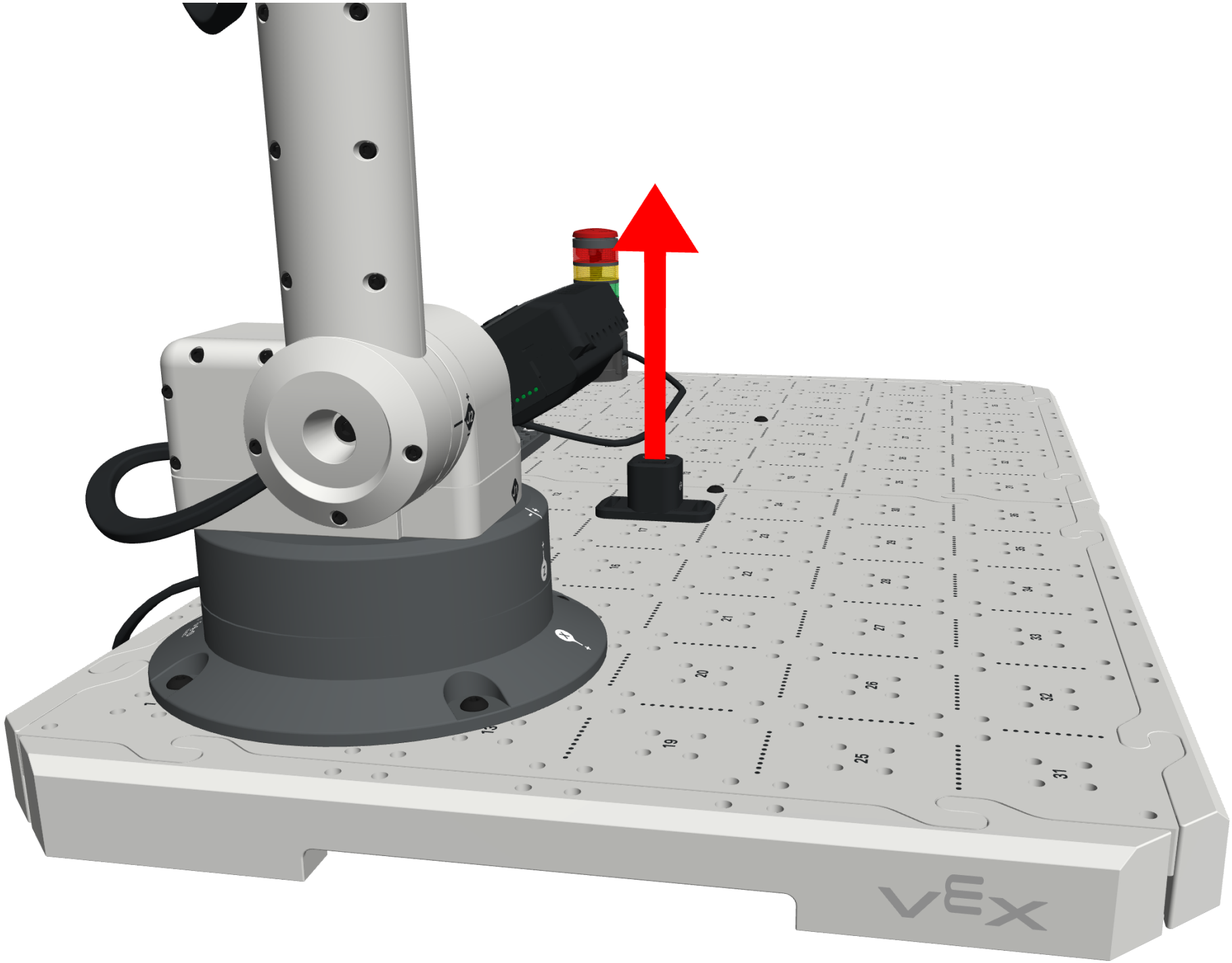
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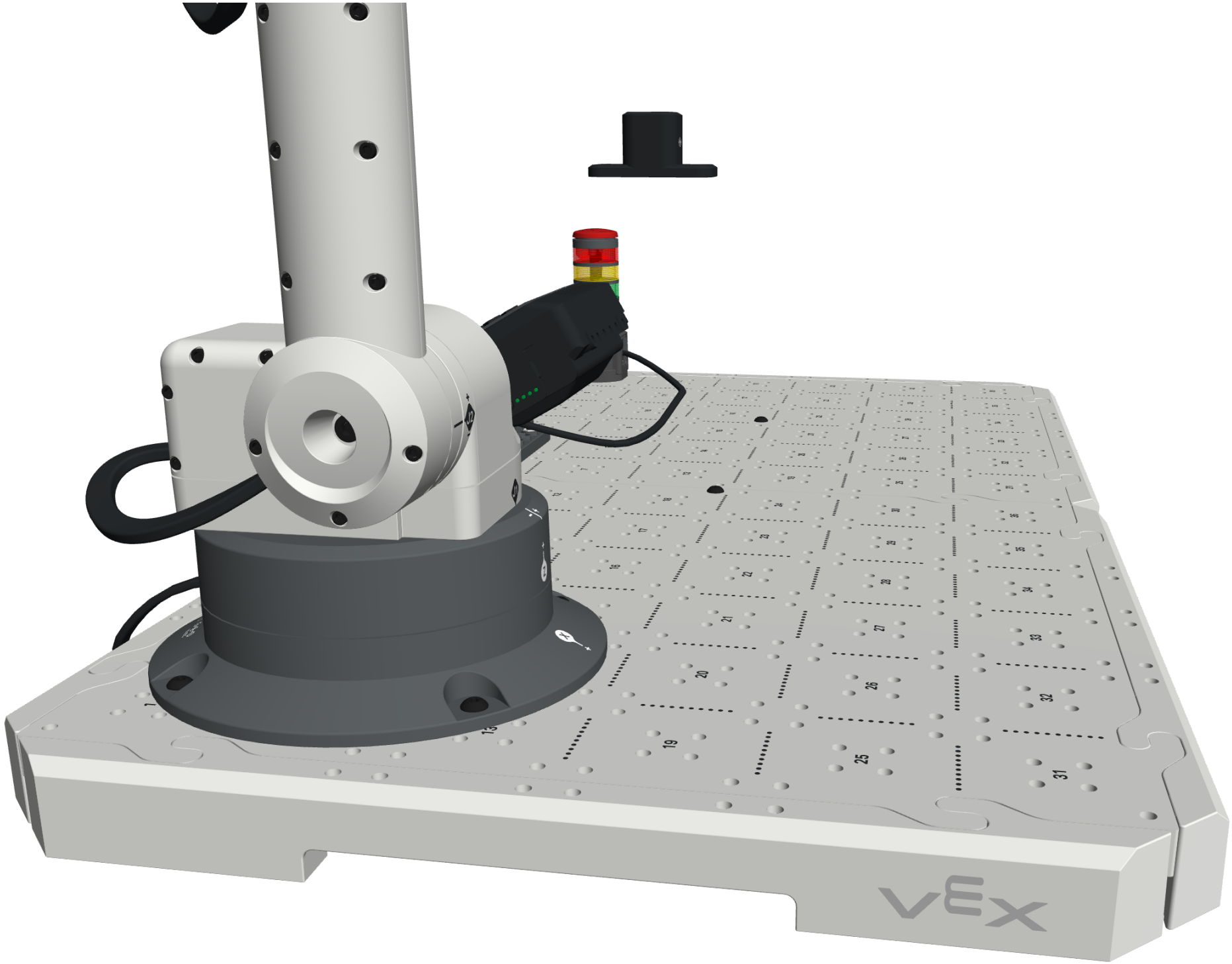


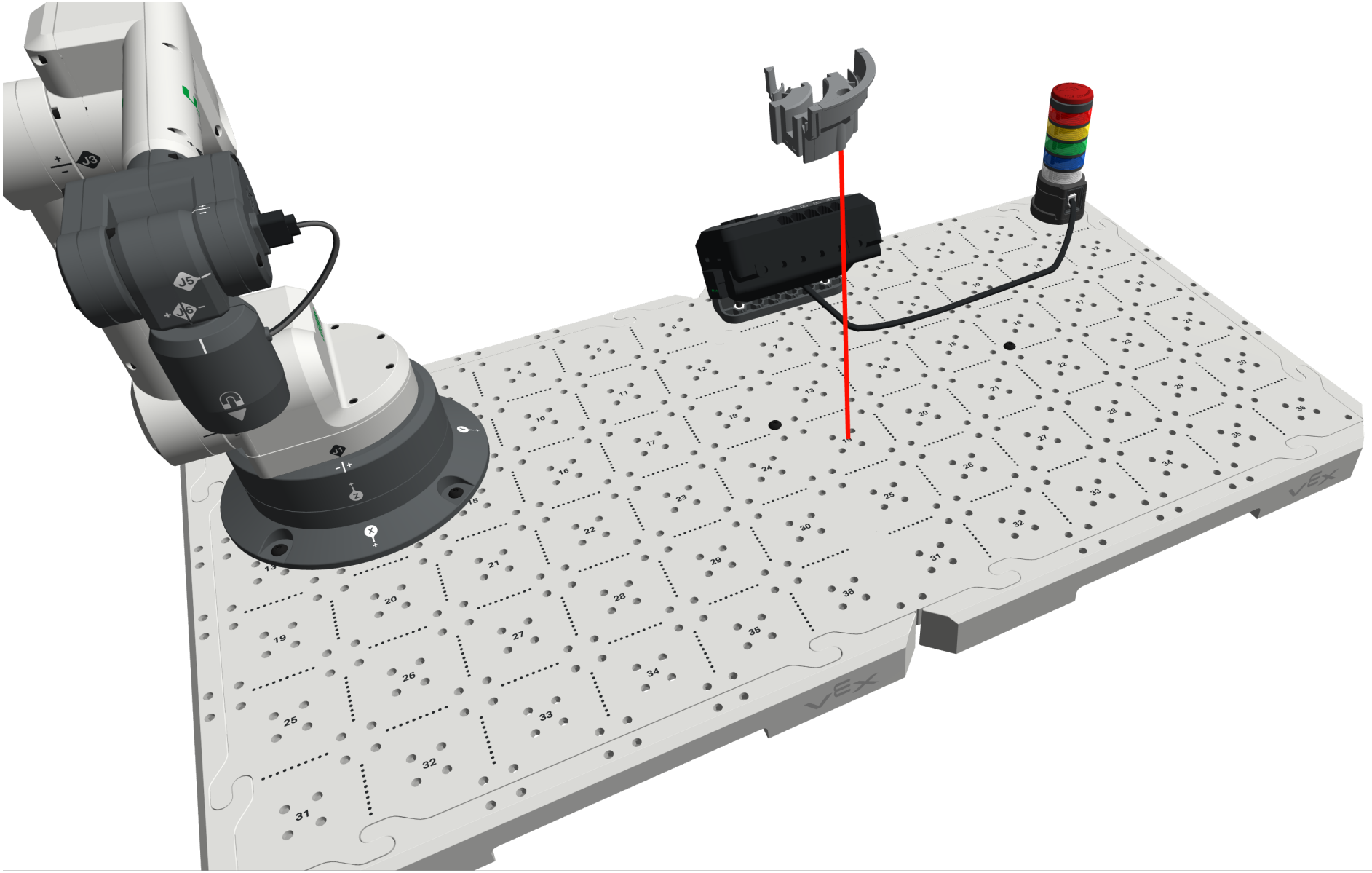
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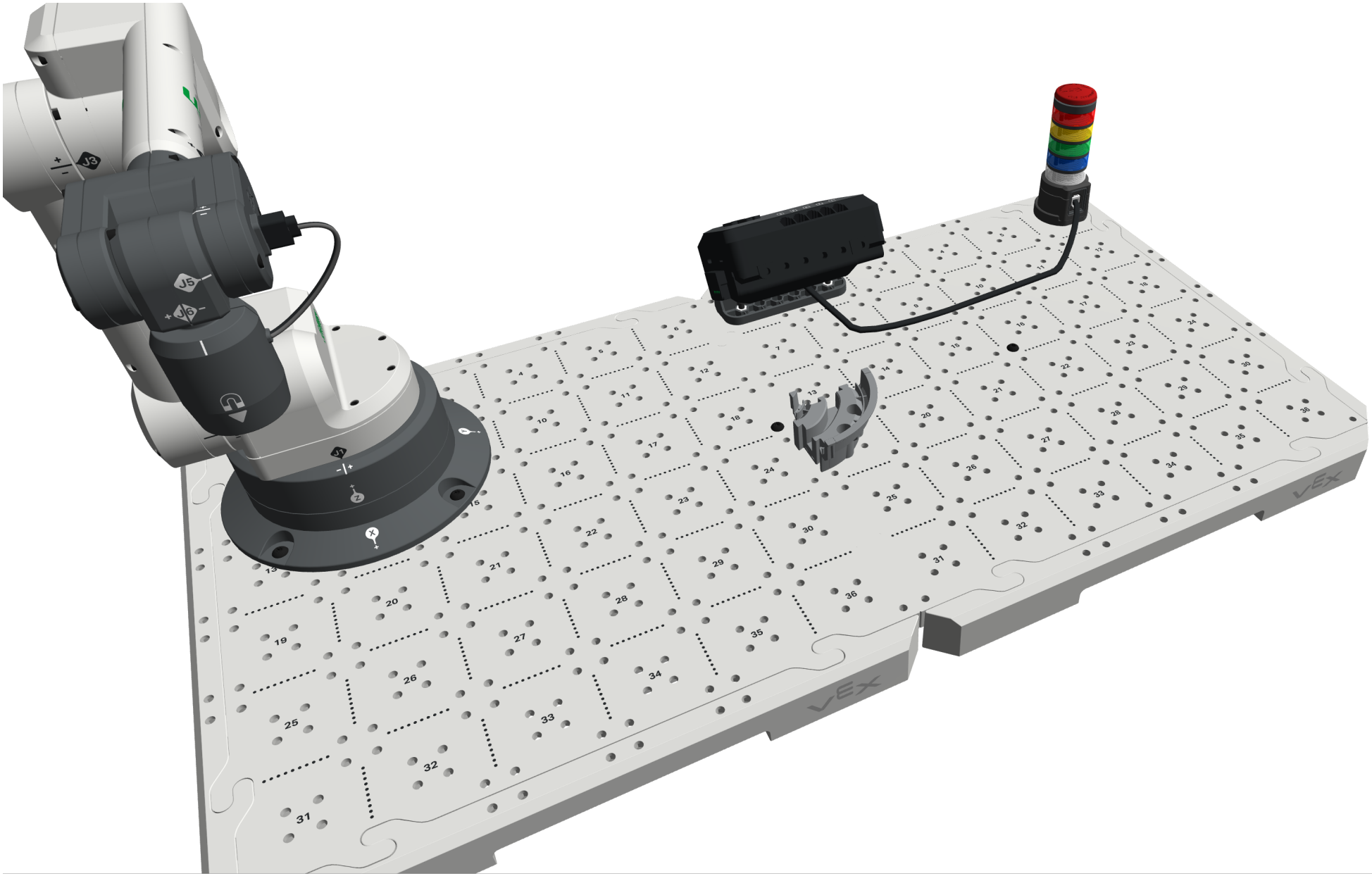


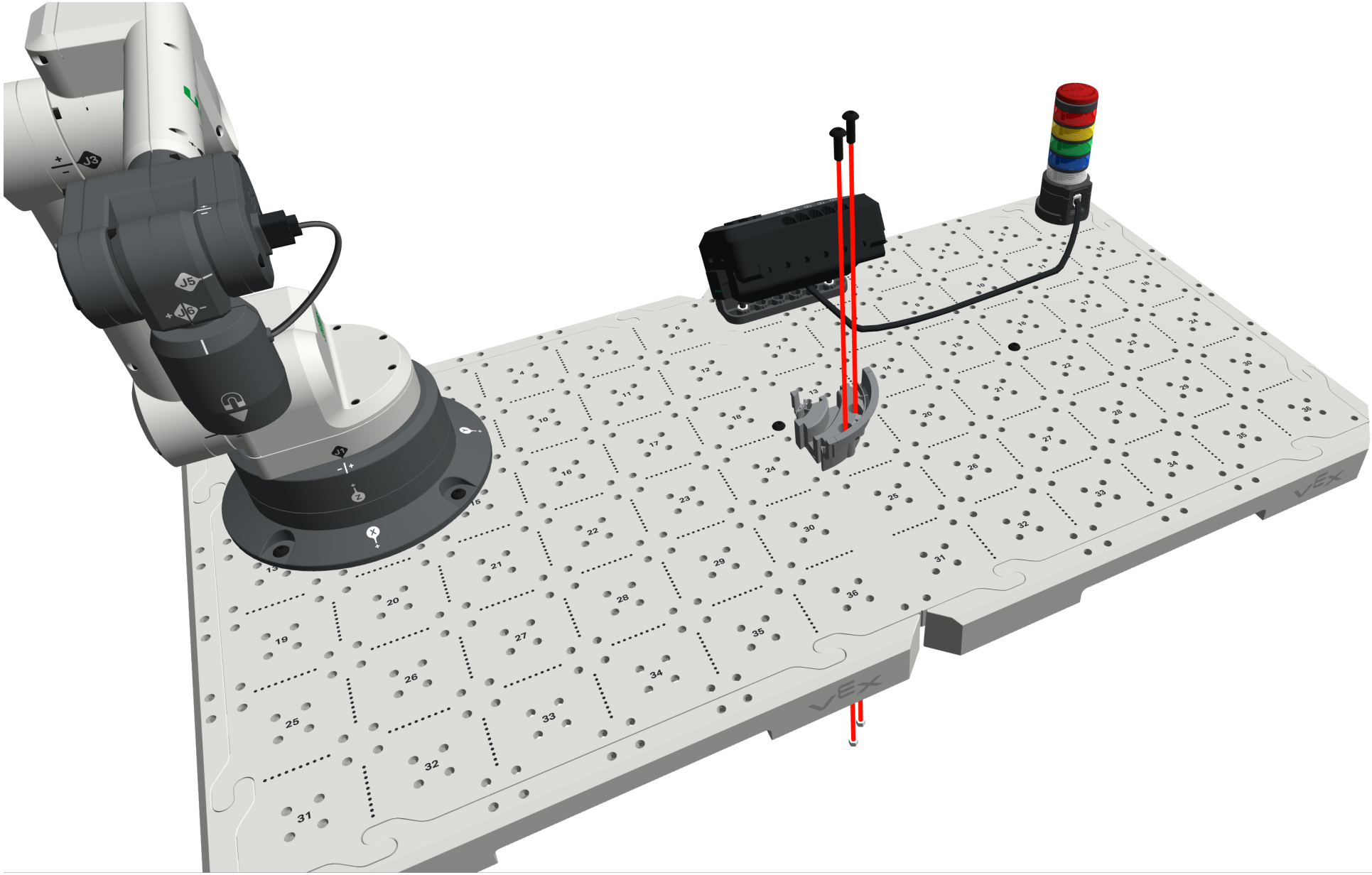
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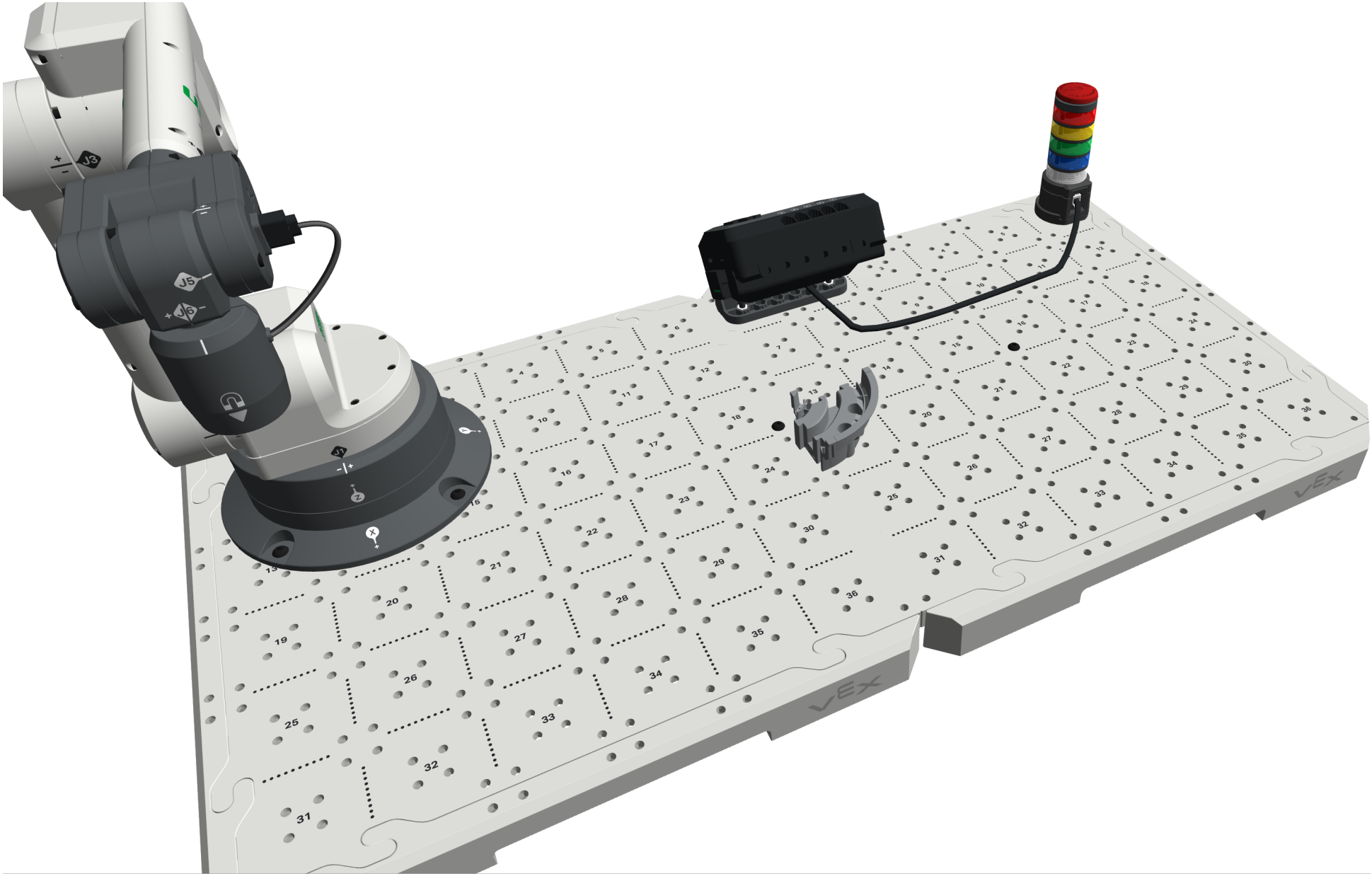


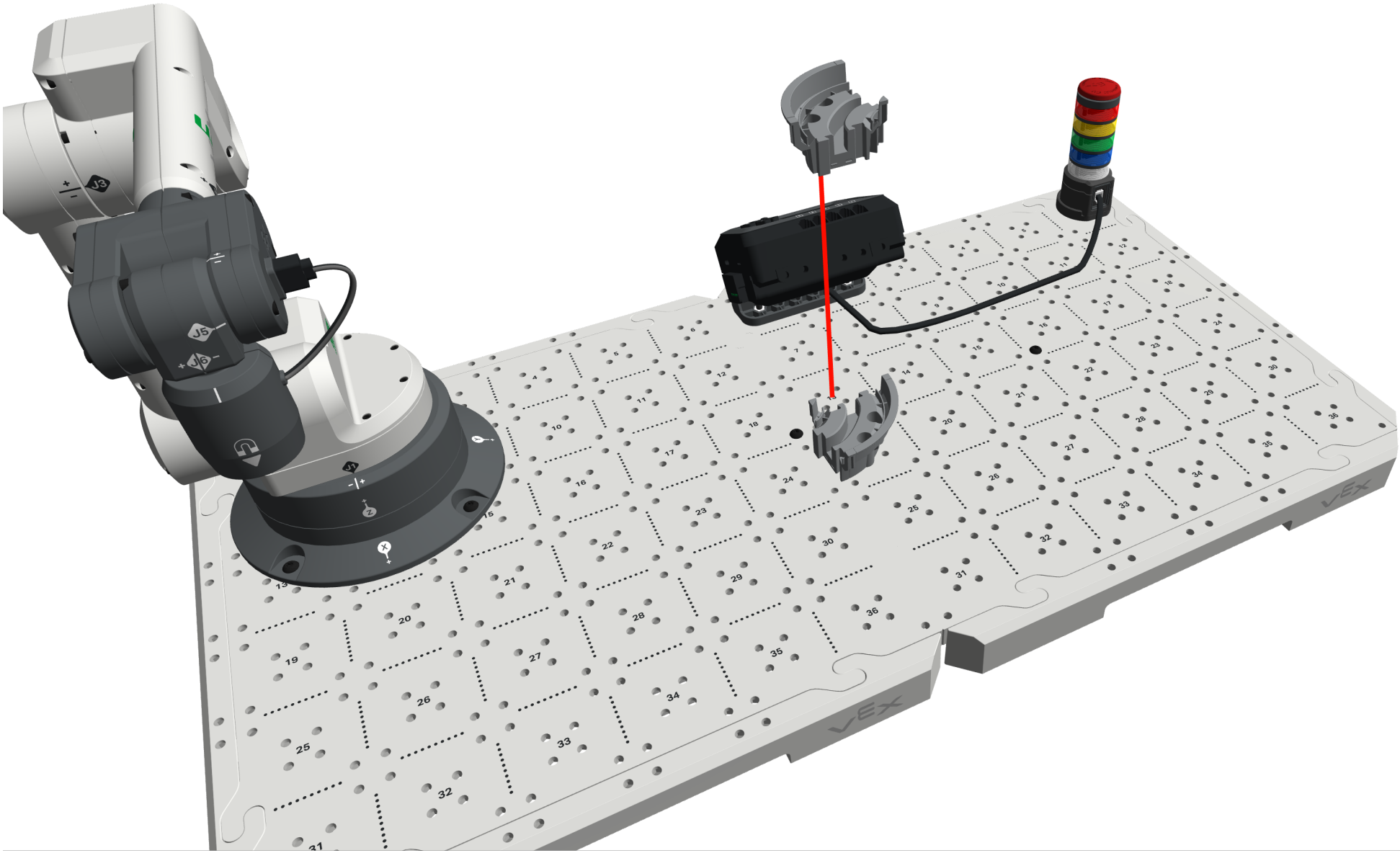

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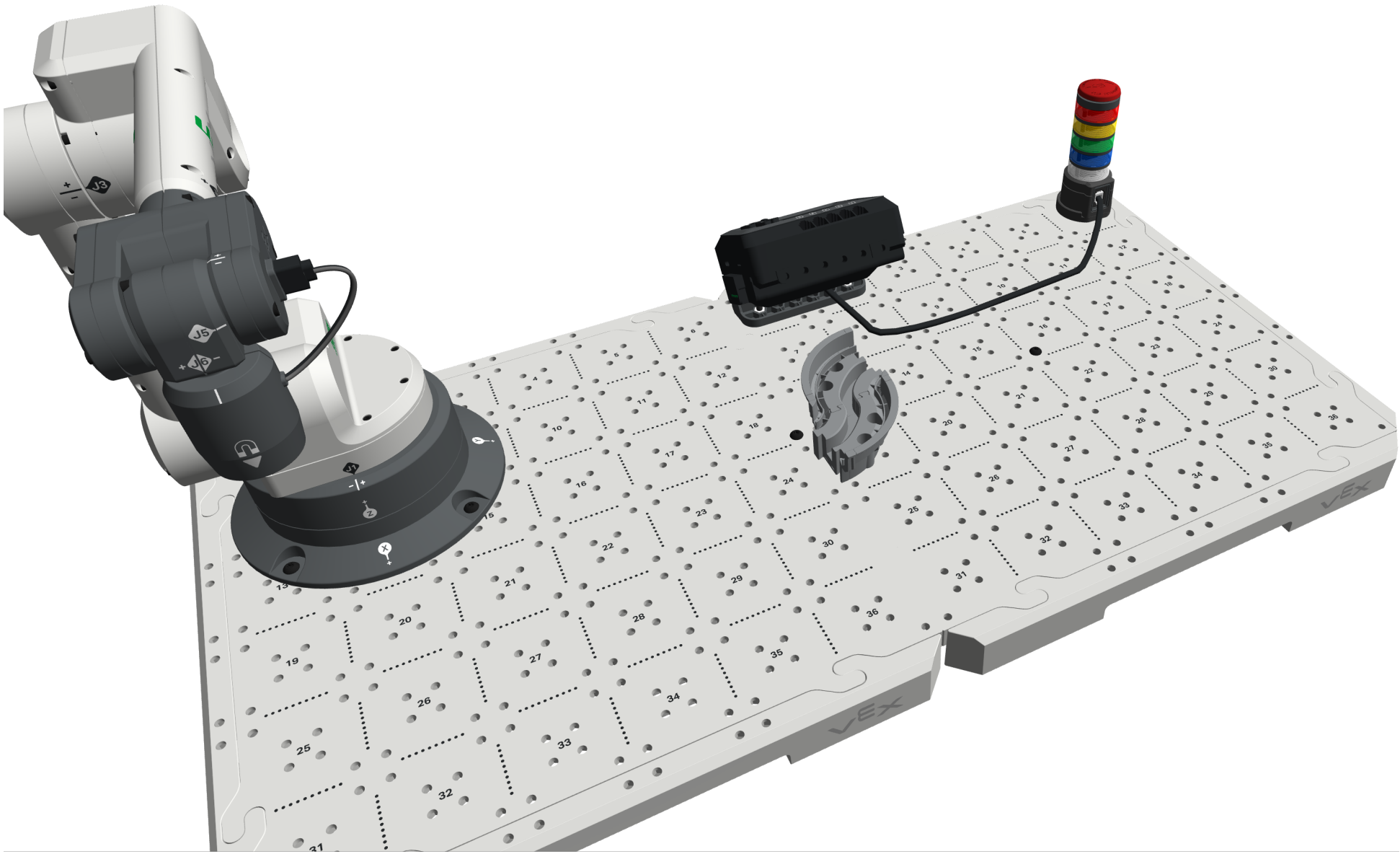

J3
J5
J6
J1
Z
X
VEX

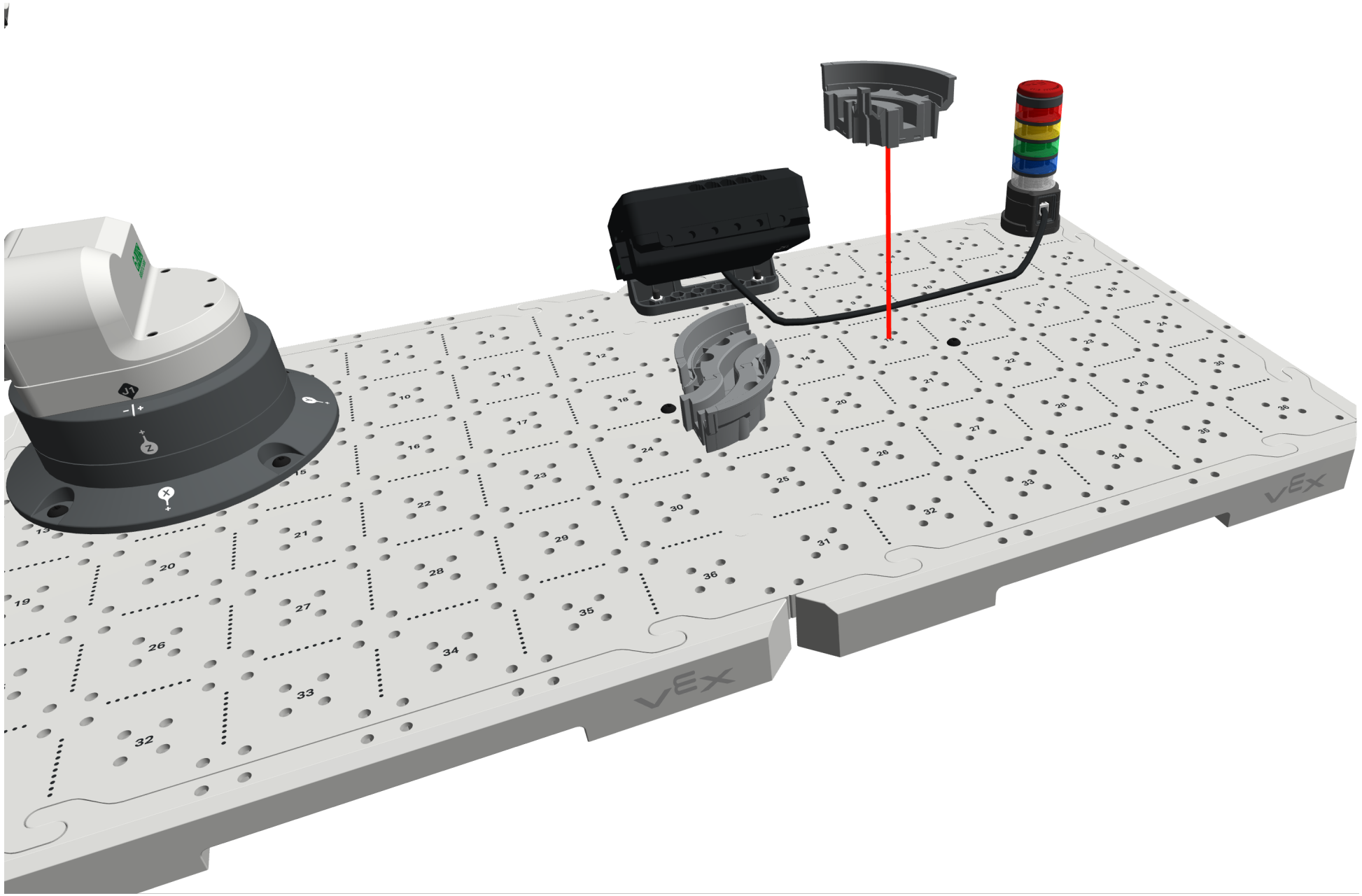

J3
J5
J6
J1
VEX

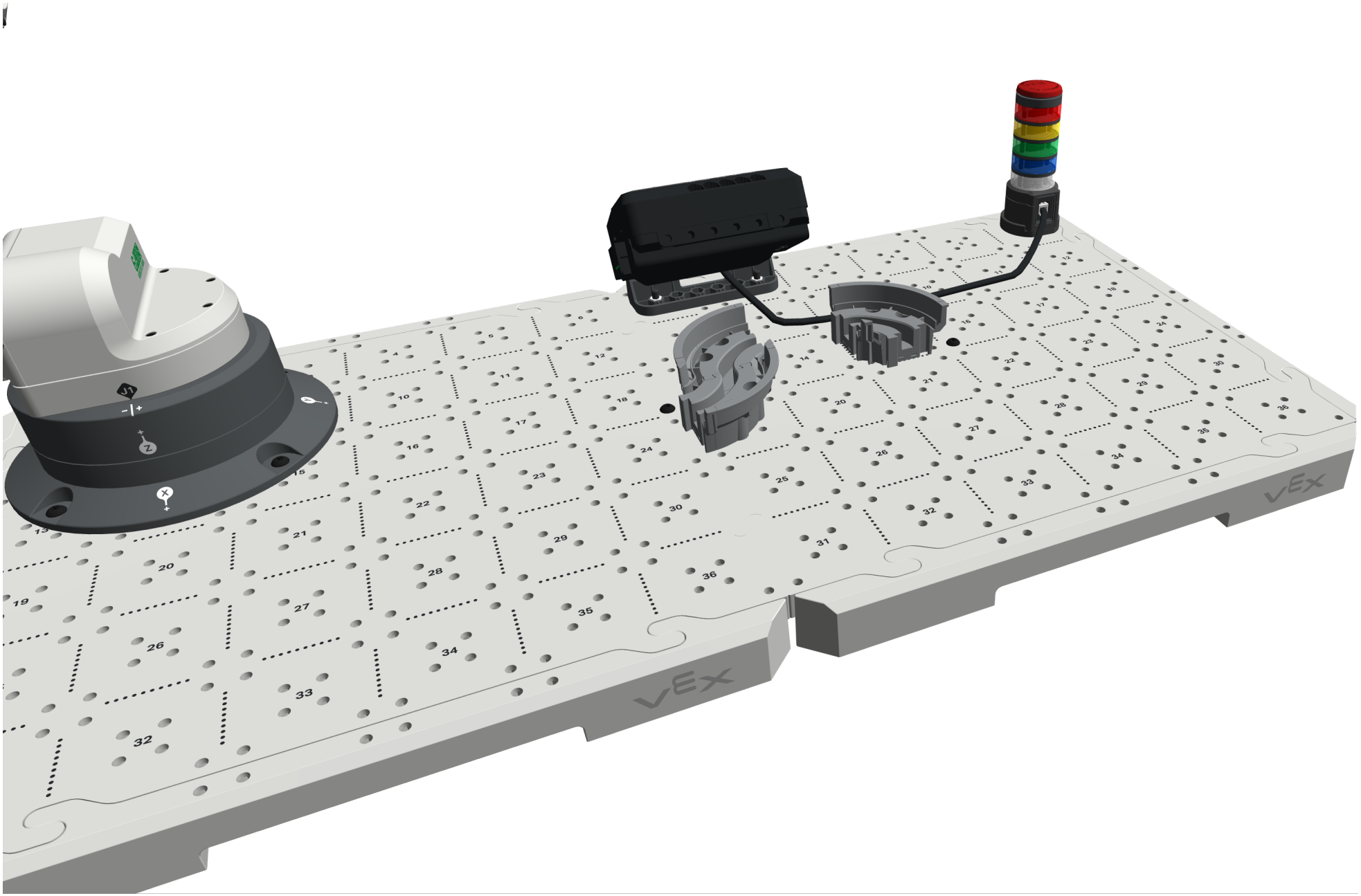

J3
J5
J6
J1
Z
X
VEX

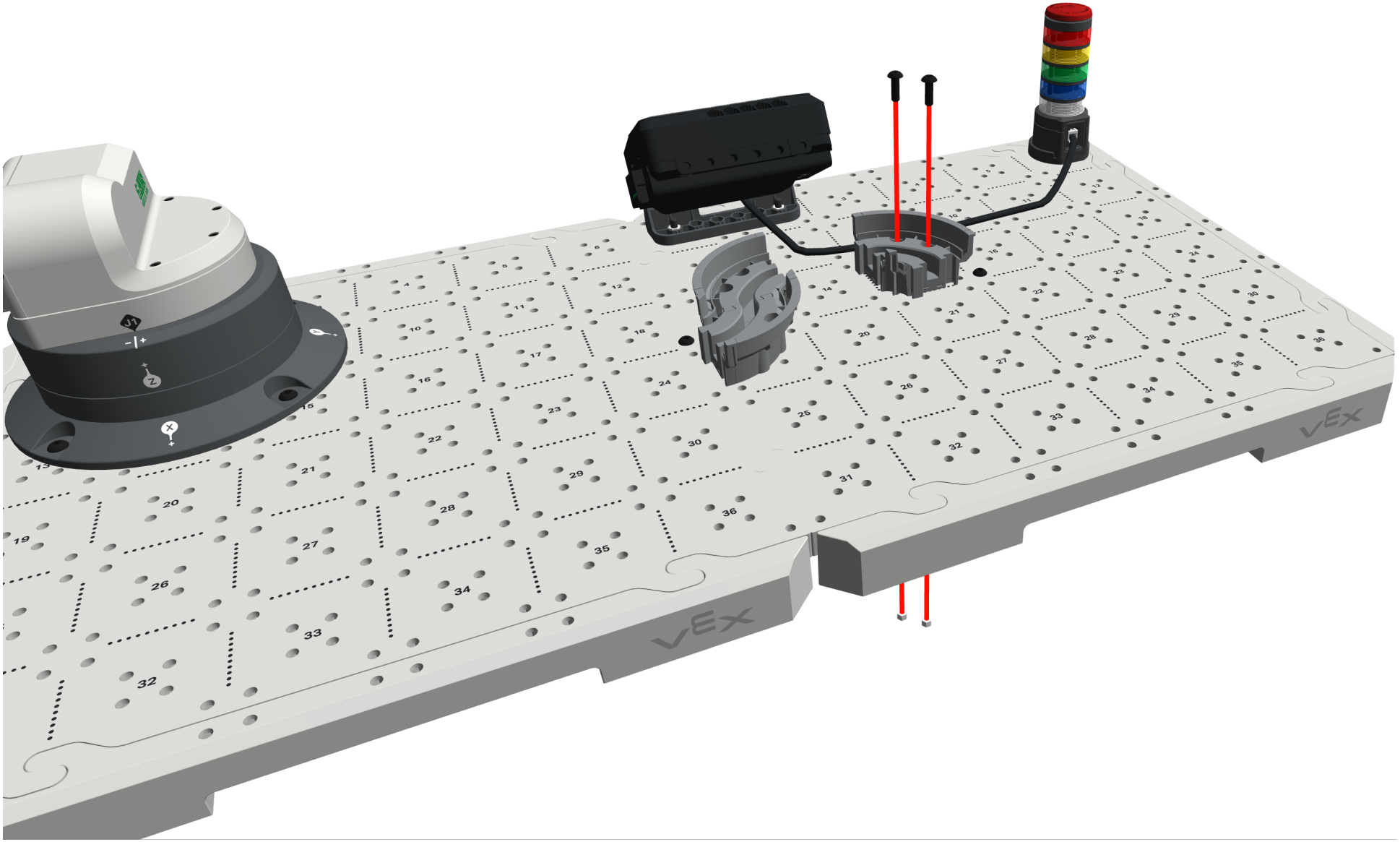

J3
J5
J6
A1
Z
X
VEX

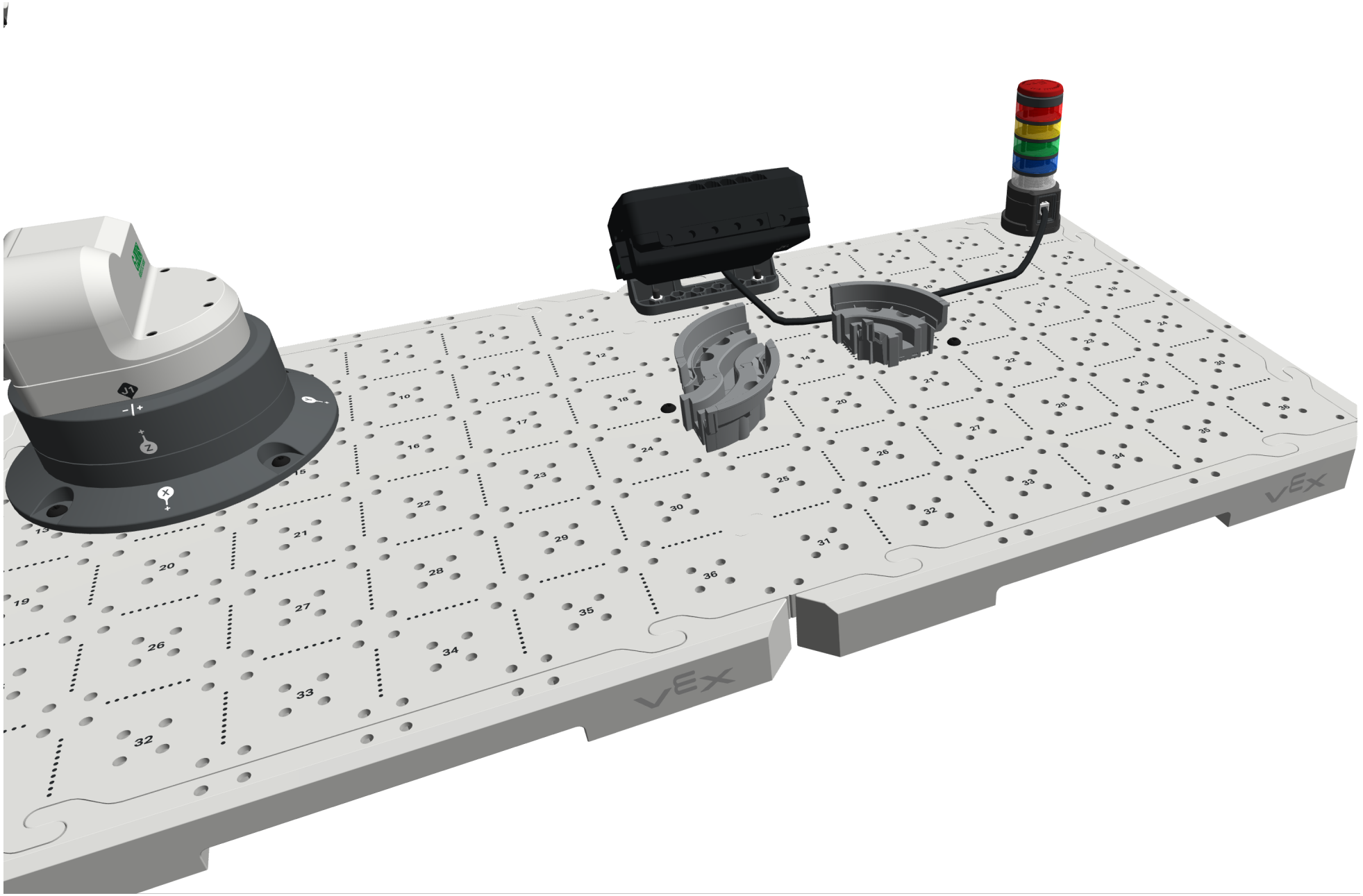

J3
J5
J6
J1
Z
X
VEX

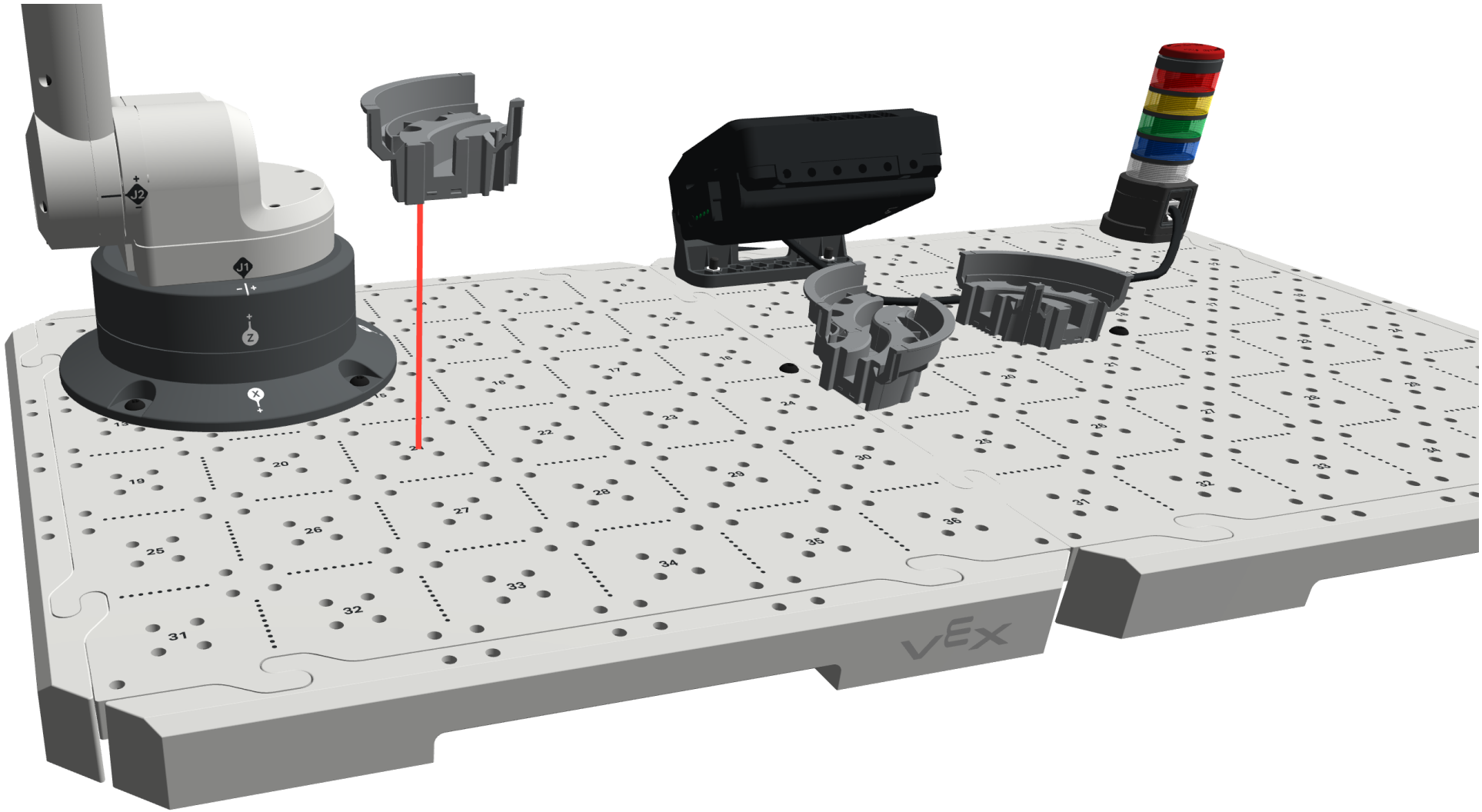

J3
J5
J6
J1
Z
X
VEX

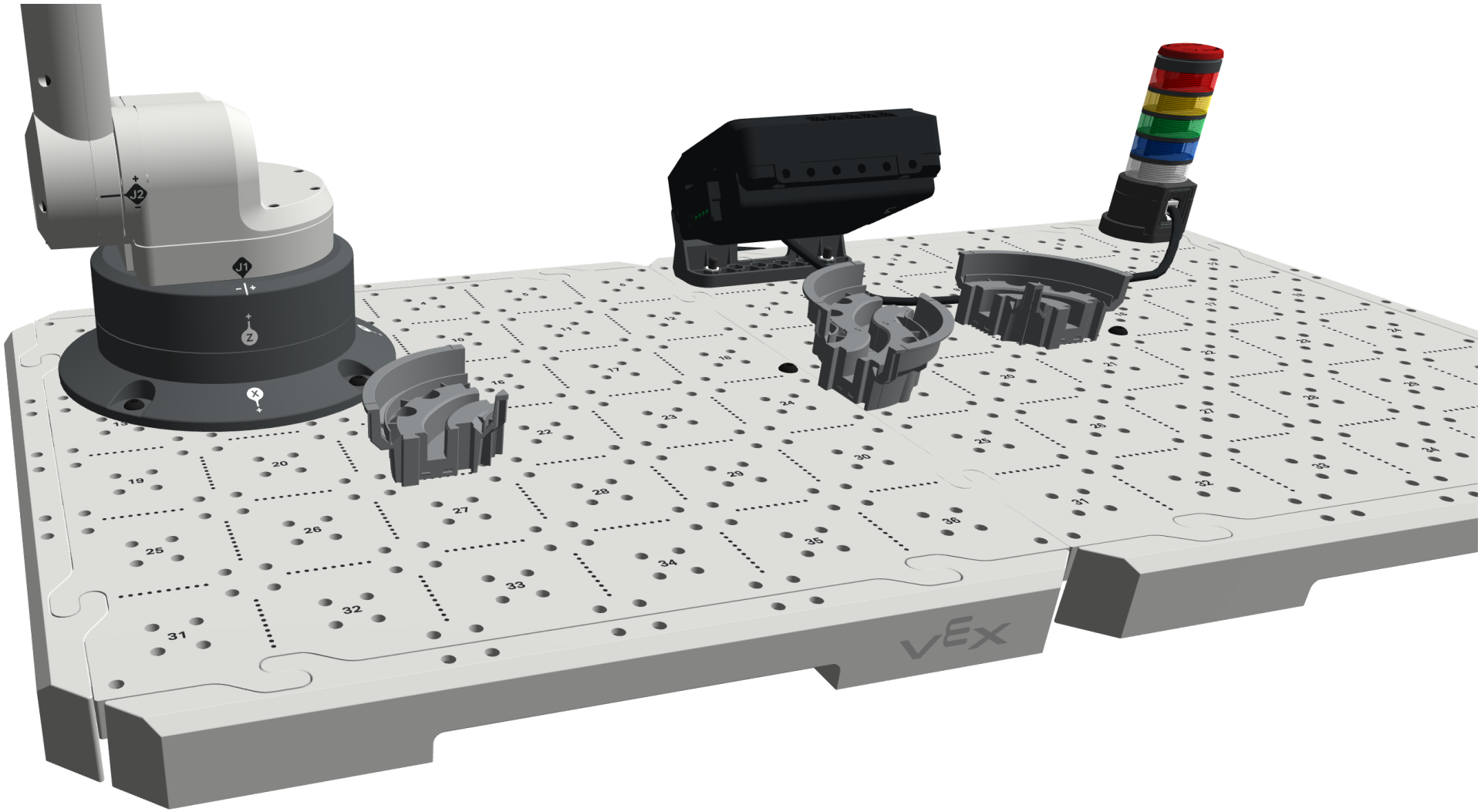

J1
VEX
VEX

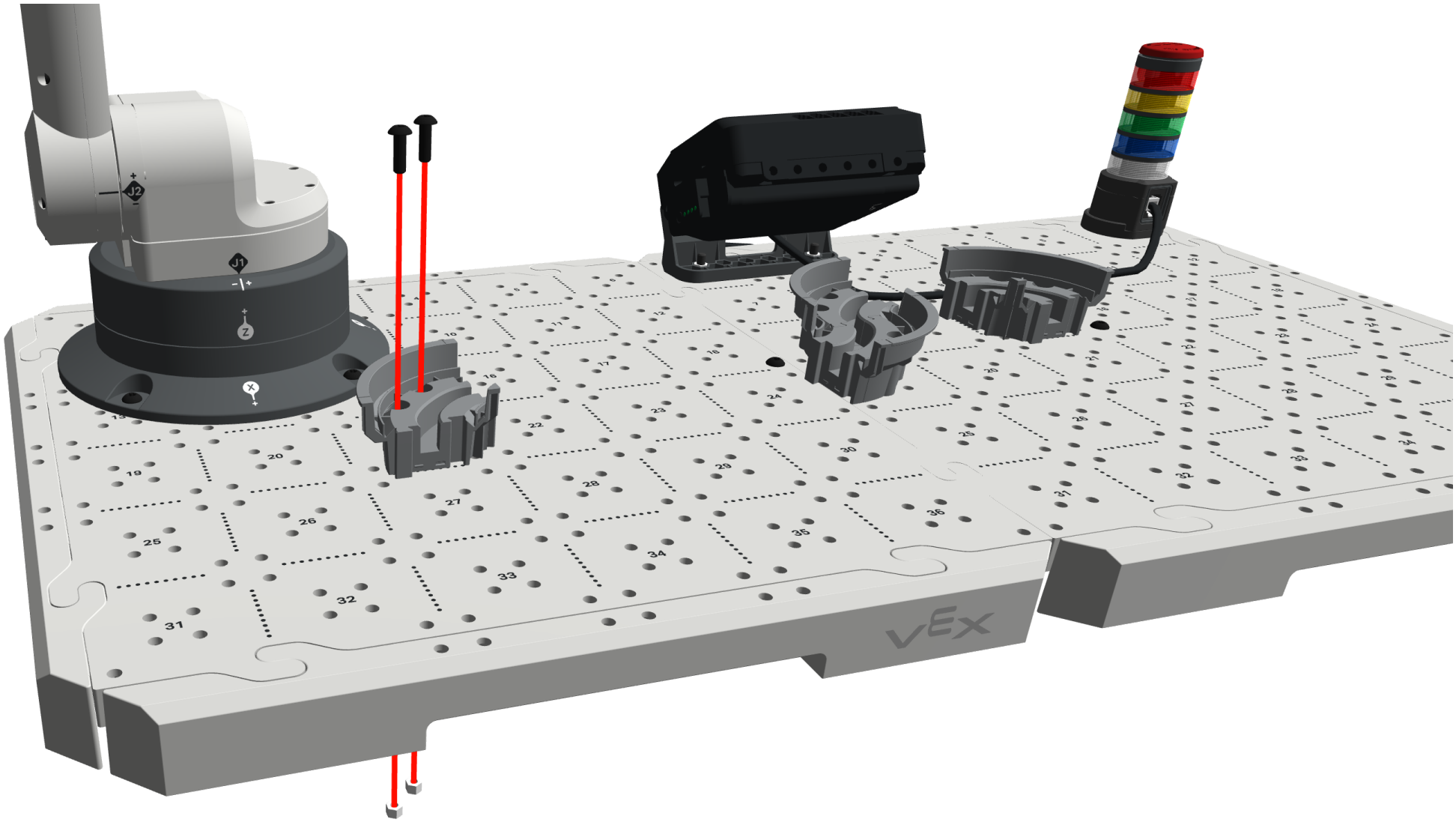

J1
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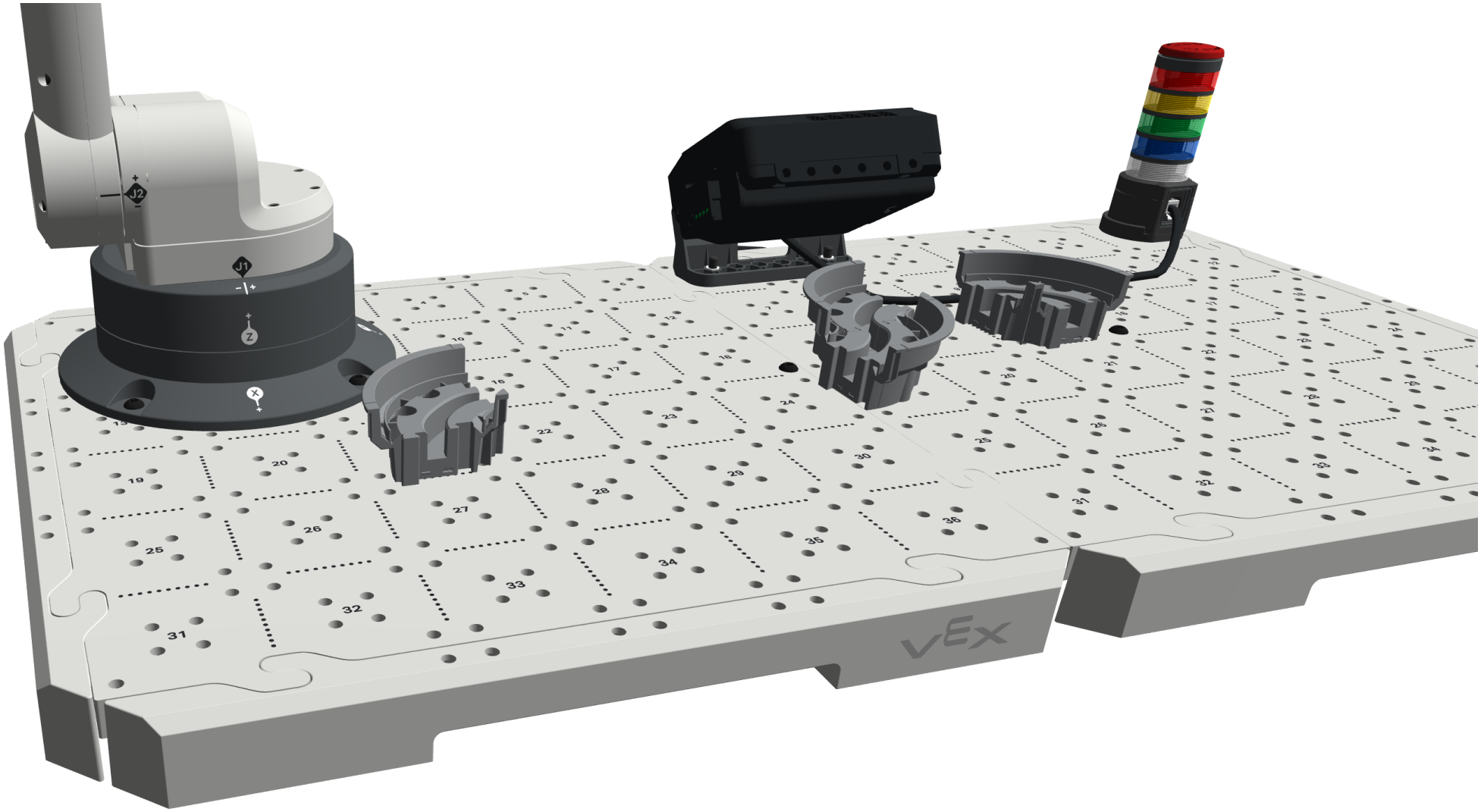

J1
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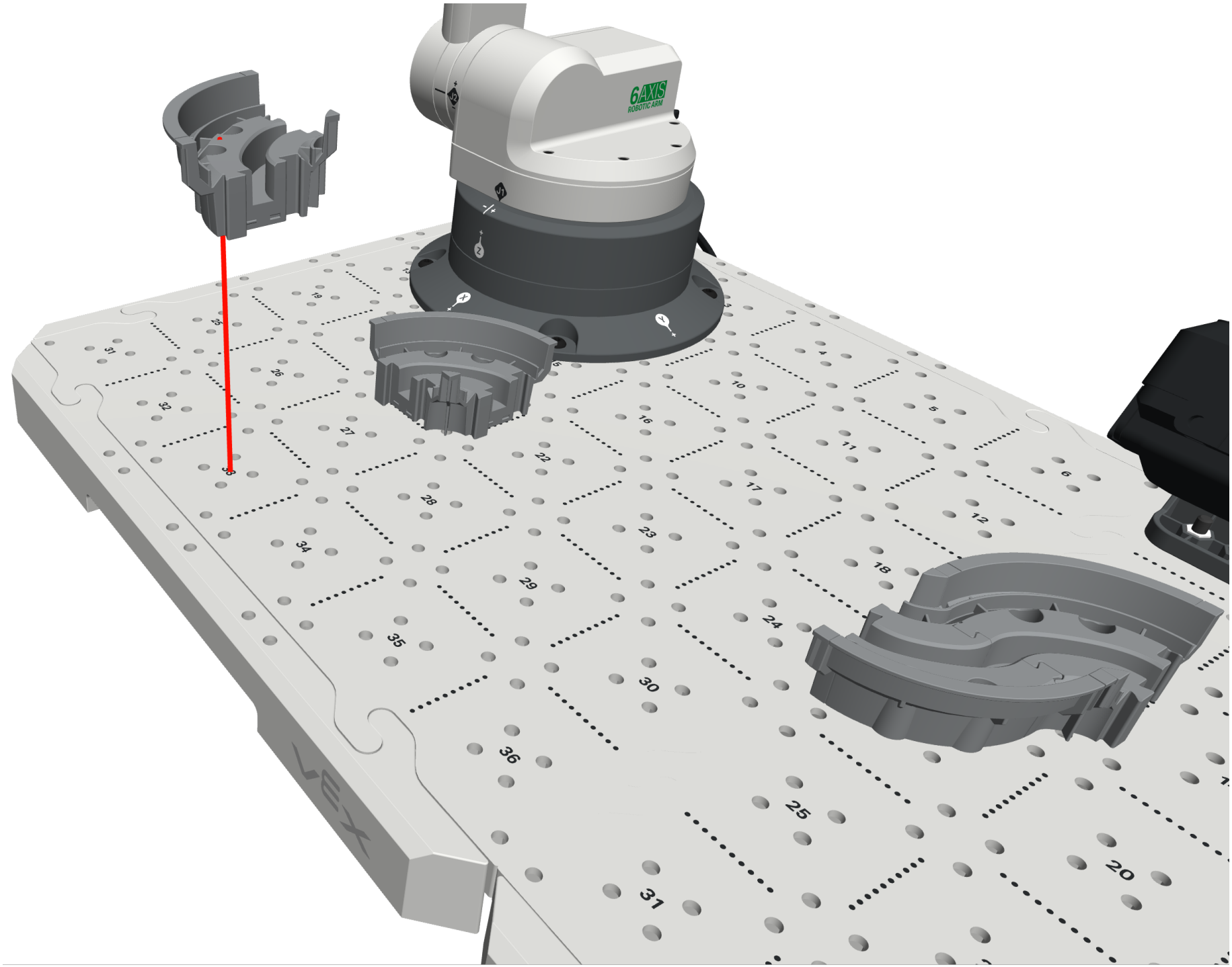

J1
Z
X
VEX
VEX

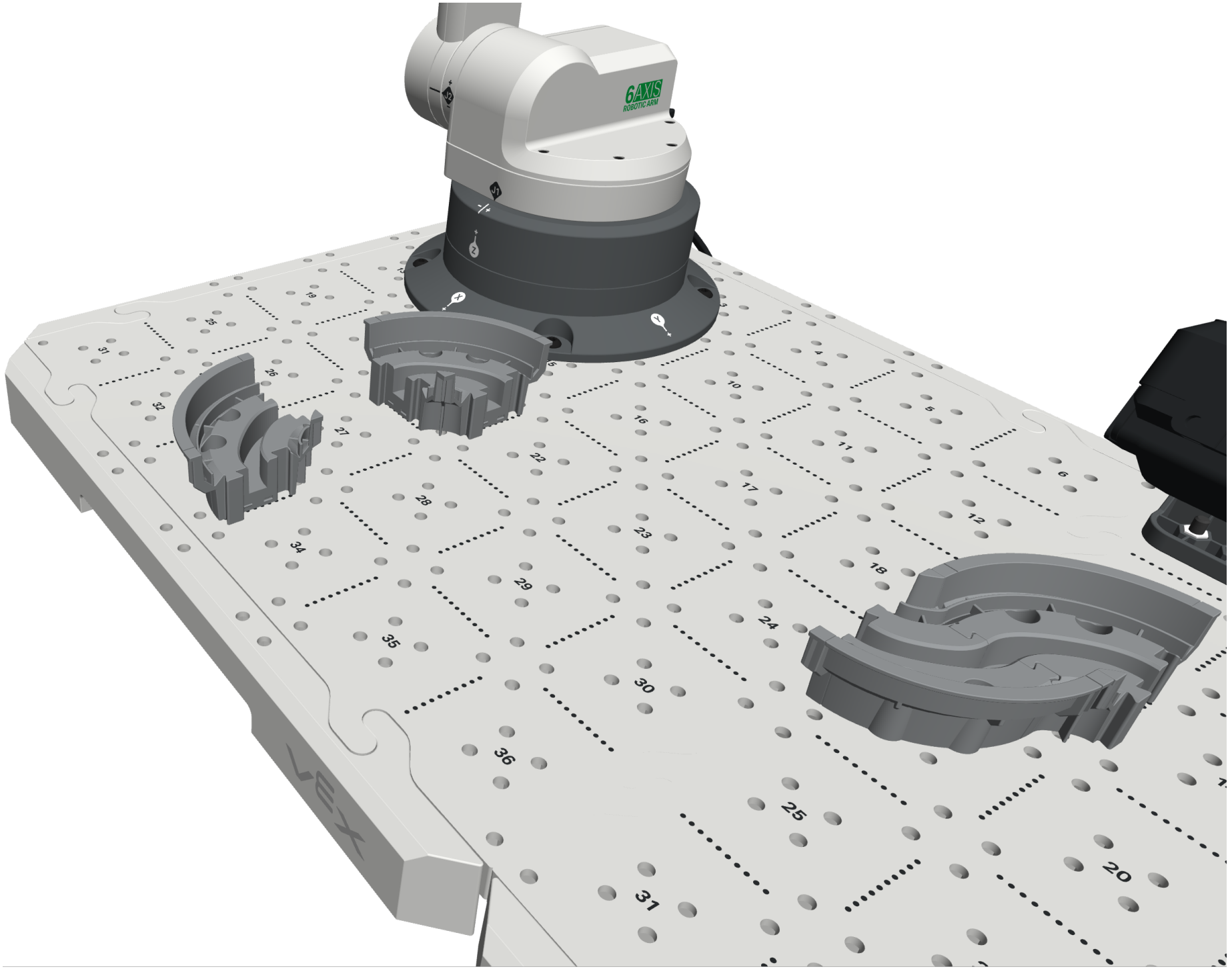

J2
J1
Z
X
VEX

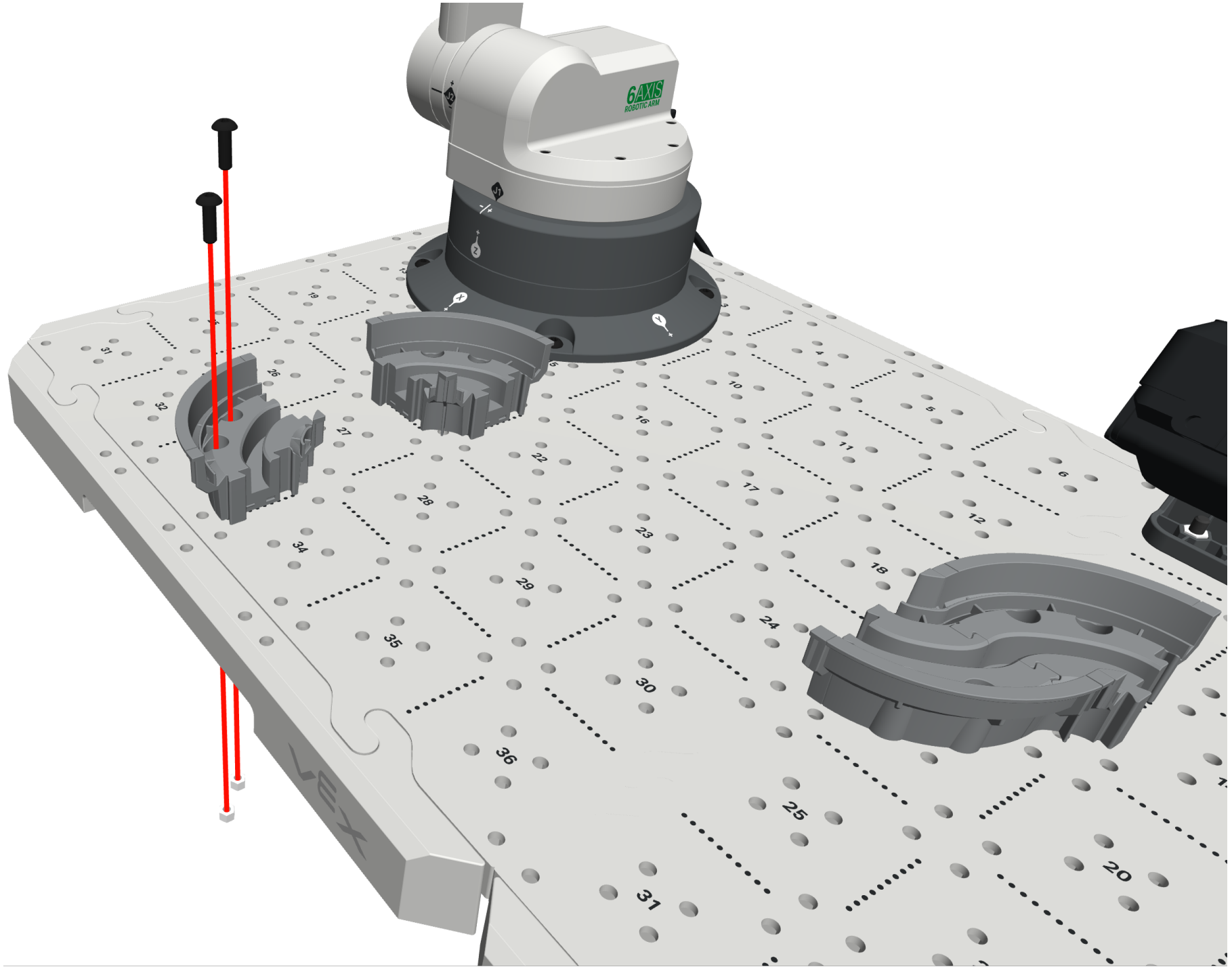

J1
J2
Z
X
VEX

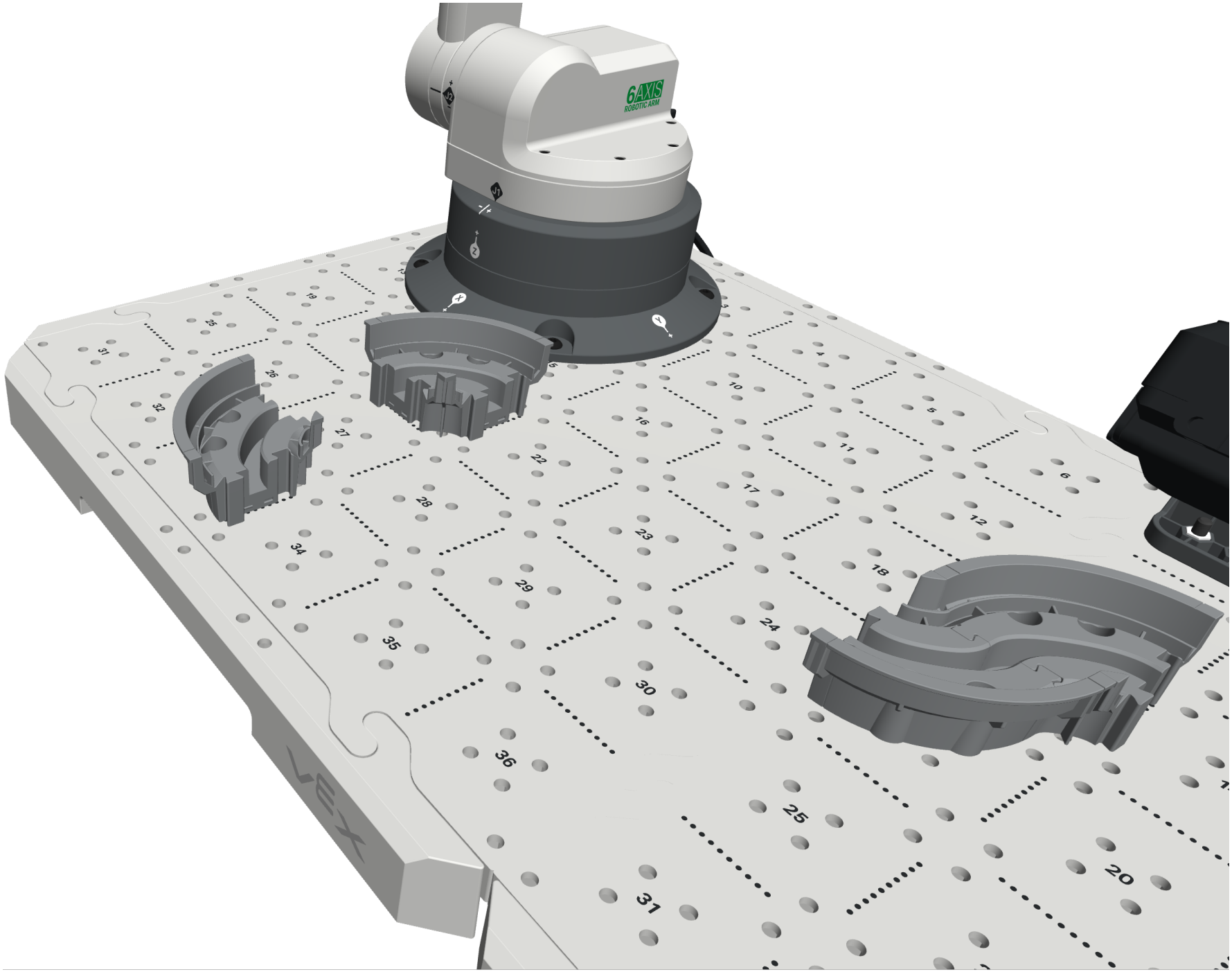

J1
J2
Z
X
VEX

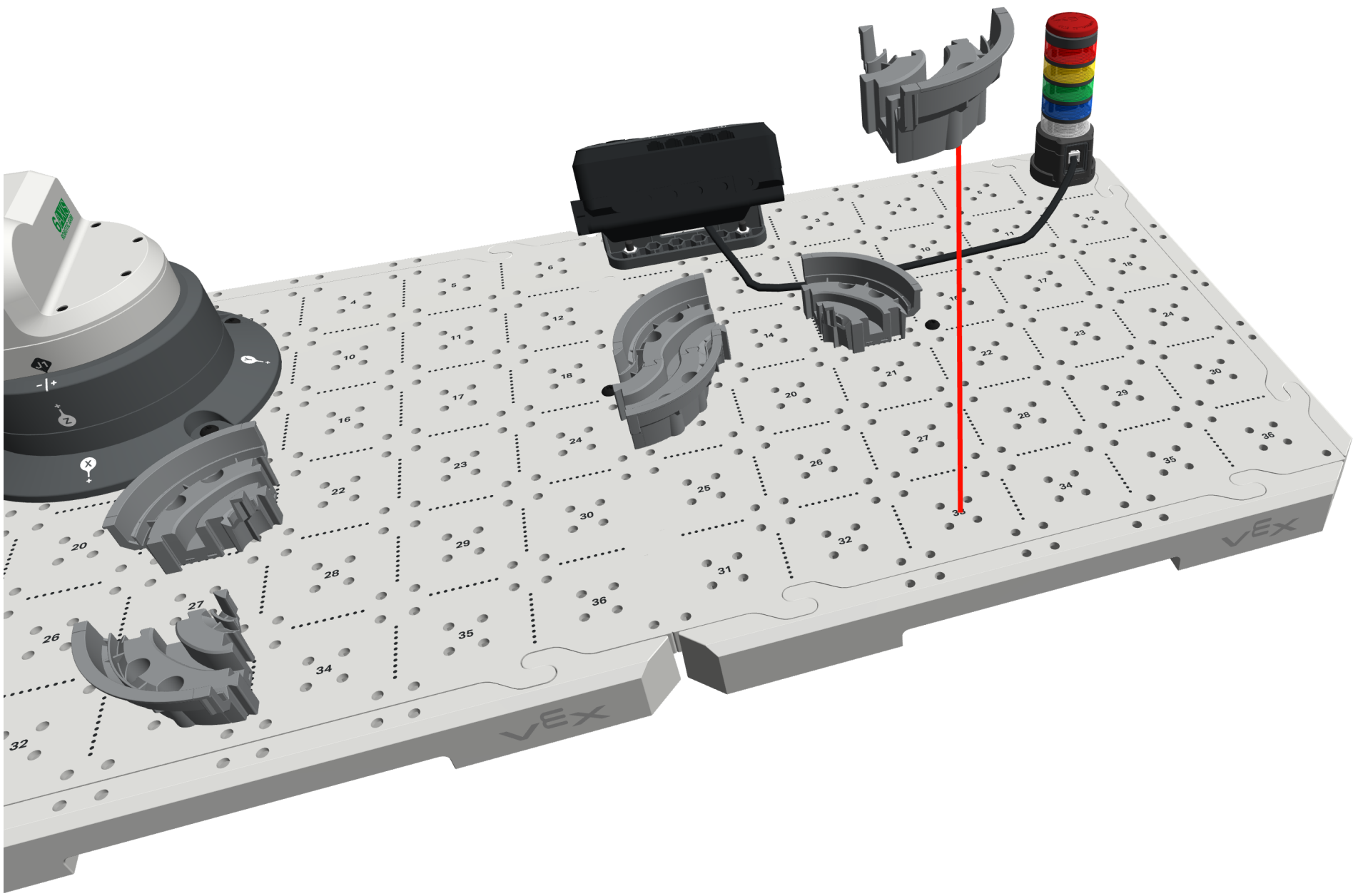

J2
J1
Z
X
VEX

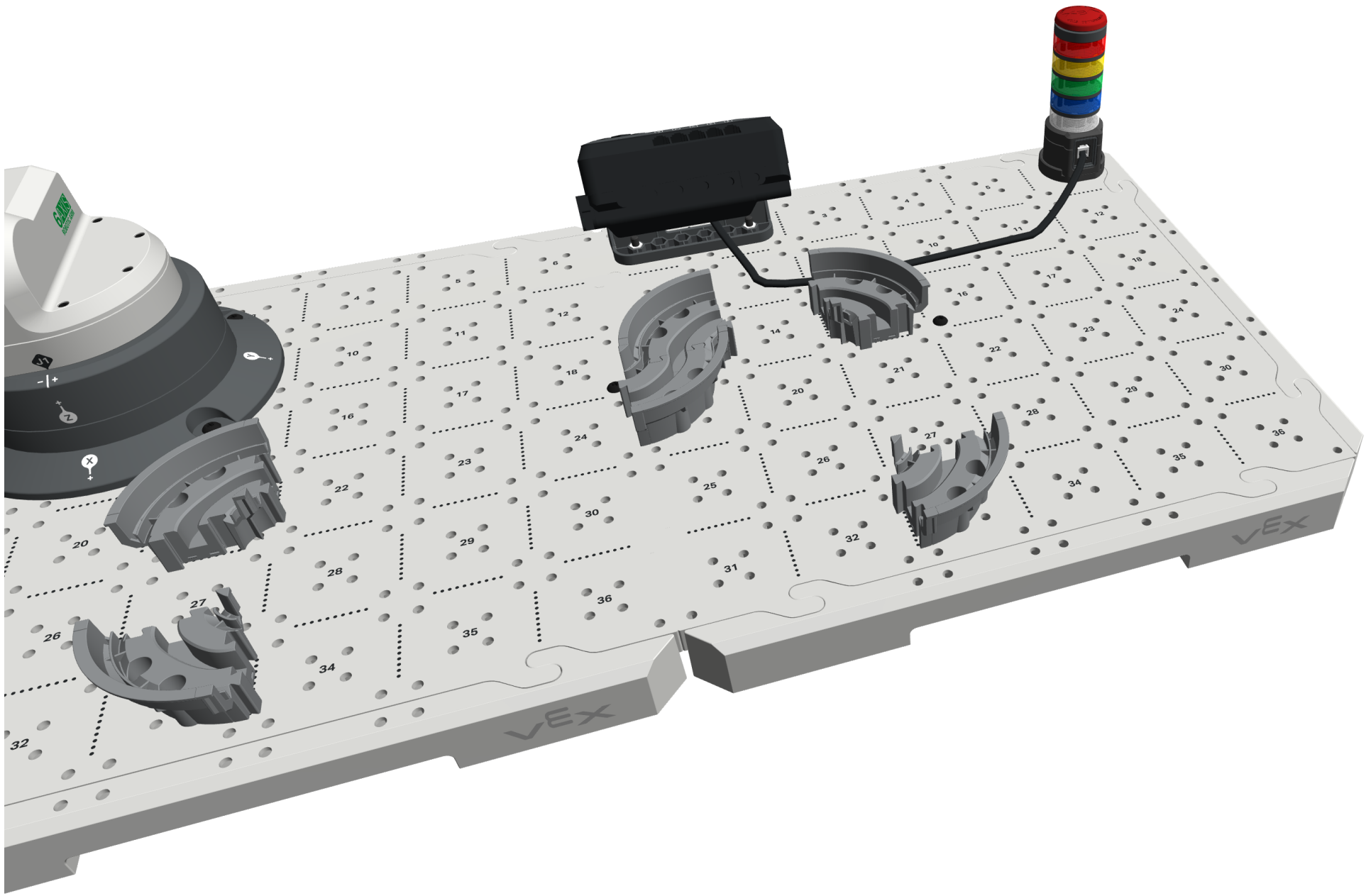

6AXIS
ROBOTIC ARM
VEX

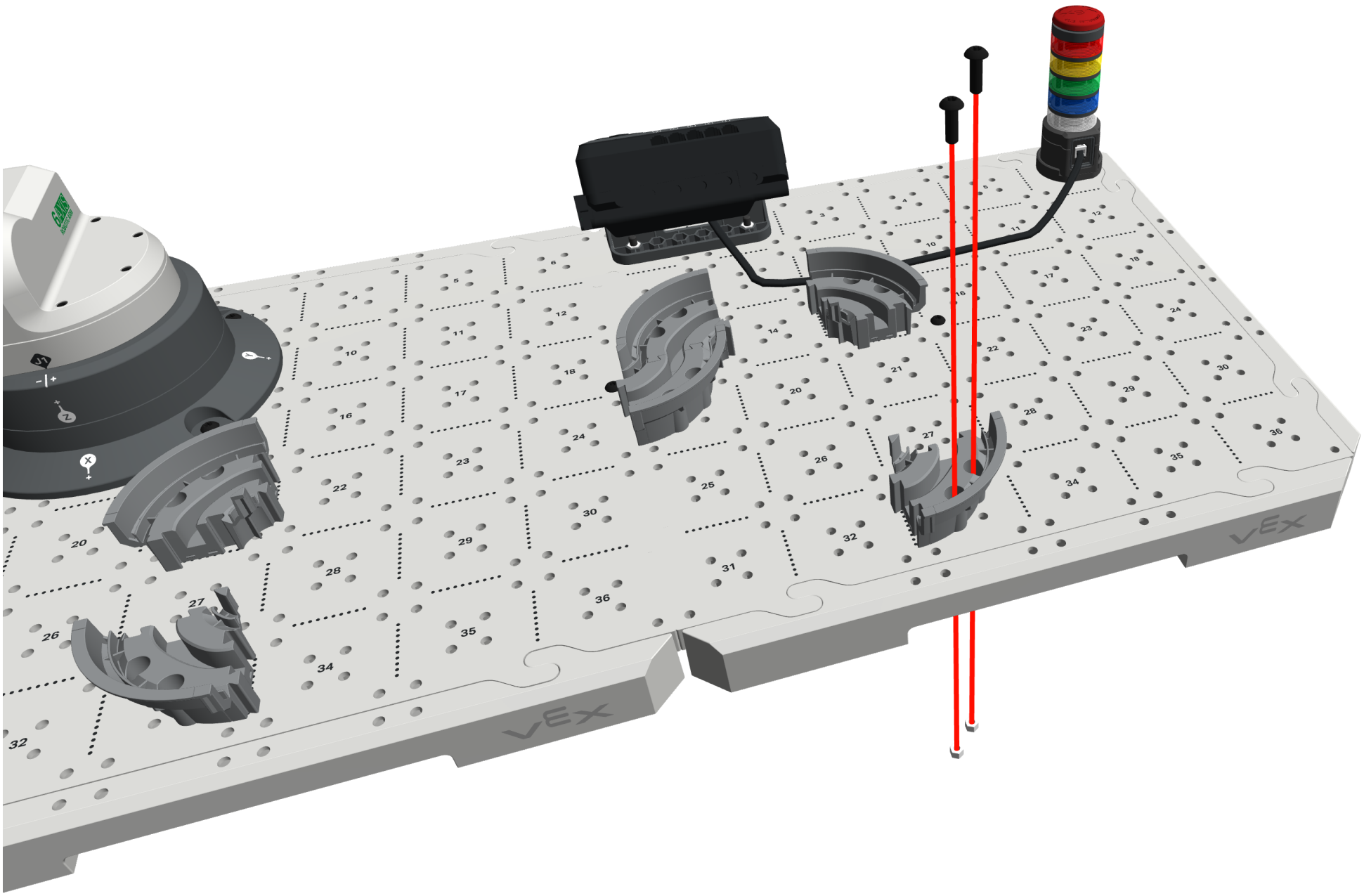

6AXIS
ROBOTIC ARM
VEX

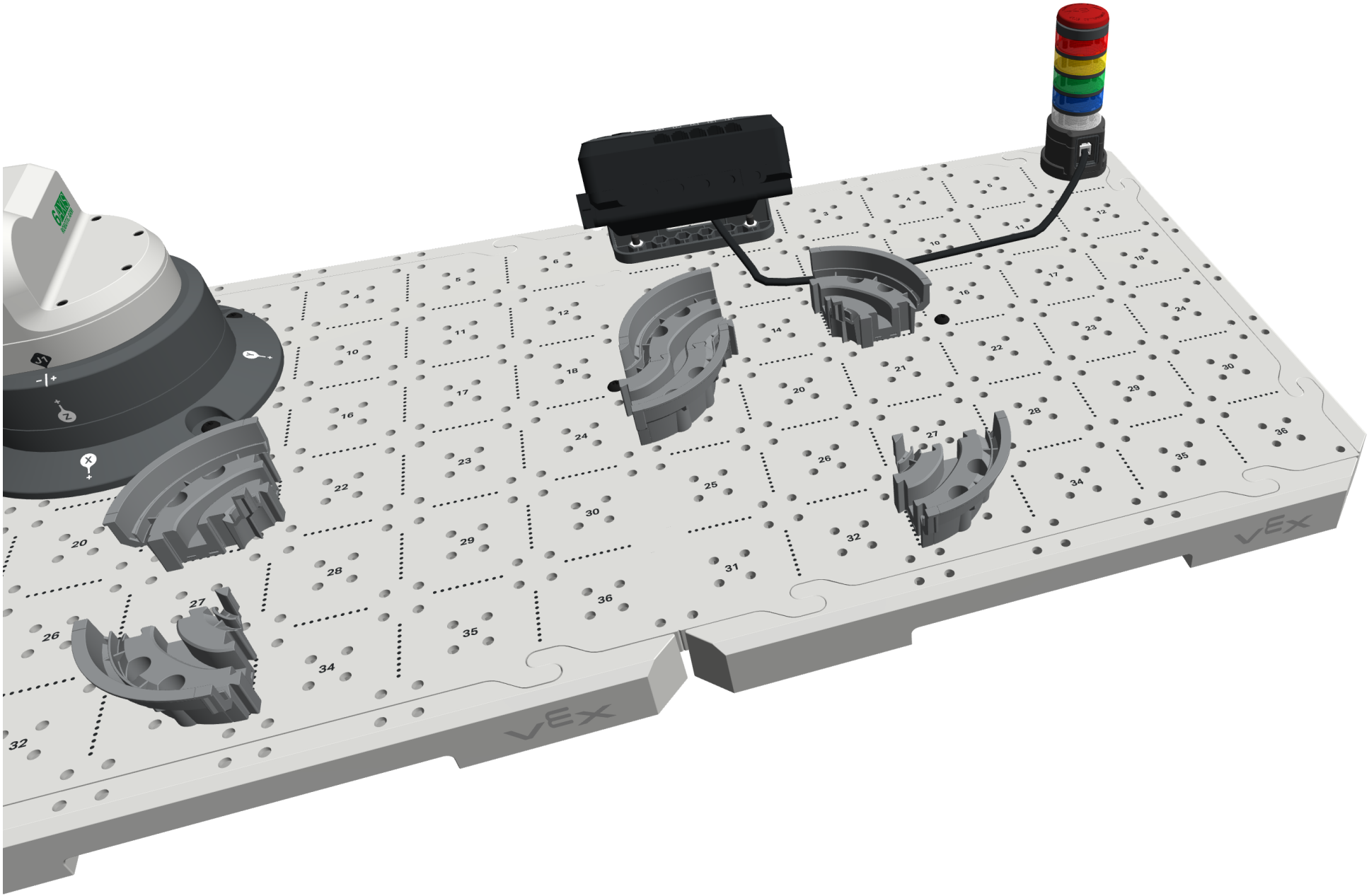

6AXIS
ROBOTIC ARM
VEX

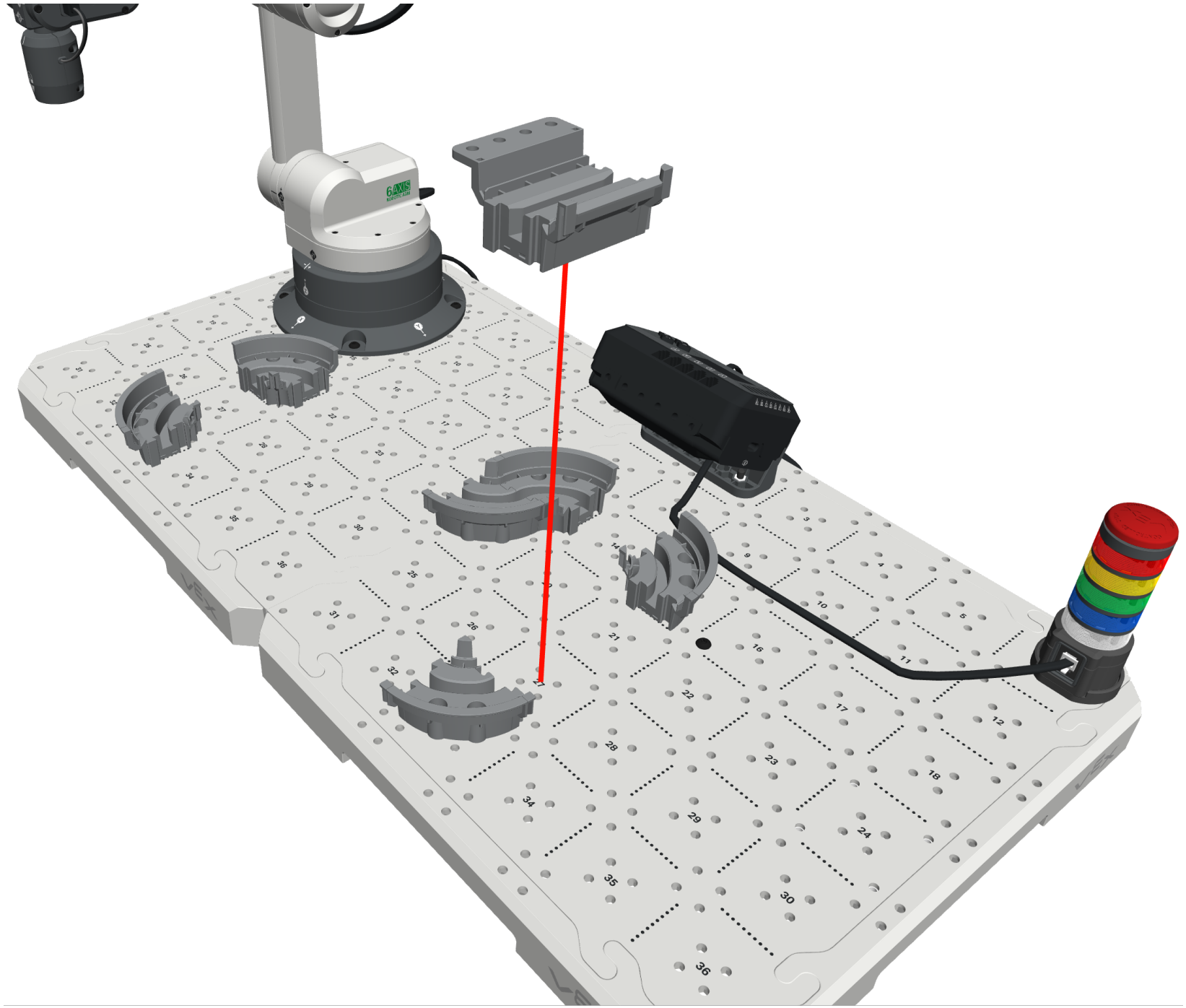

6AXIS
ROBOTIC ARM
VEX

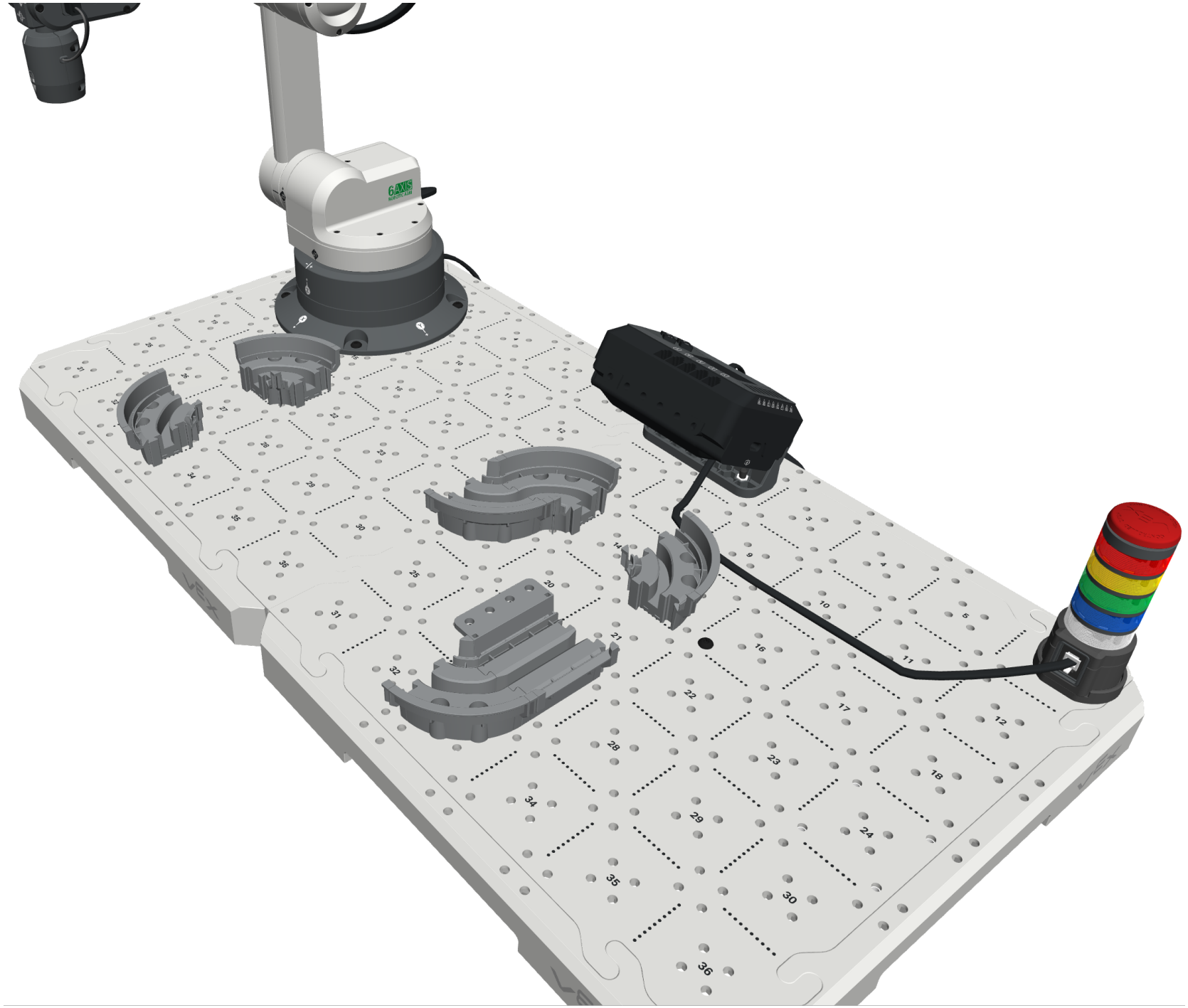

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VEX

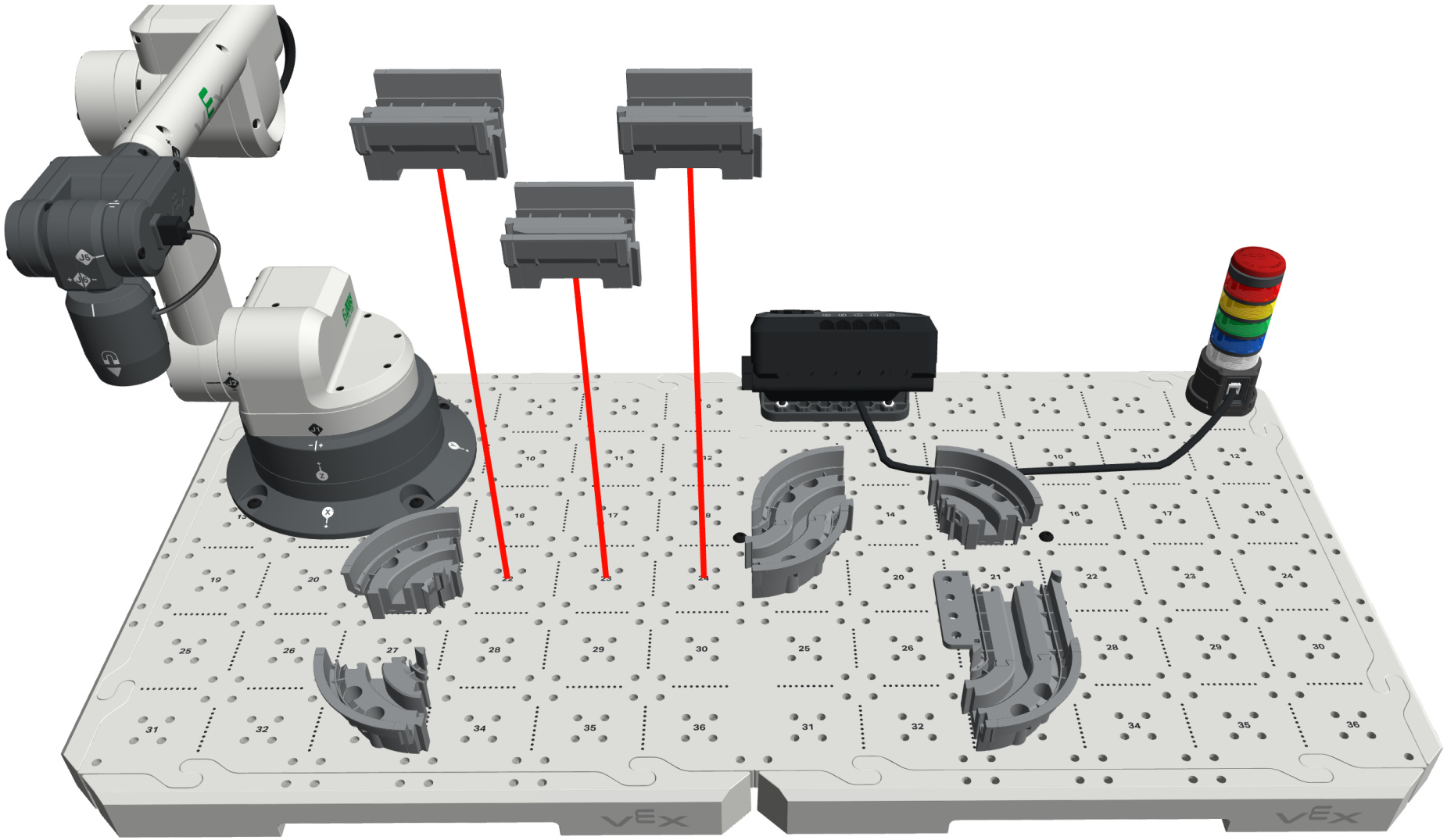

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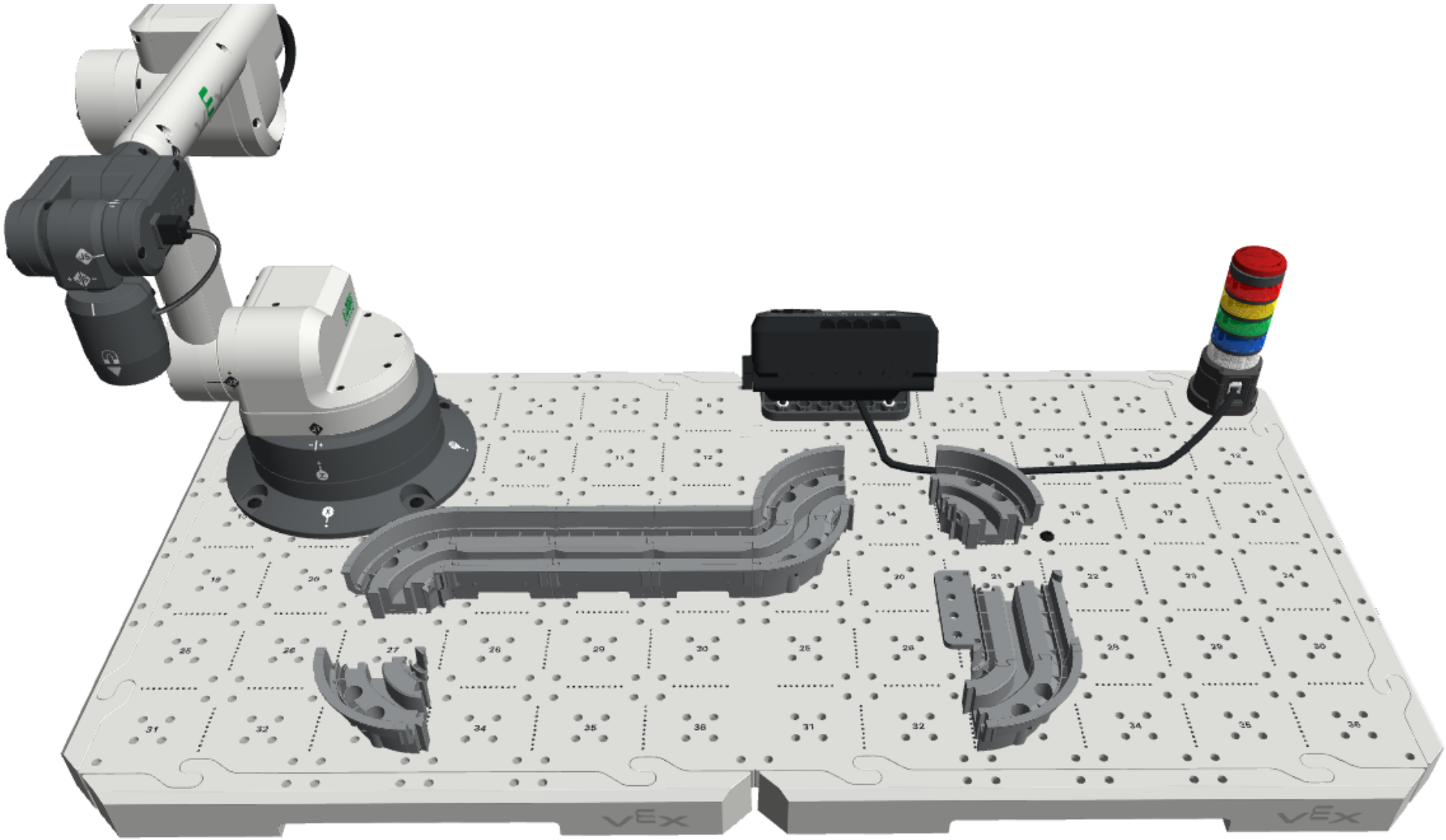

VEX
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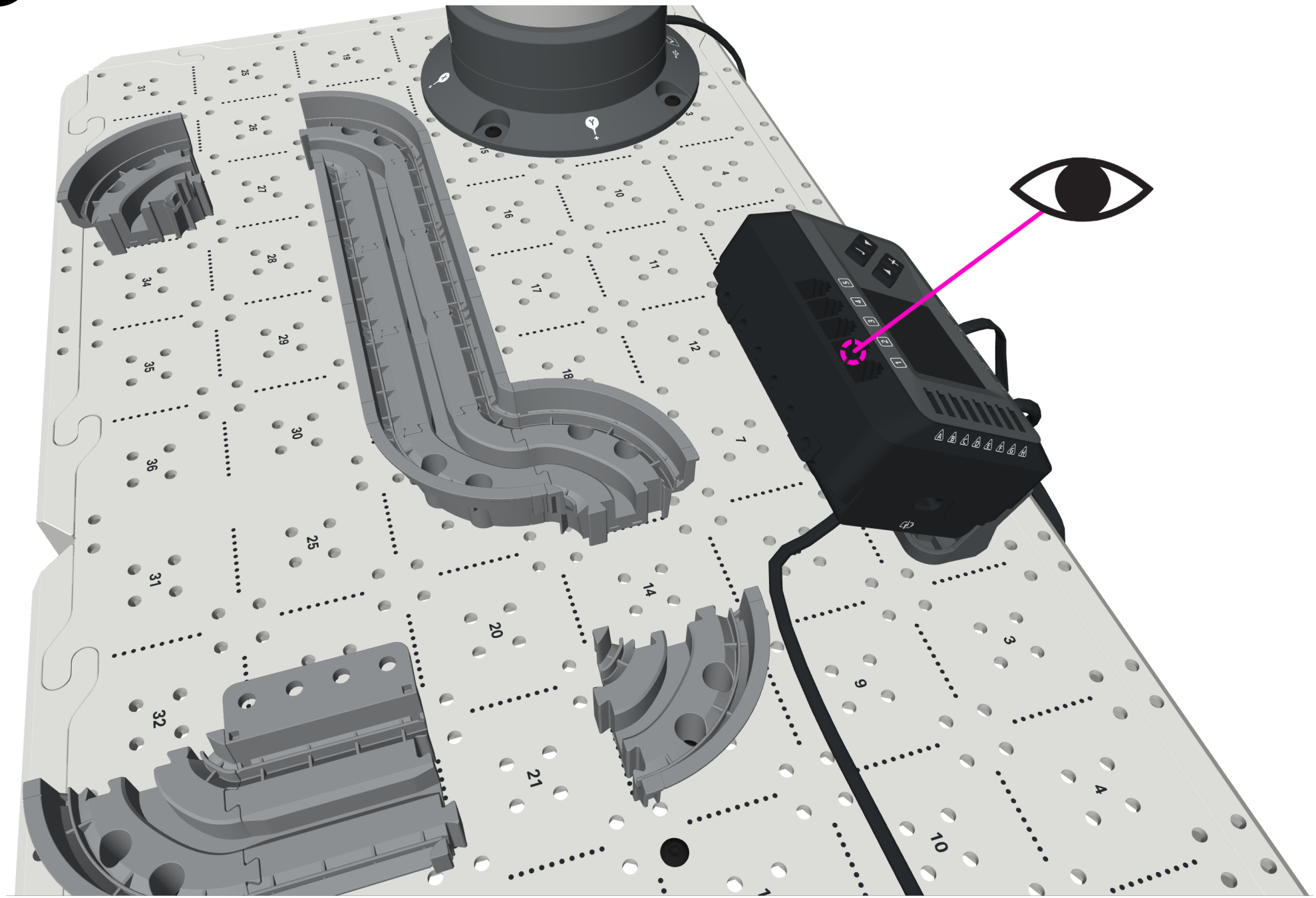

VEX
VEX

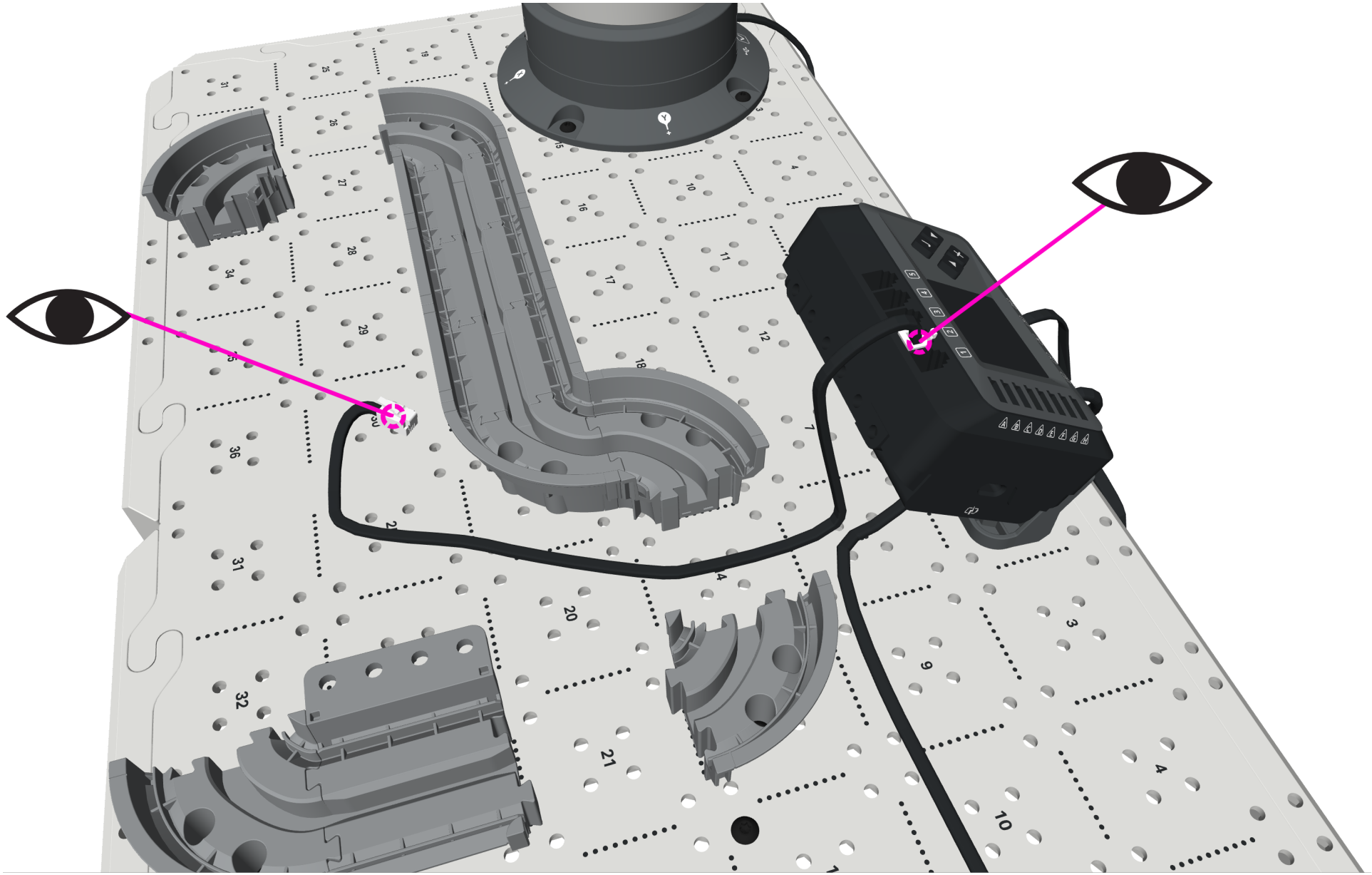

6 AXIS

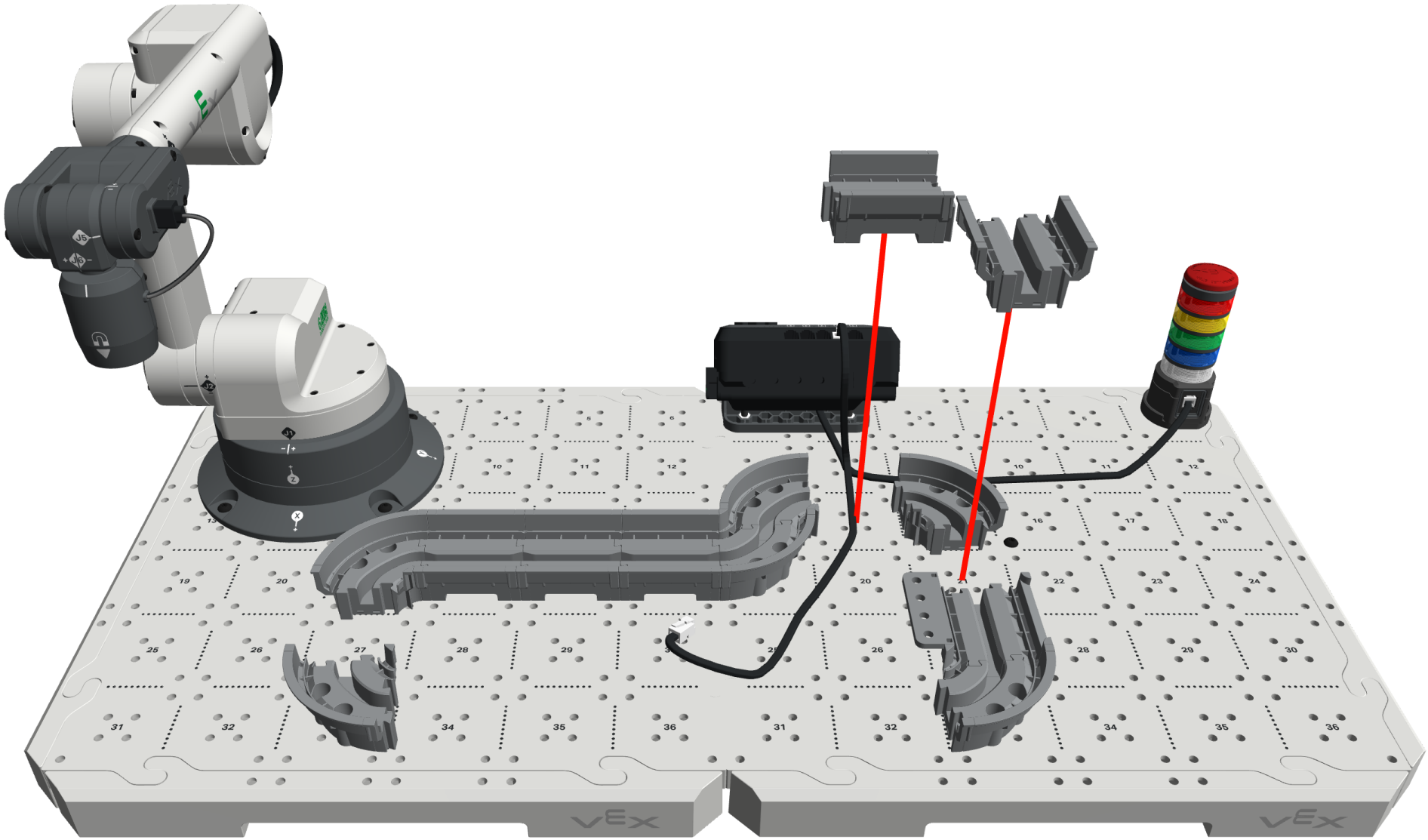

6AXIS

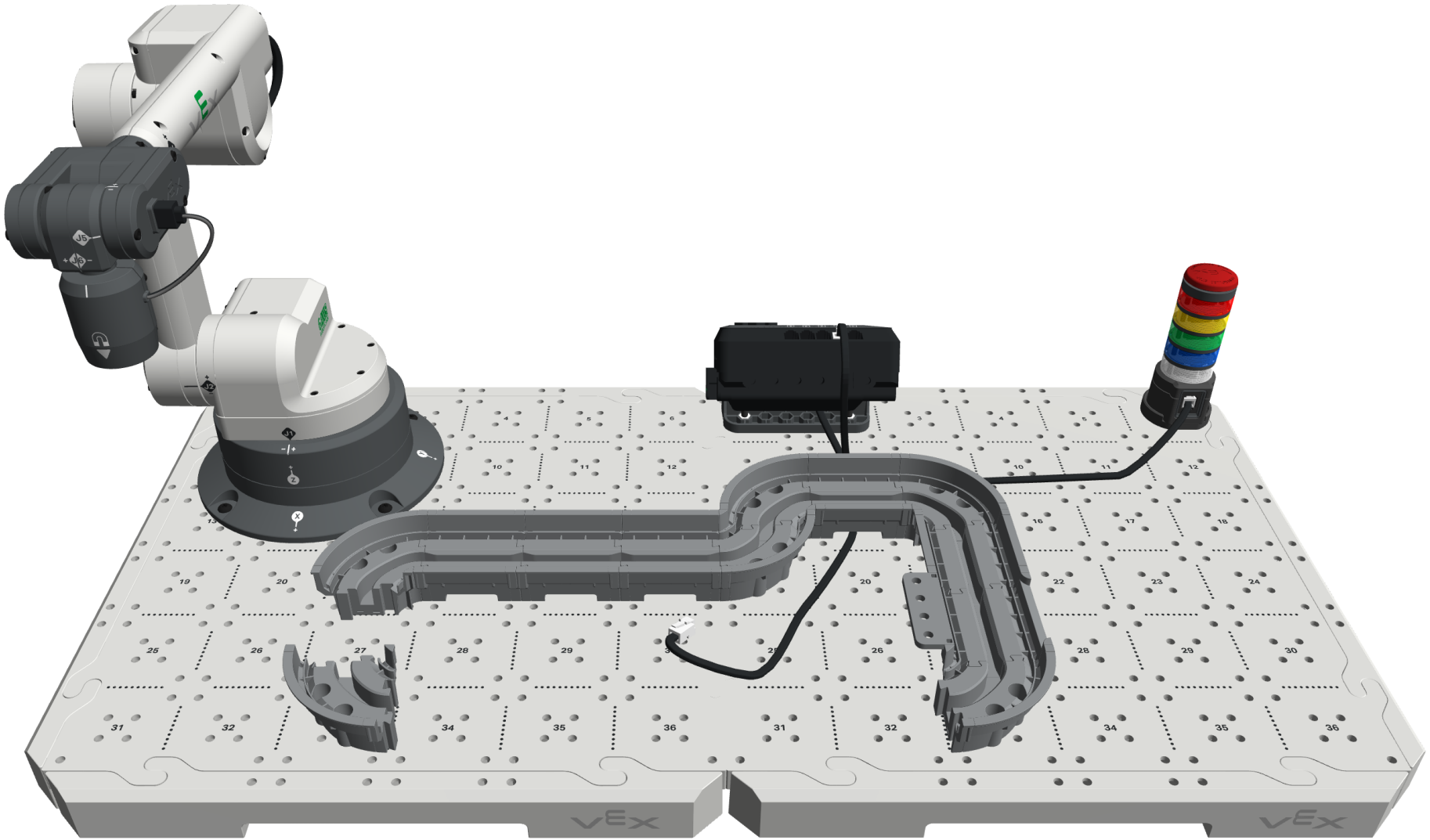

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VEX

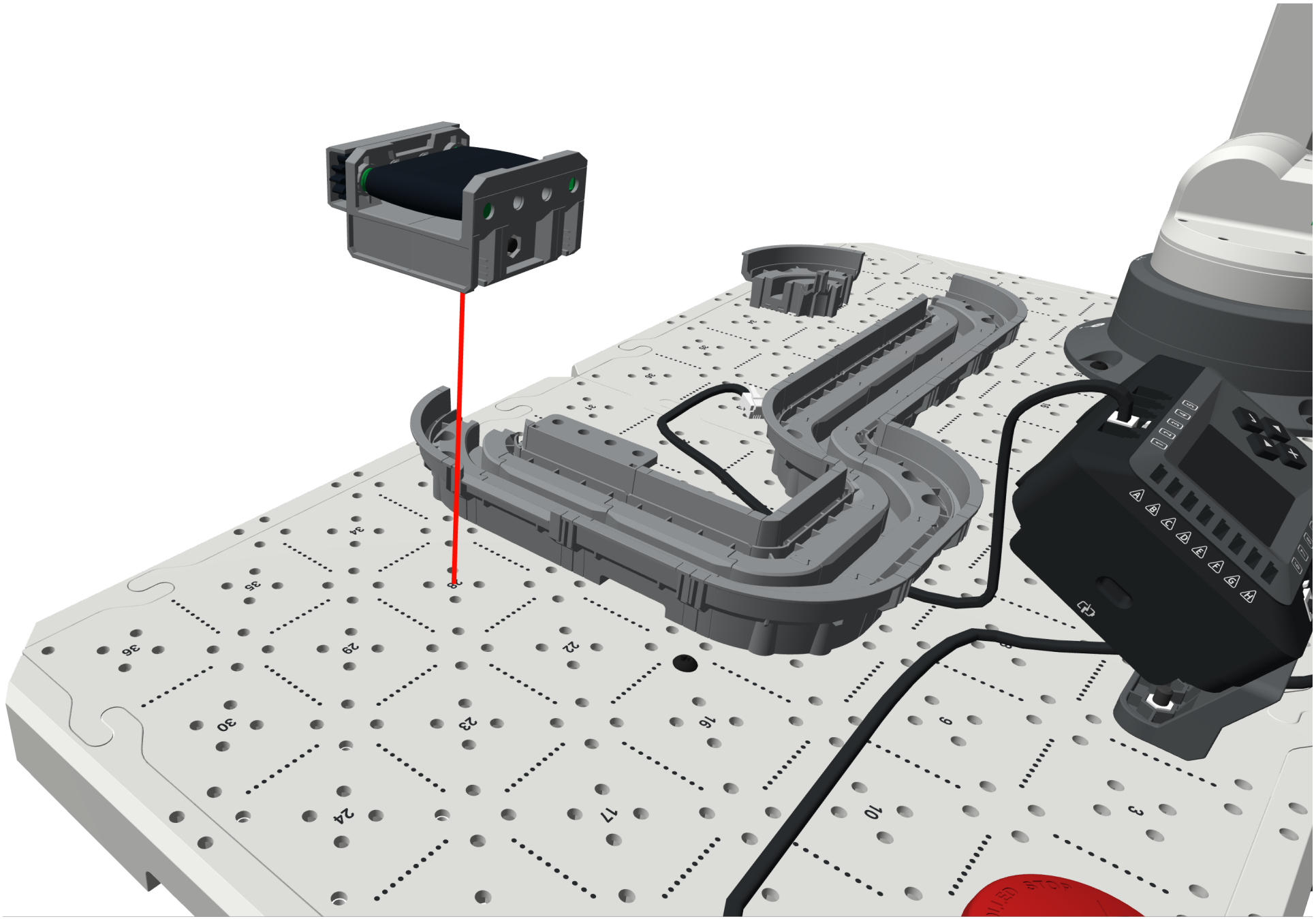

VEX
VEX

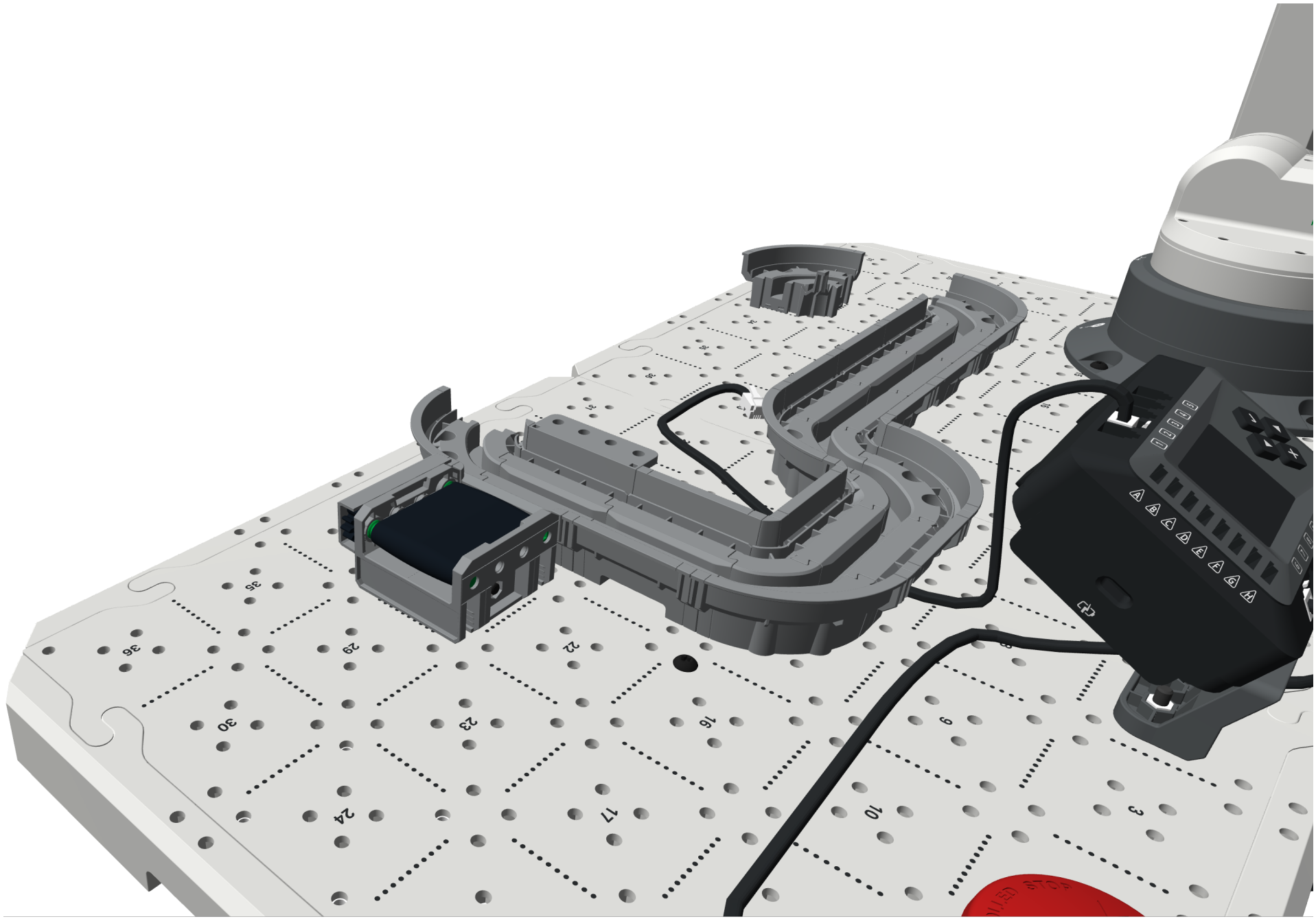


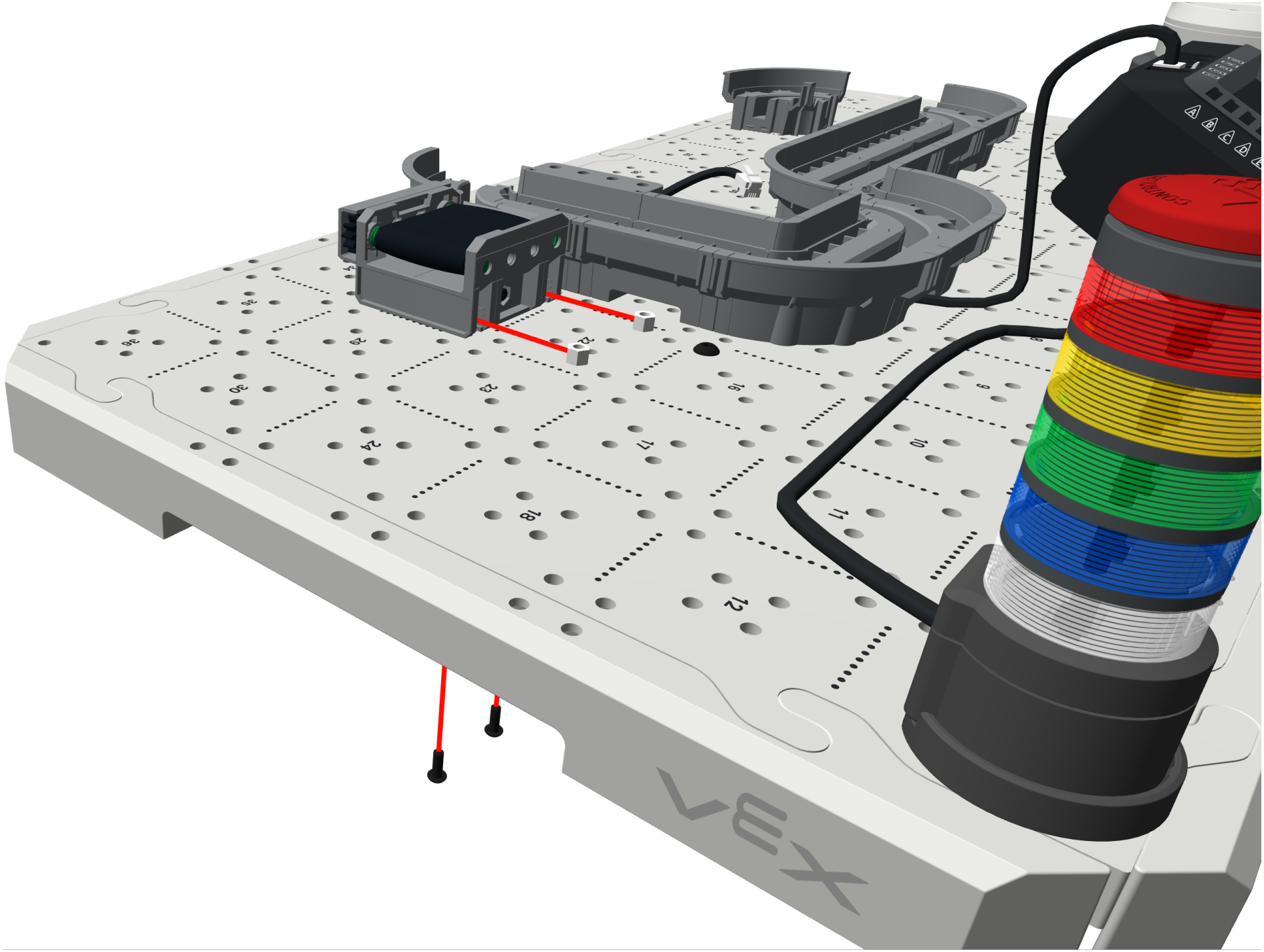


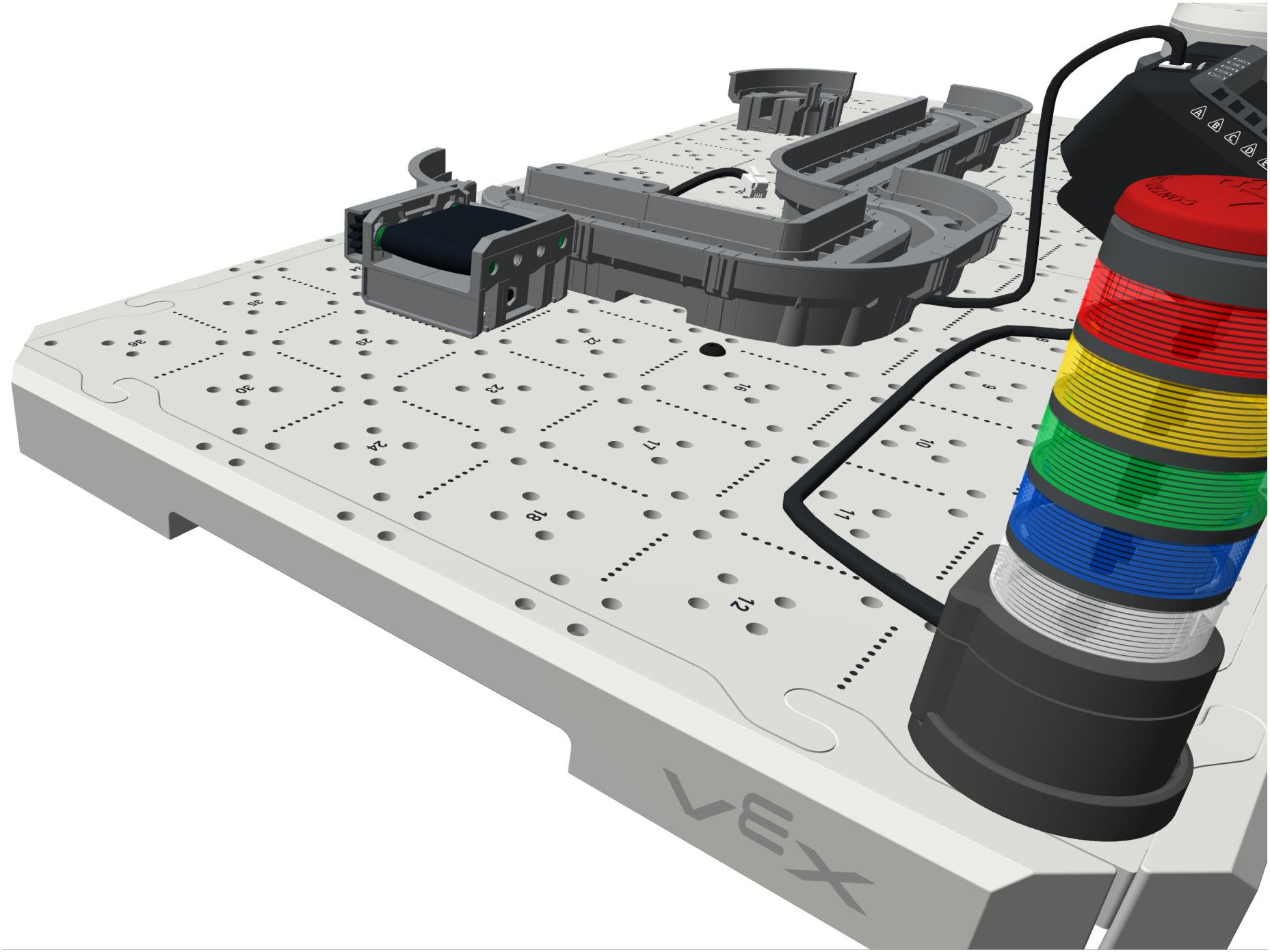

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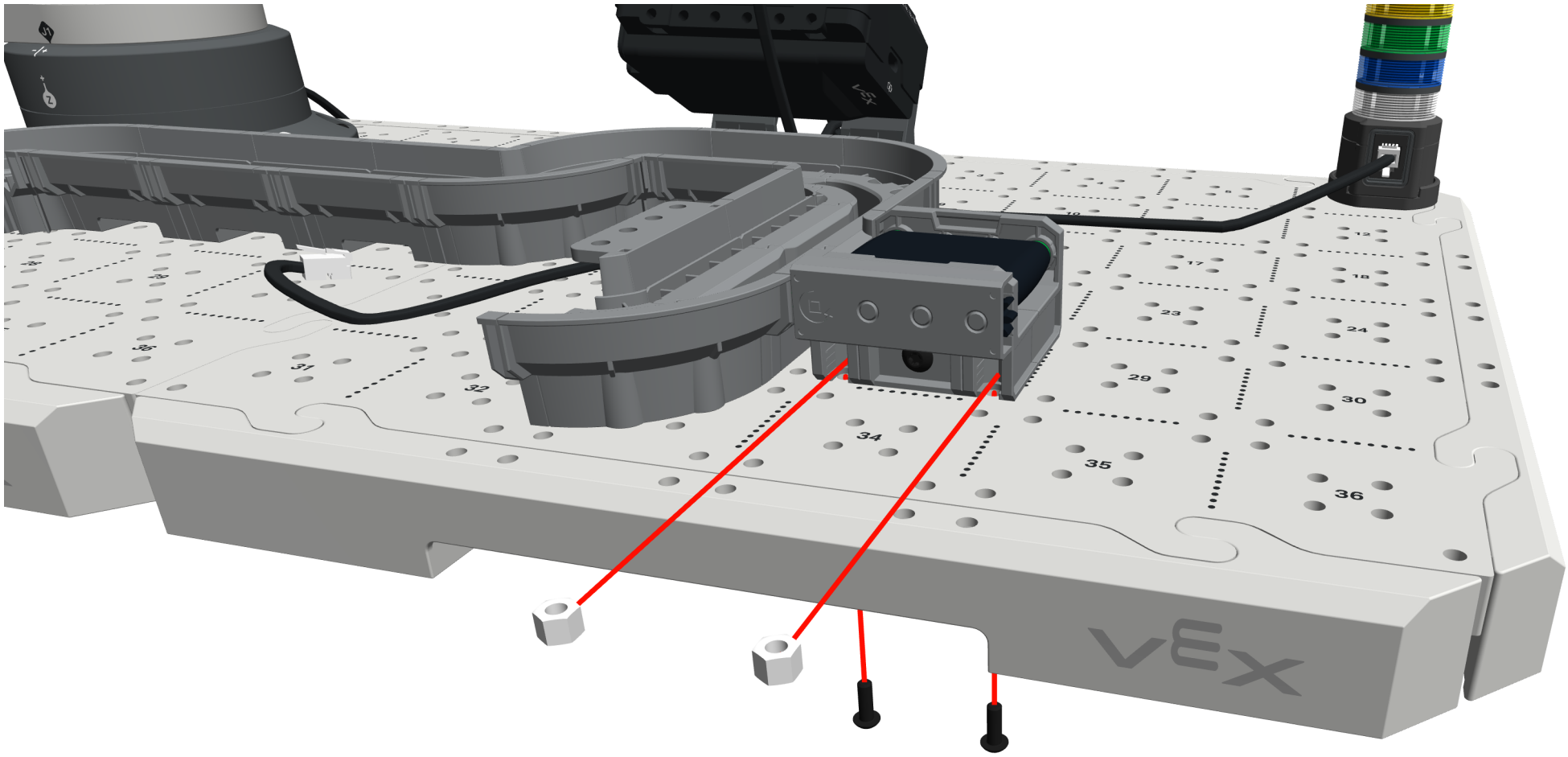


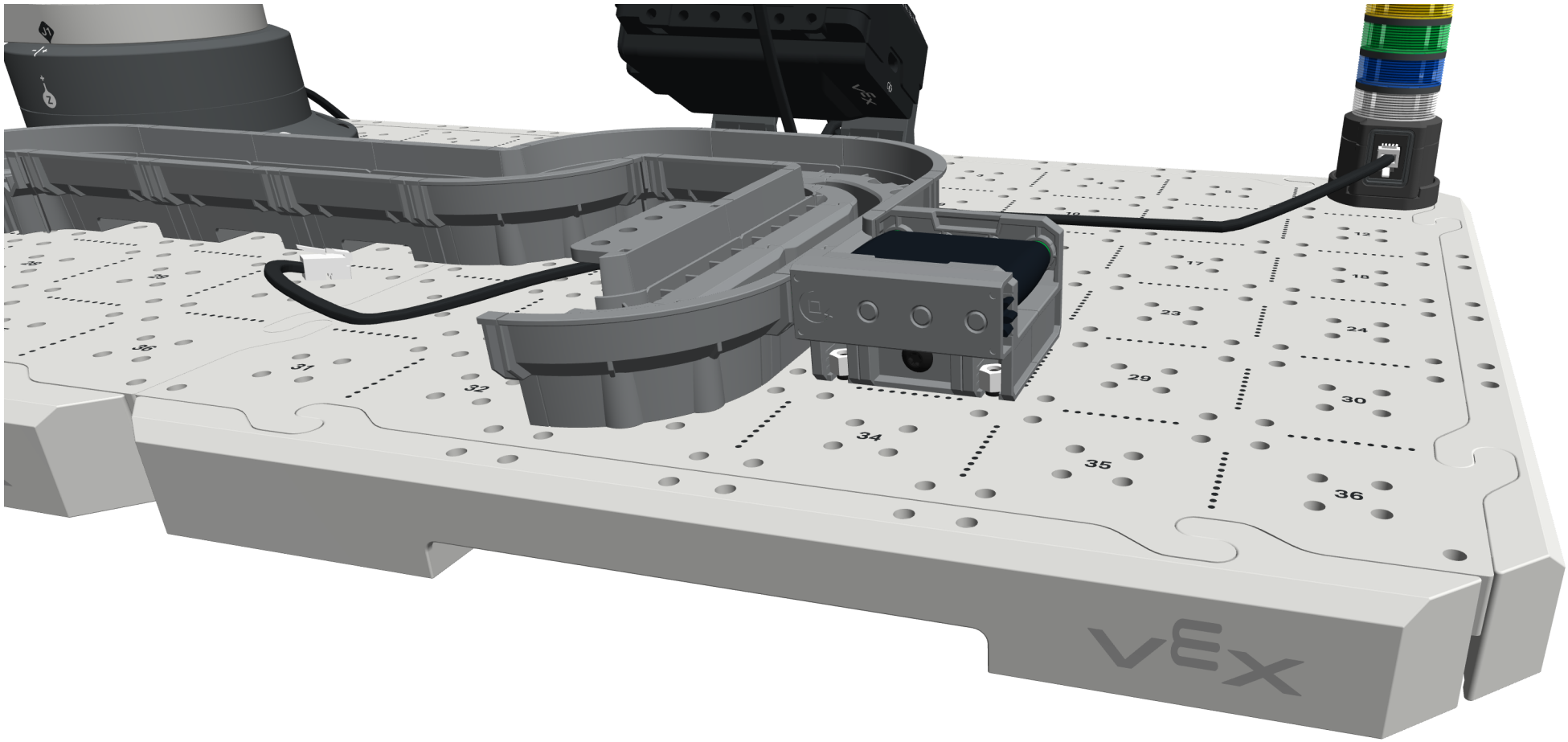

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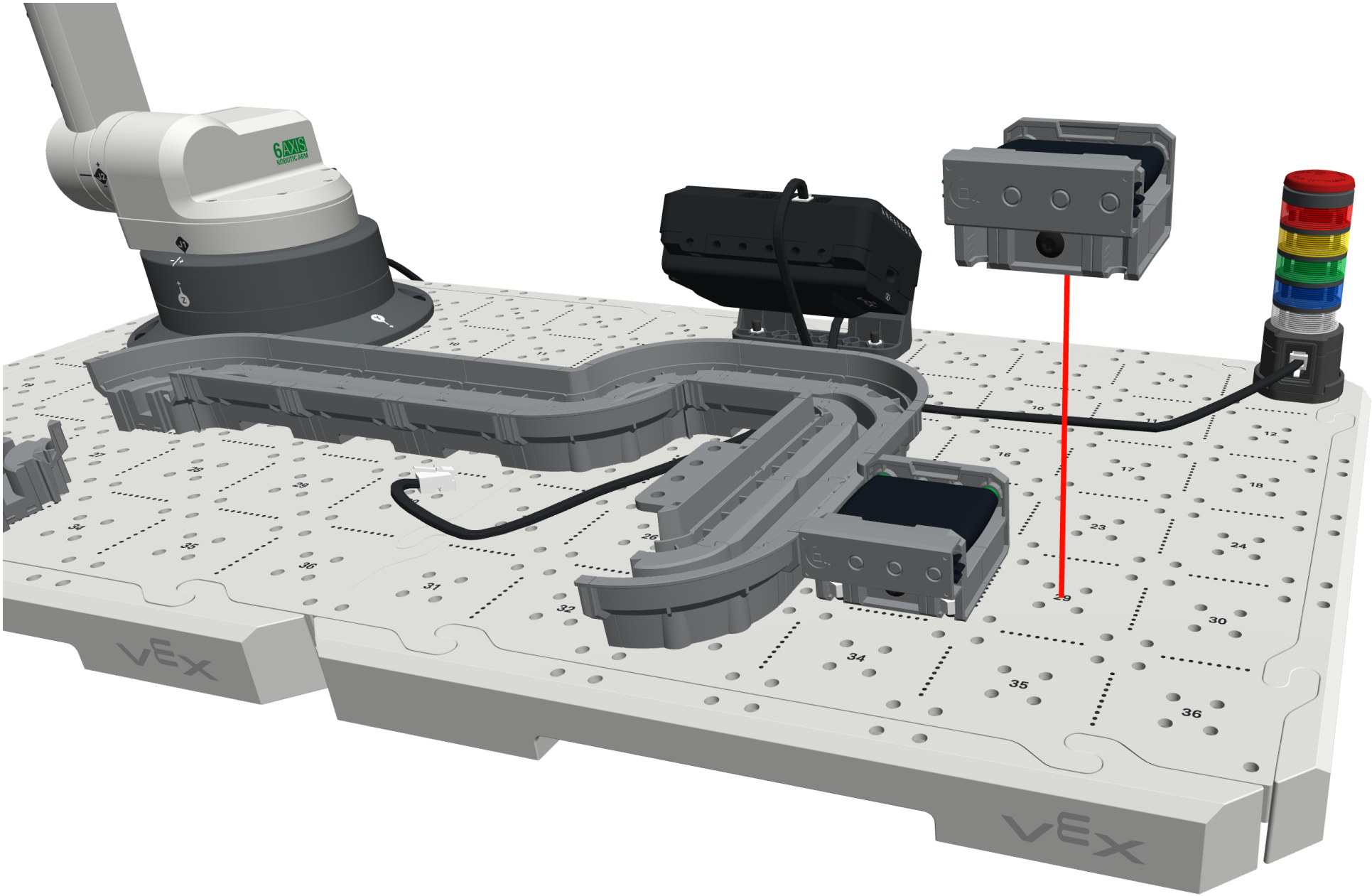

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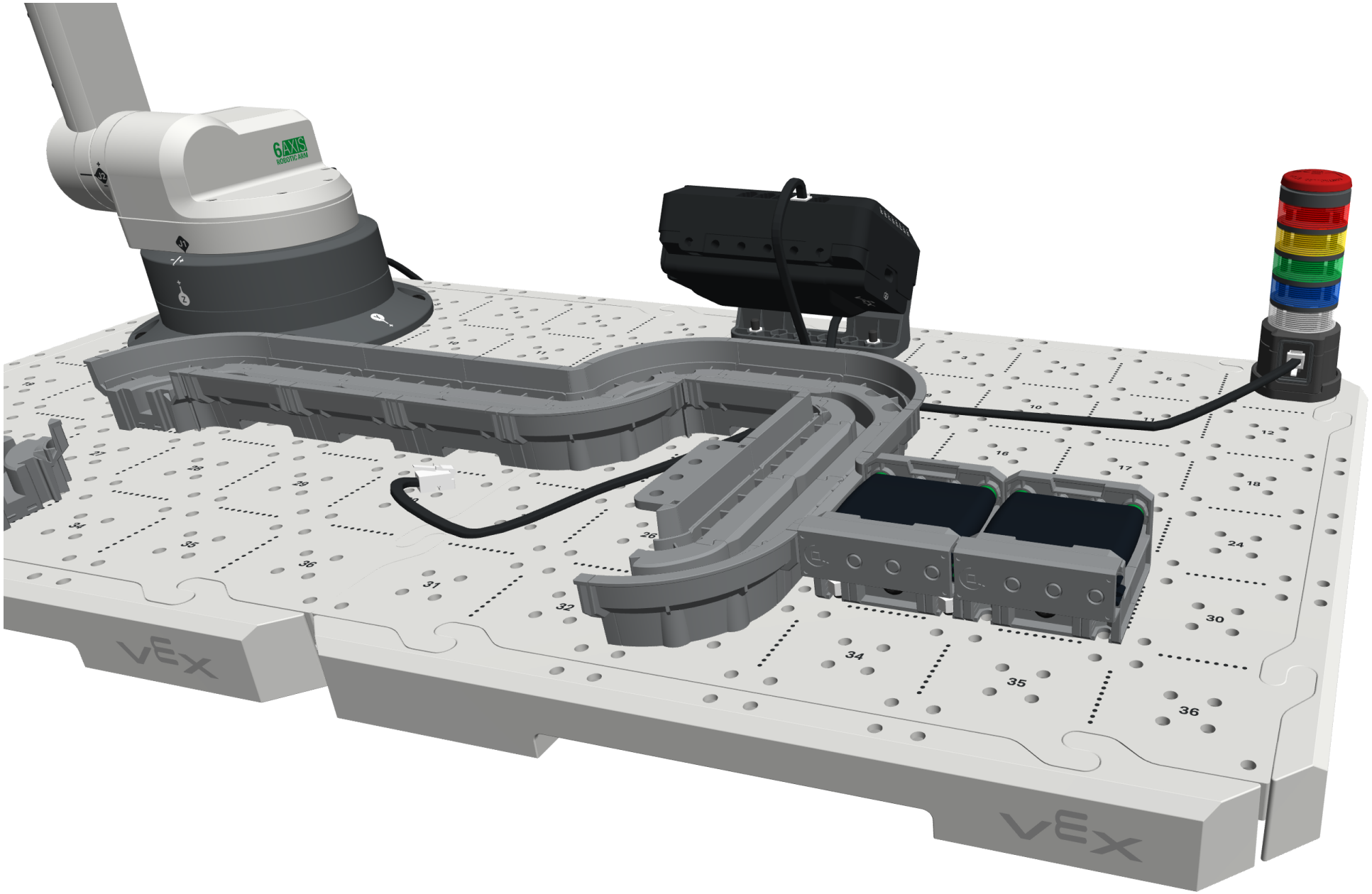

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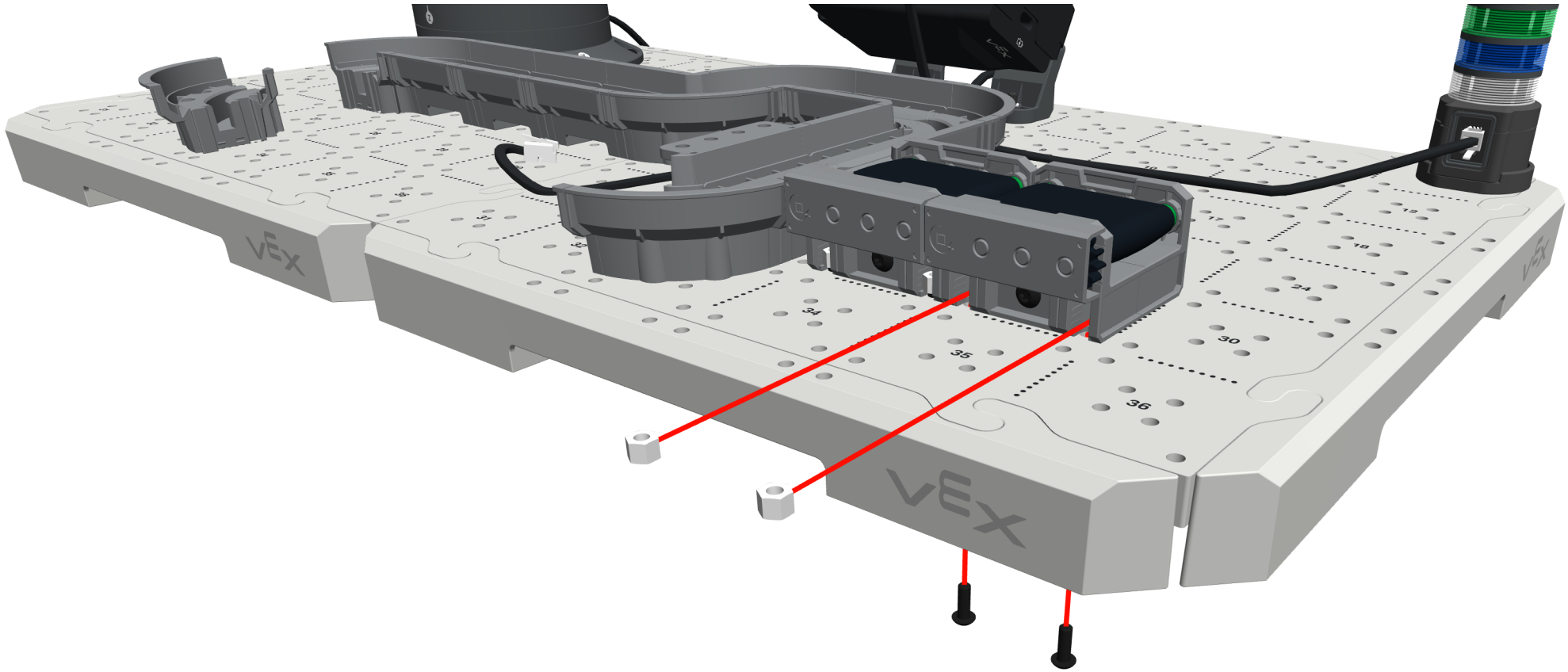

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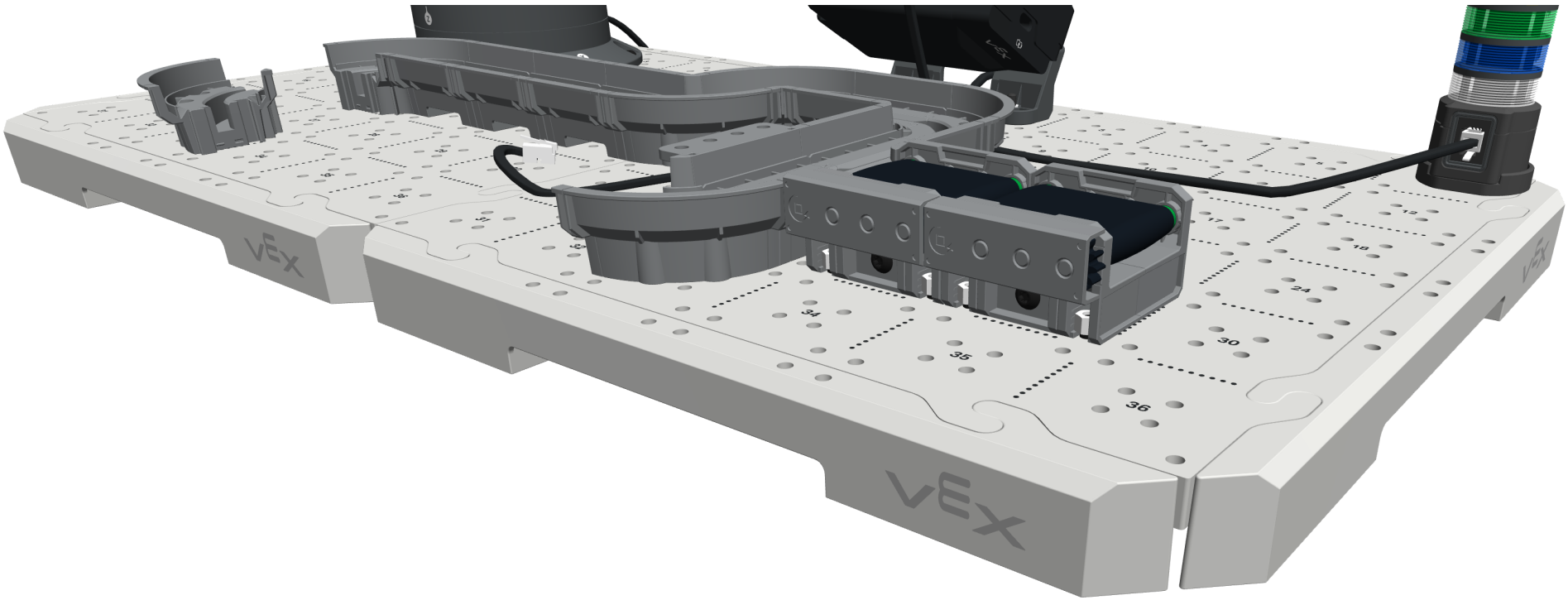

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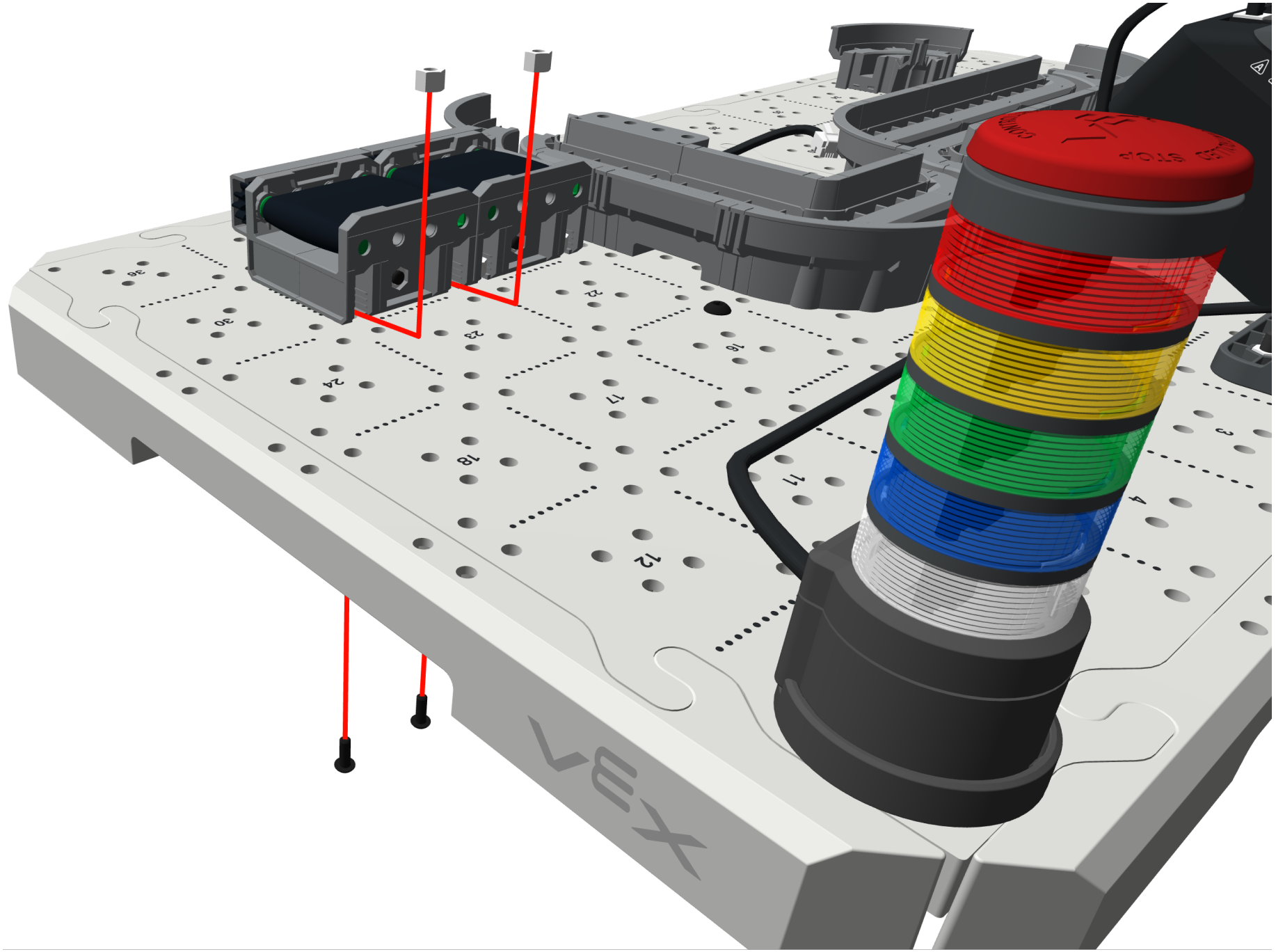

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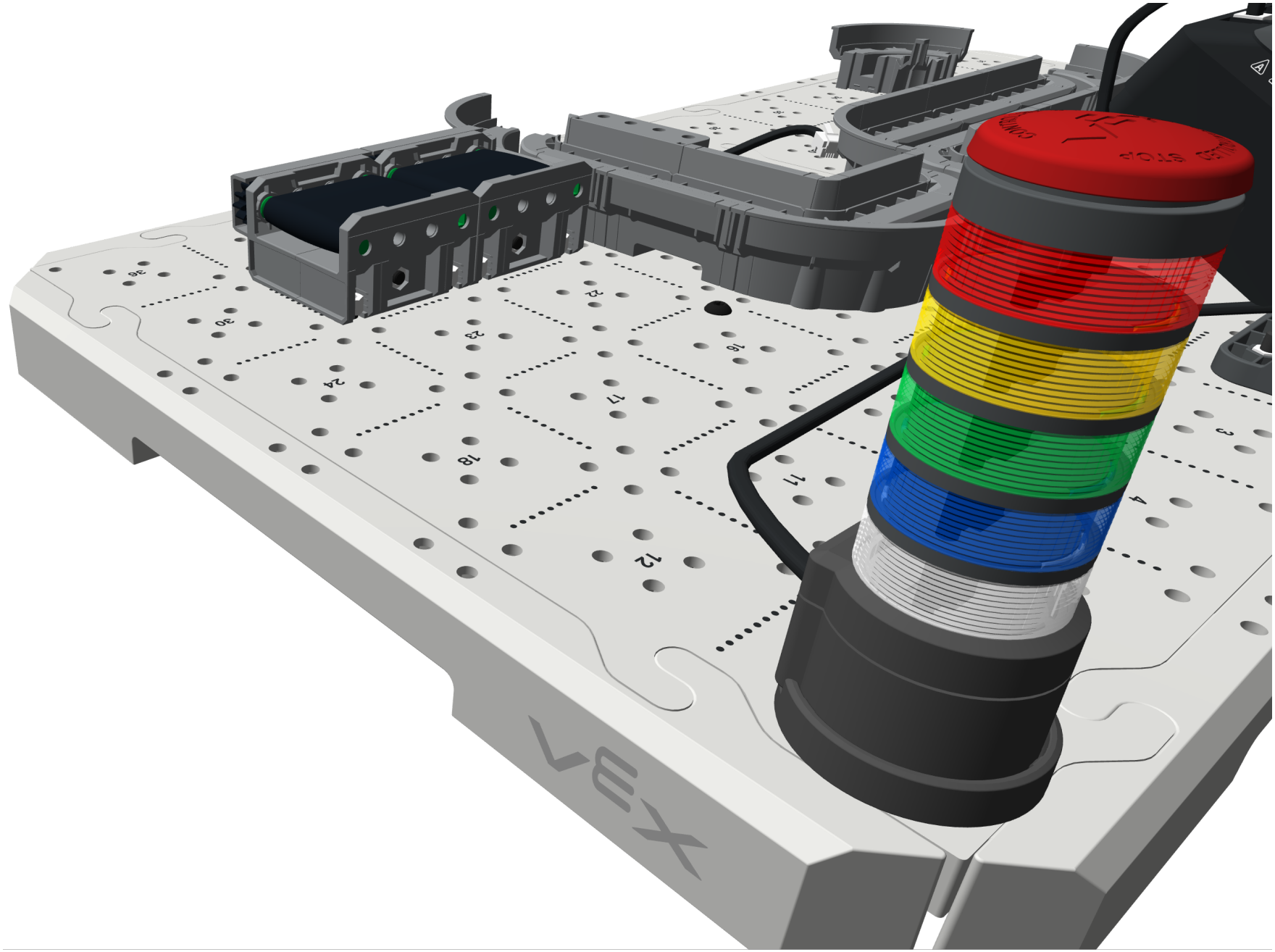

6AXIS
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VEX
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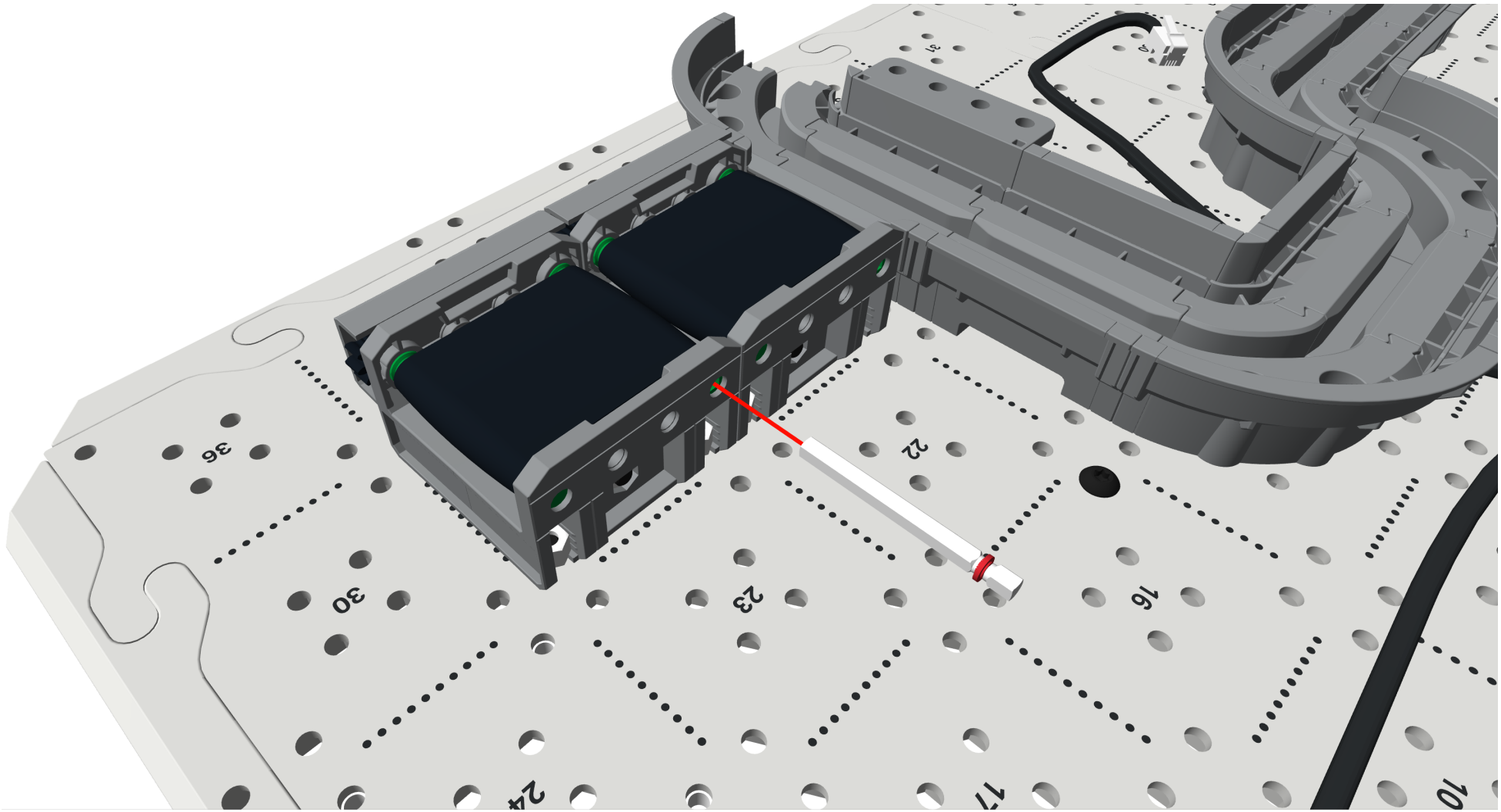

6AXIS
ROBOTIC ARM
VEX
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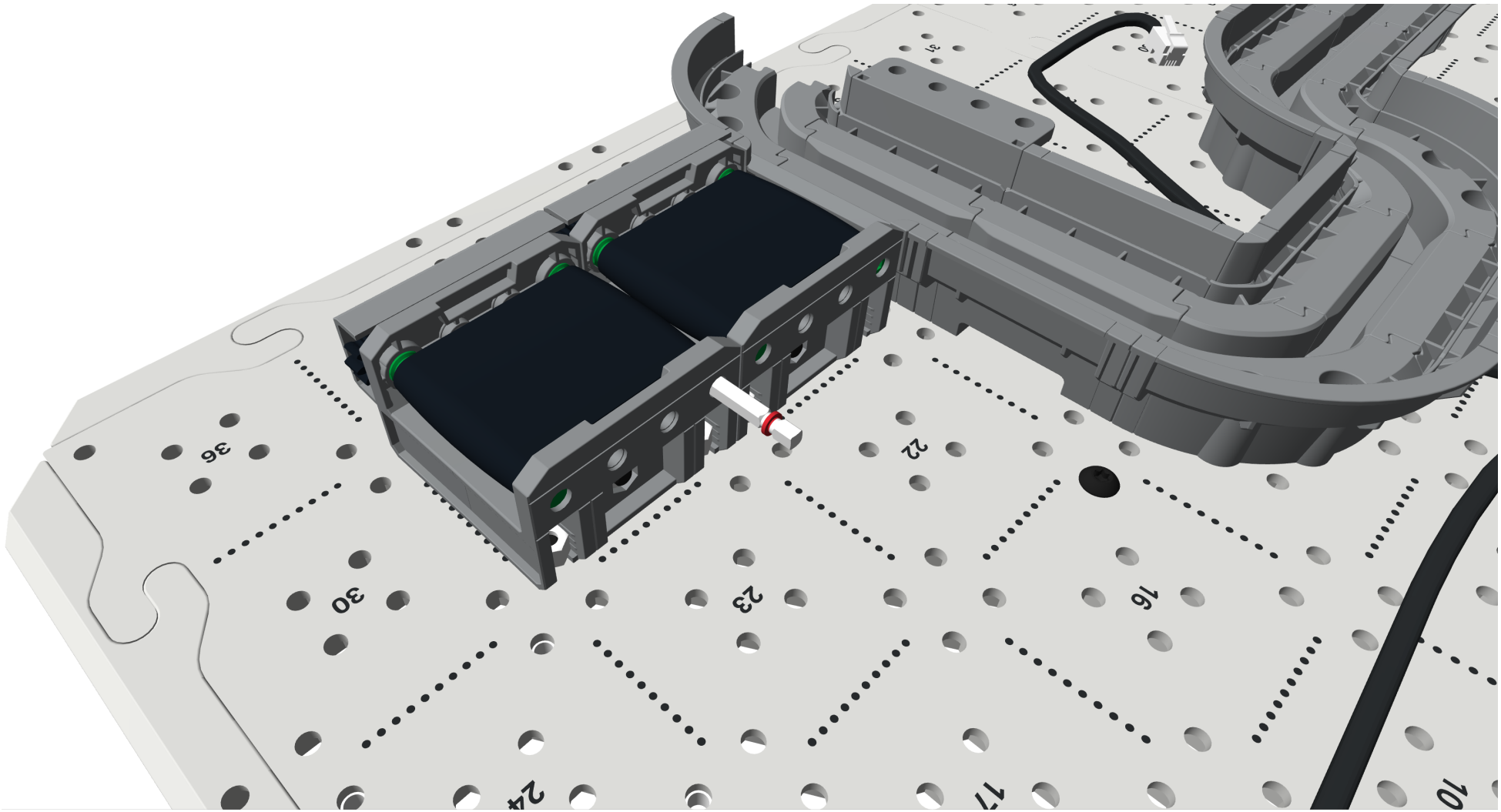

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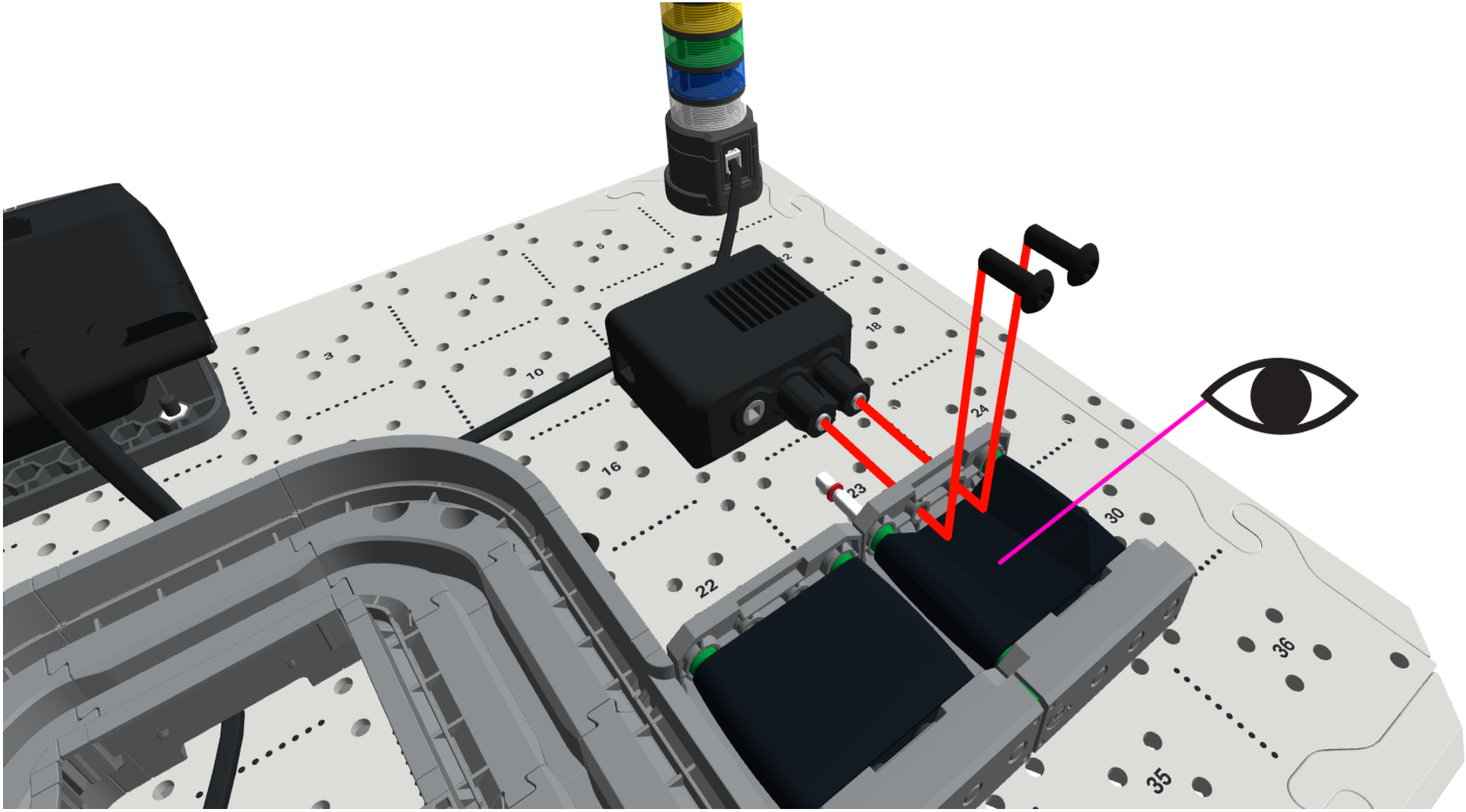

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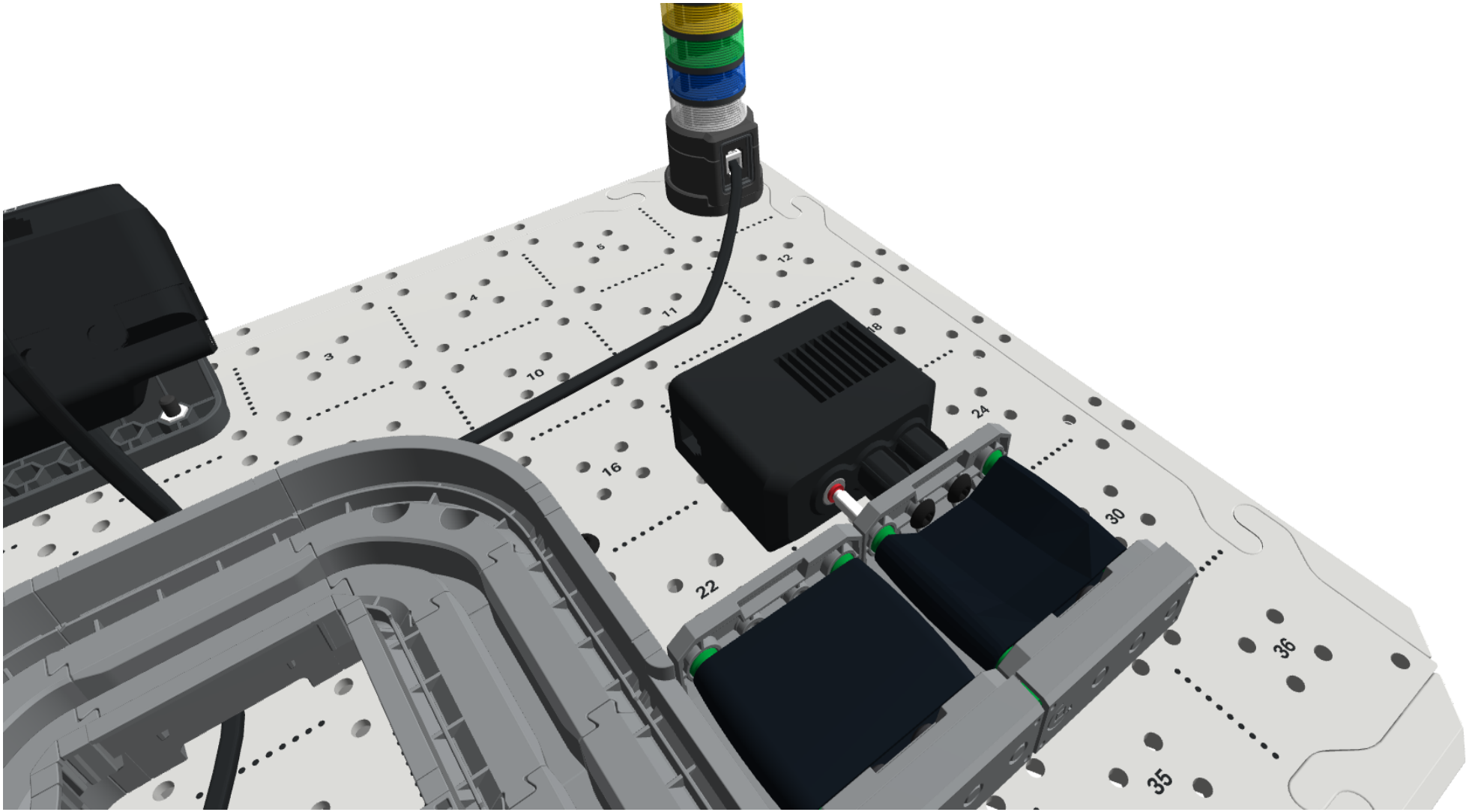

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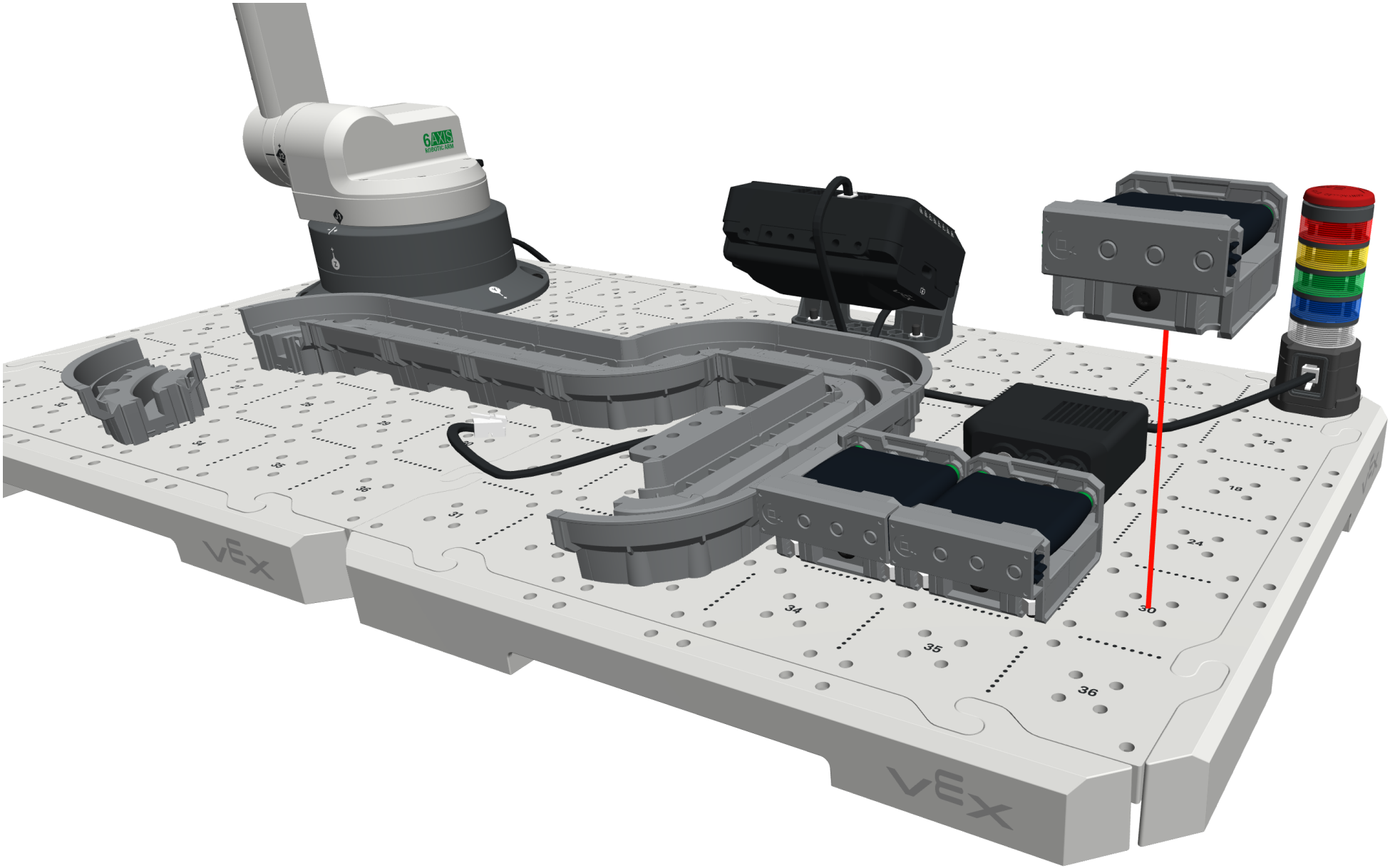

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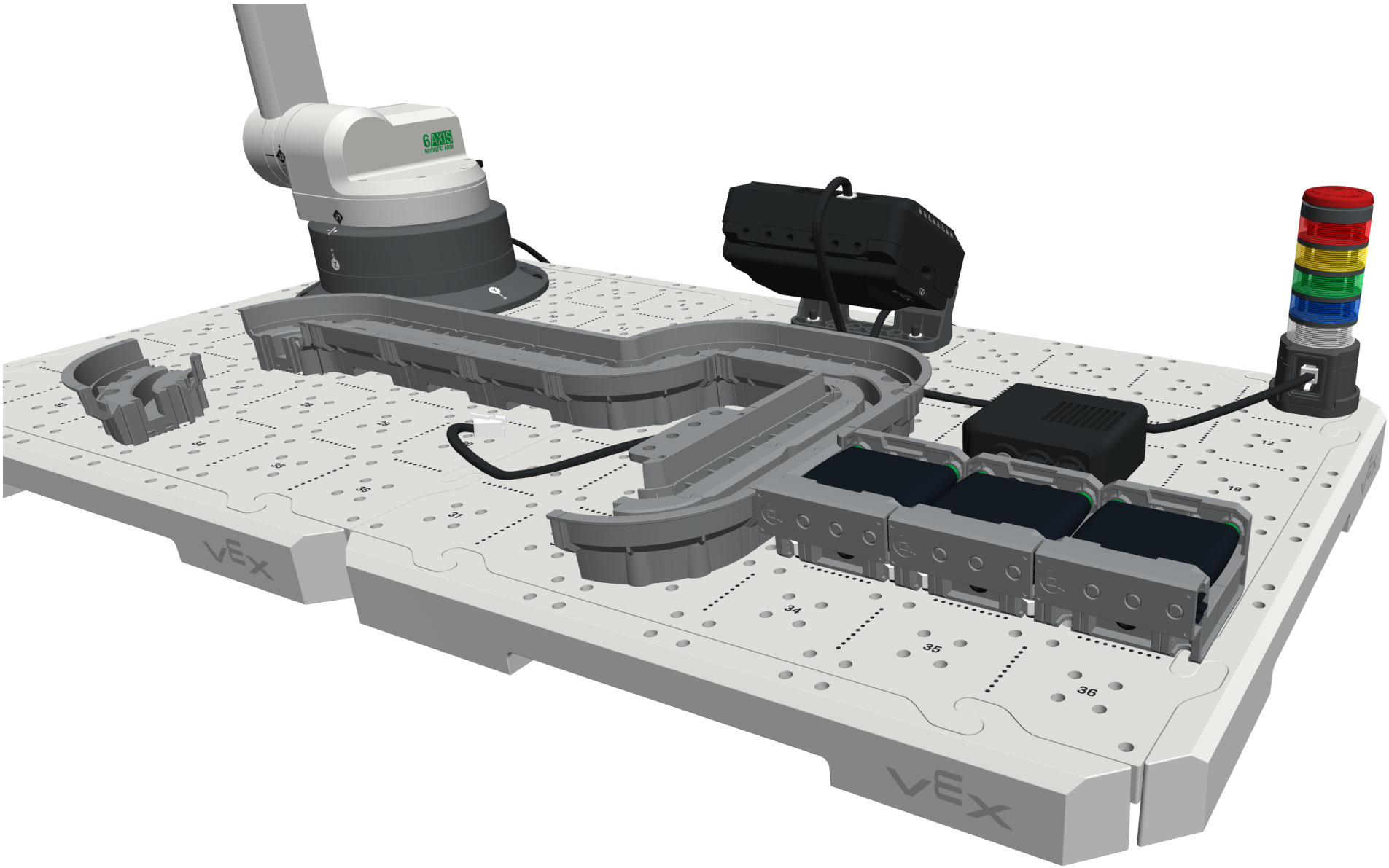

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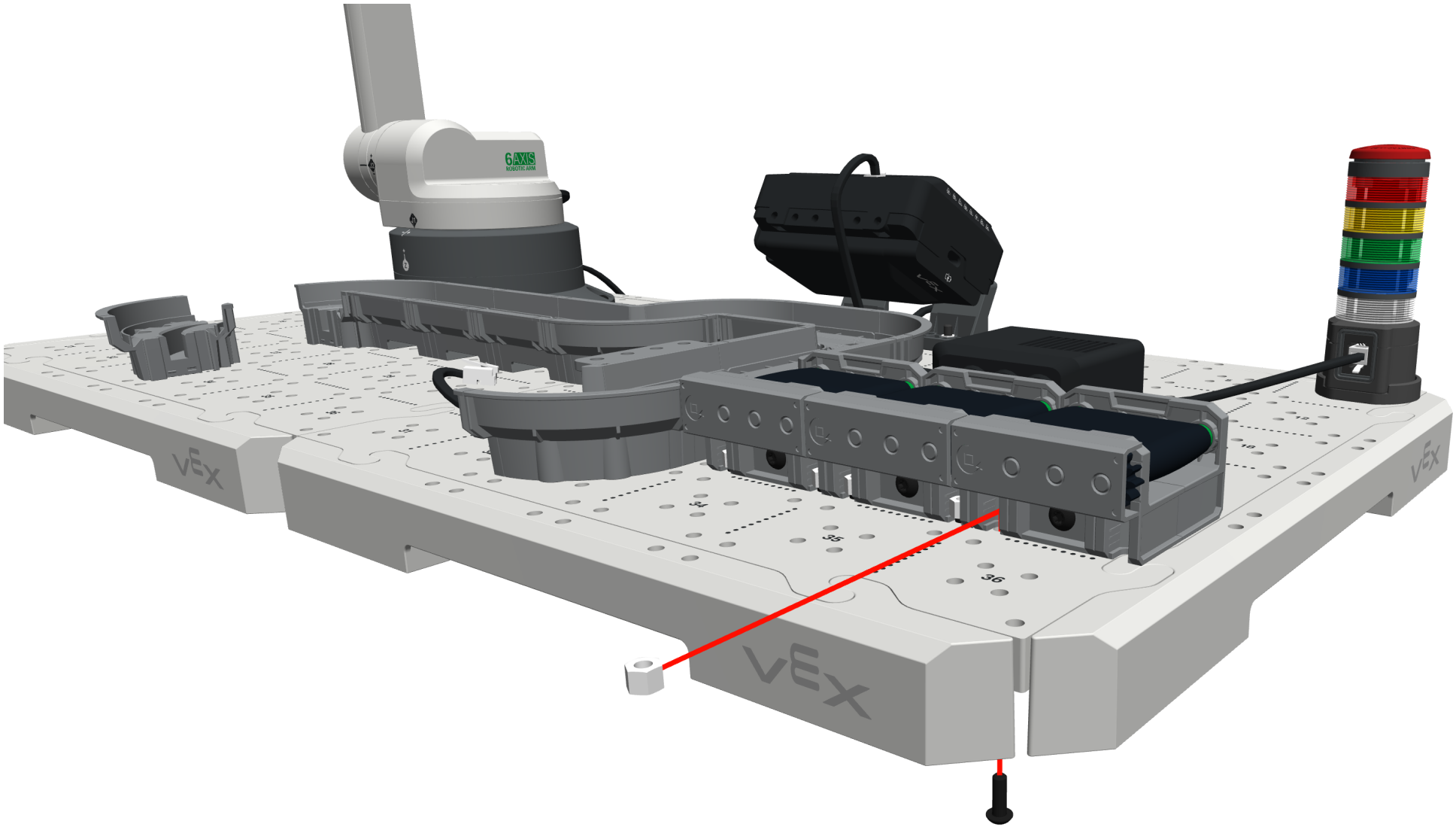

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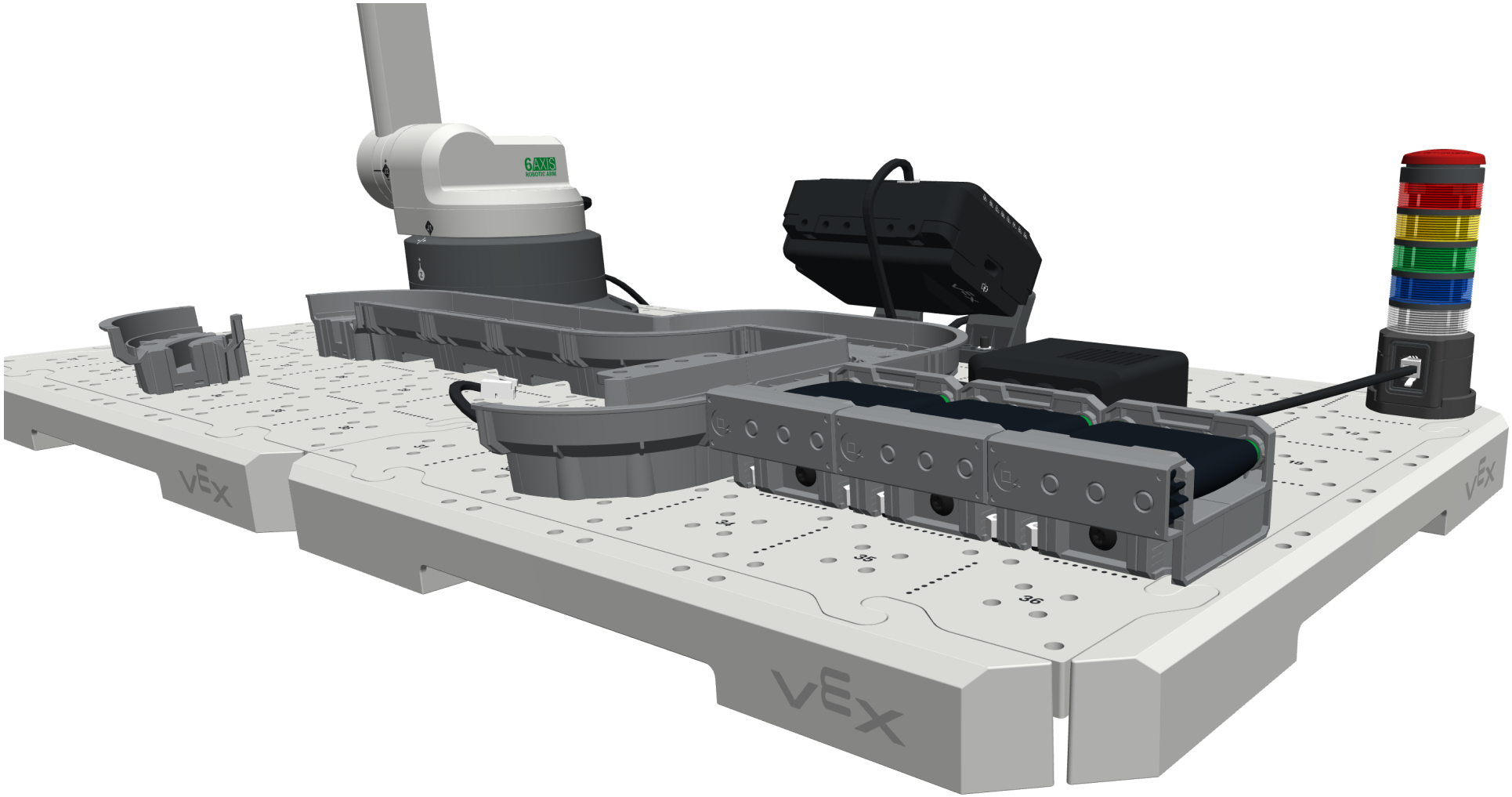

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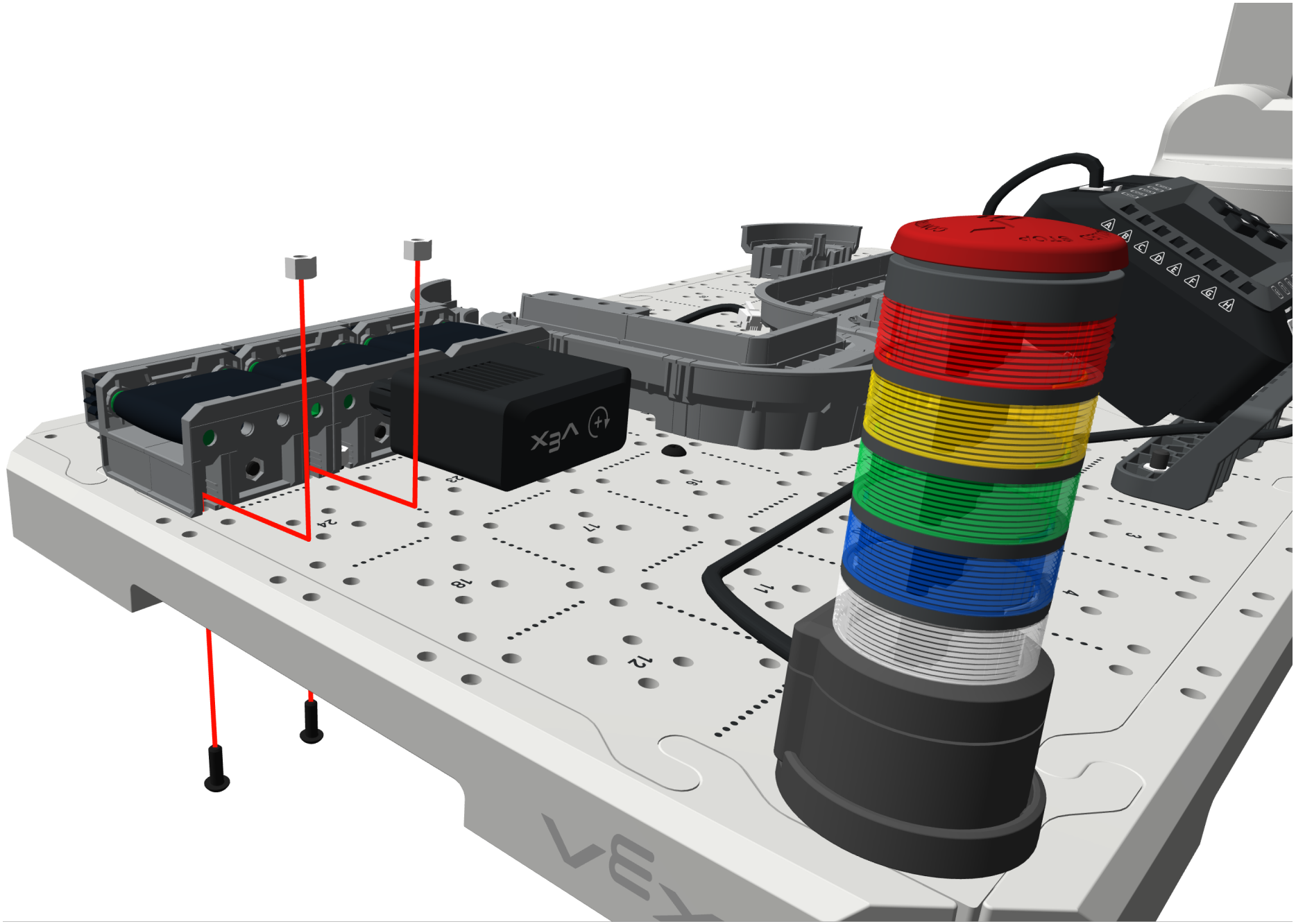

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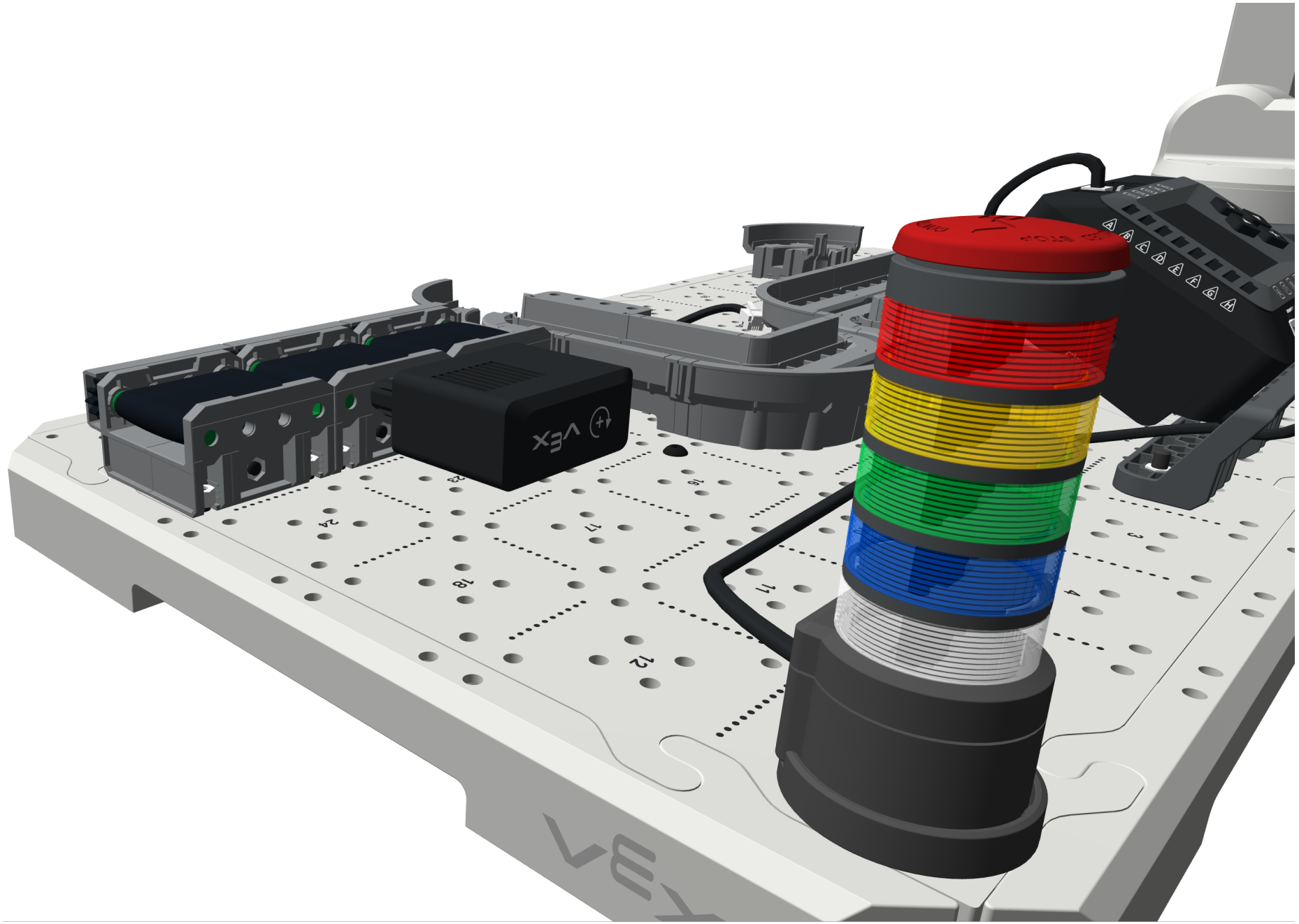

6 AXIS
ROBOTIC ARM
VEX
VEX
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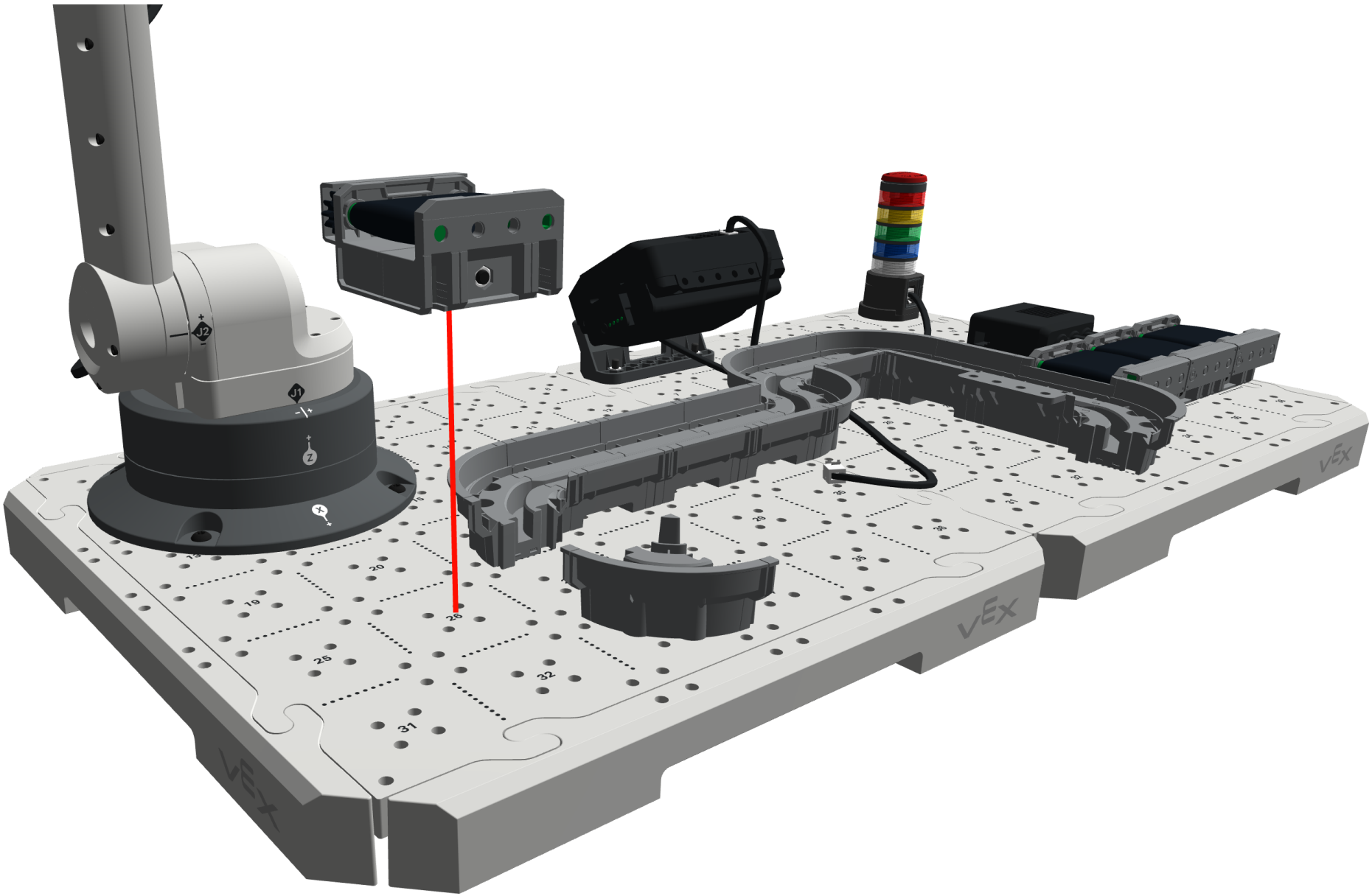

6 AXIS
ROBOTIC ARM
VEX
VEX

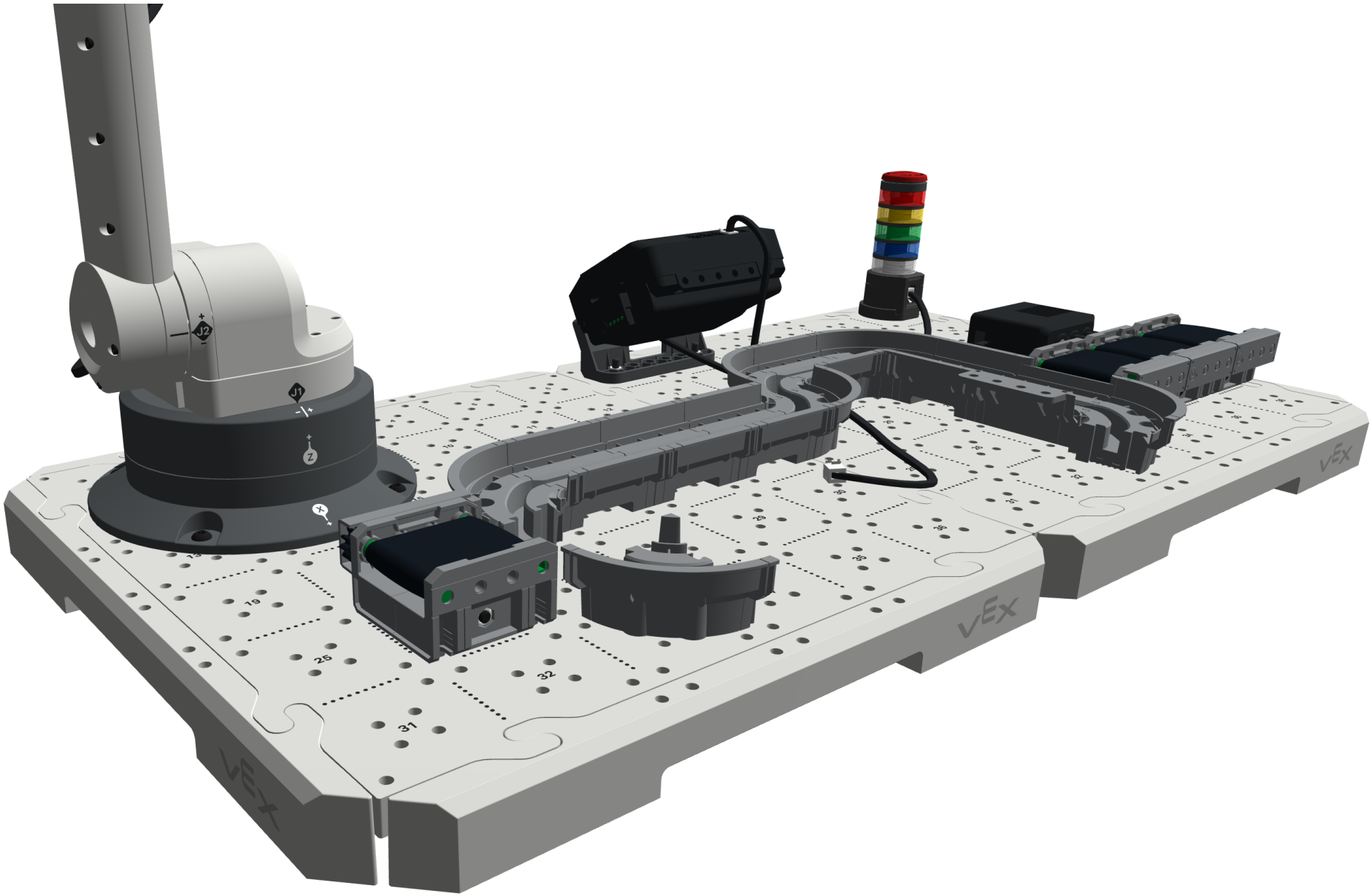

6 AXIS
ROBOTIC ARM
VEX

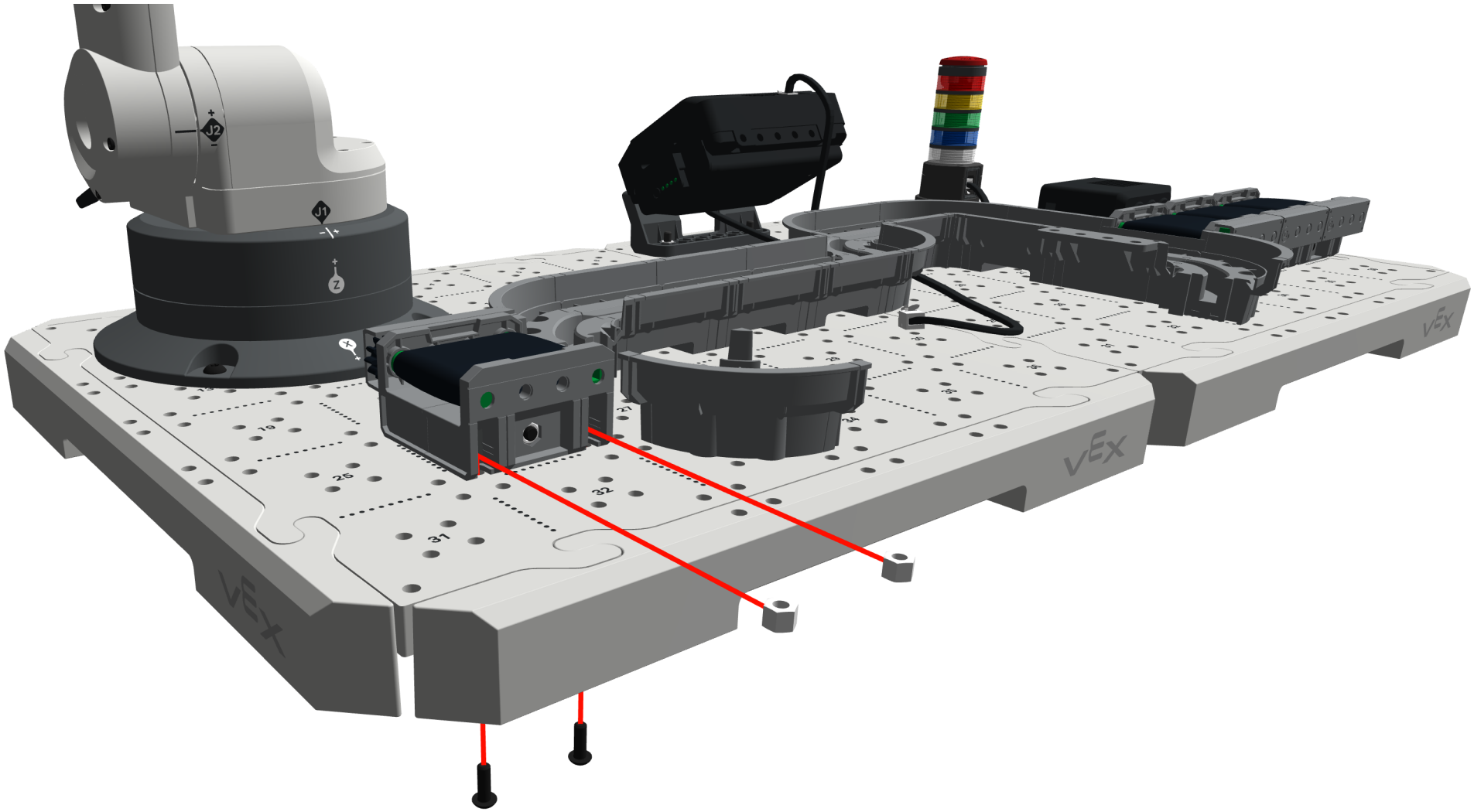

6 AXIS
INDUSTRIAL ARM
VEX

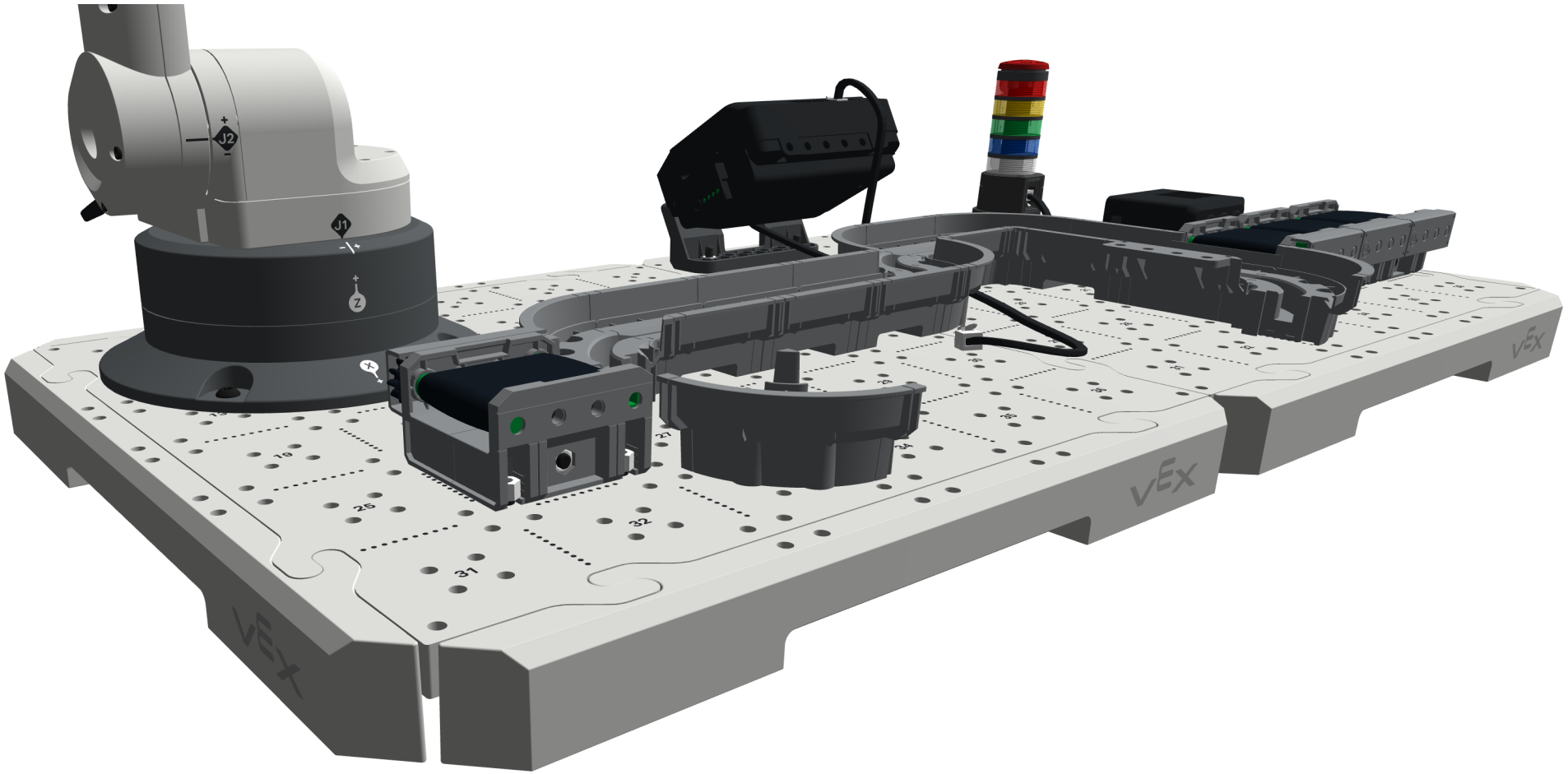


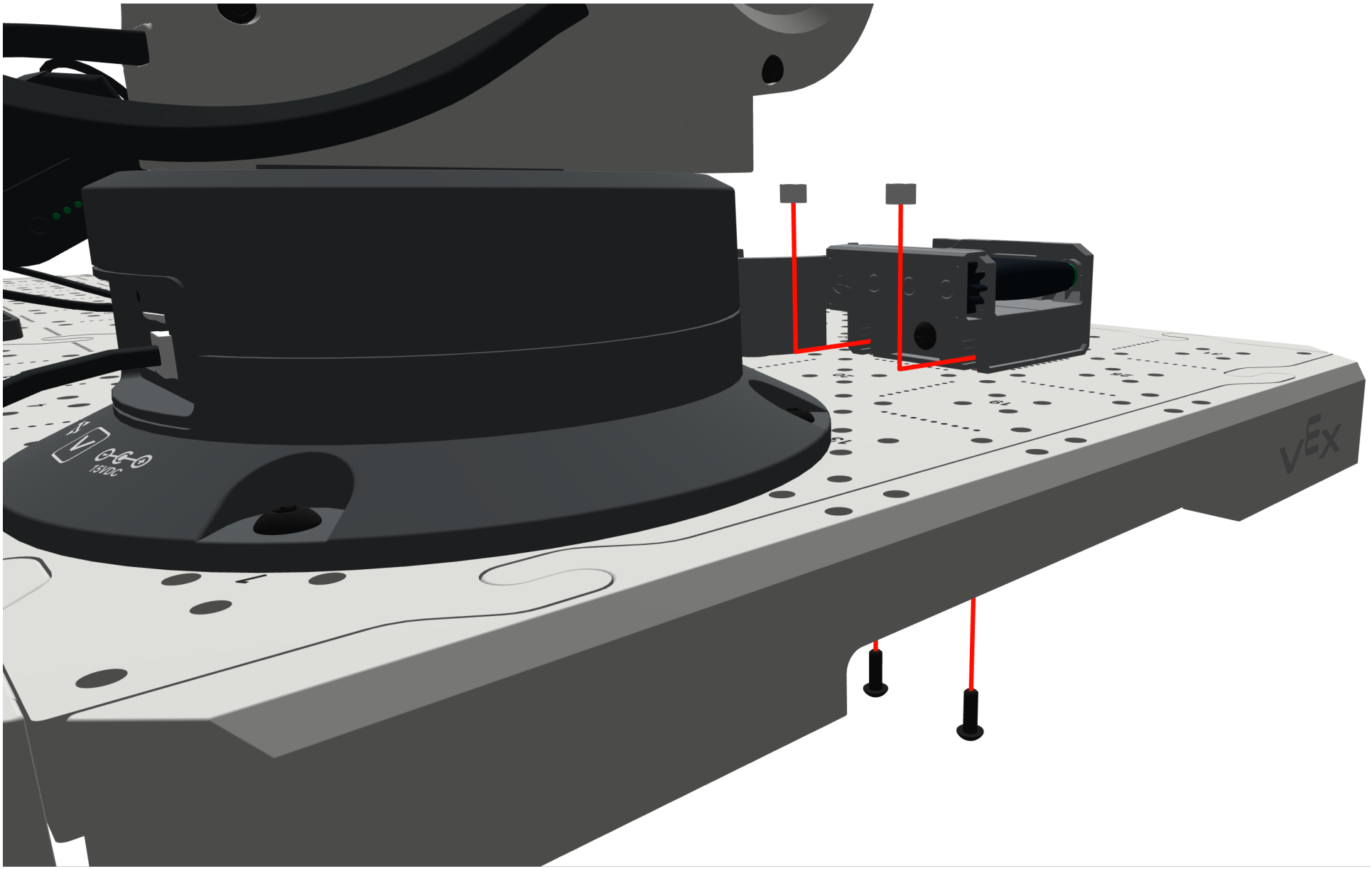

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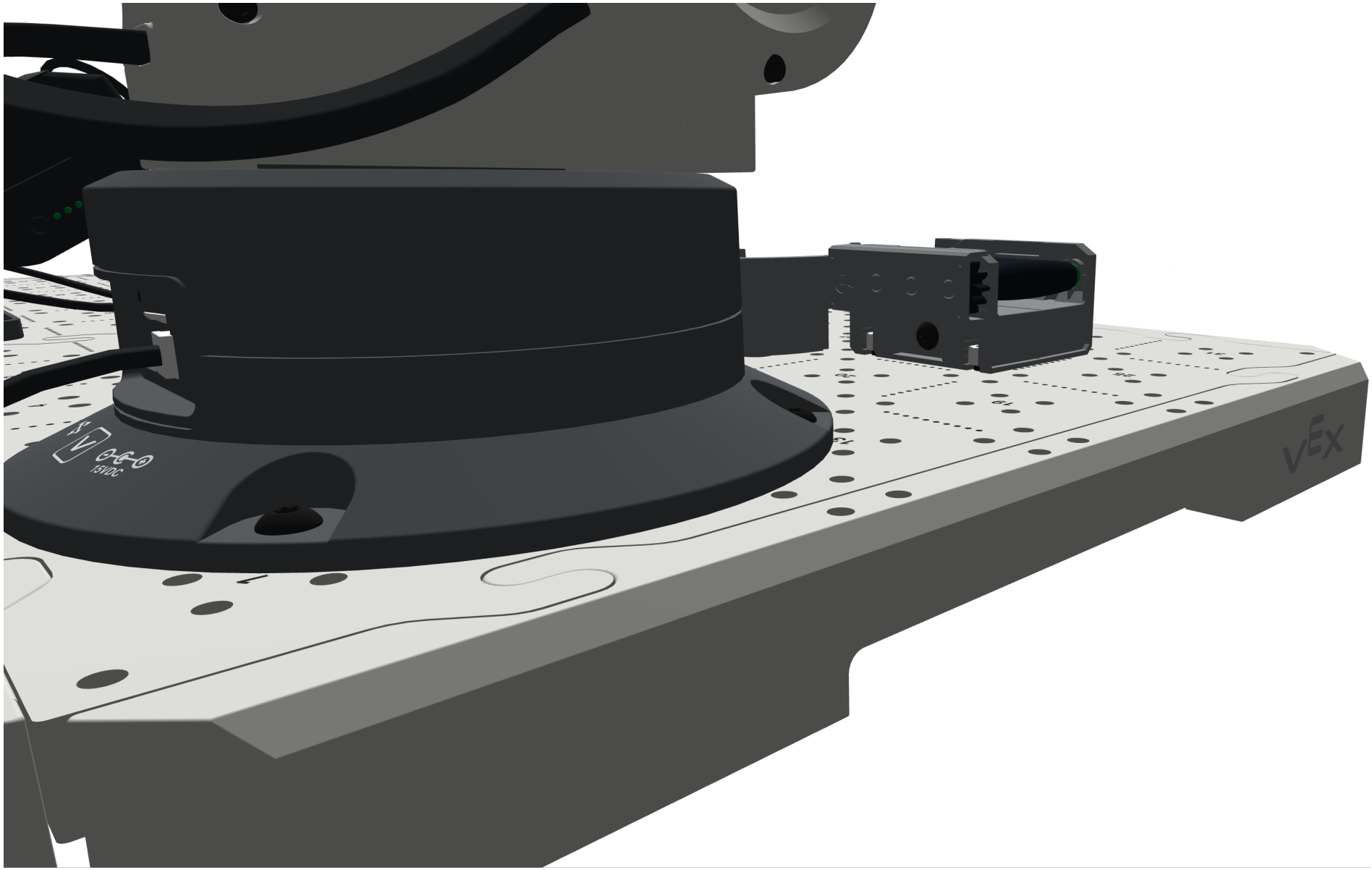

J2
J1
Z
X
VEX
VEX
VEX
VEX
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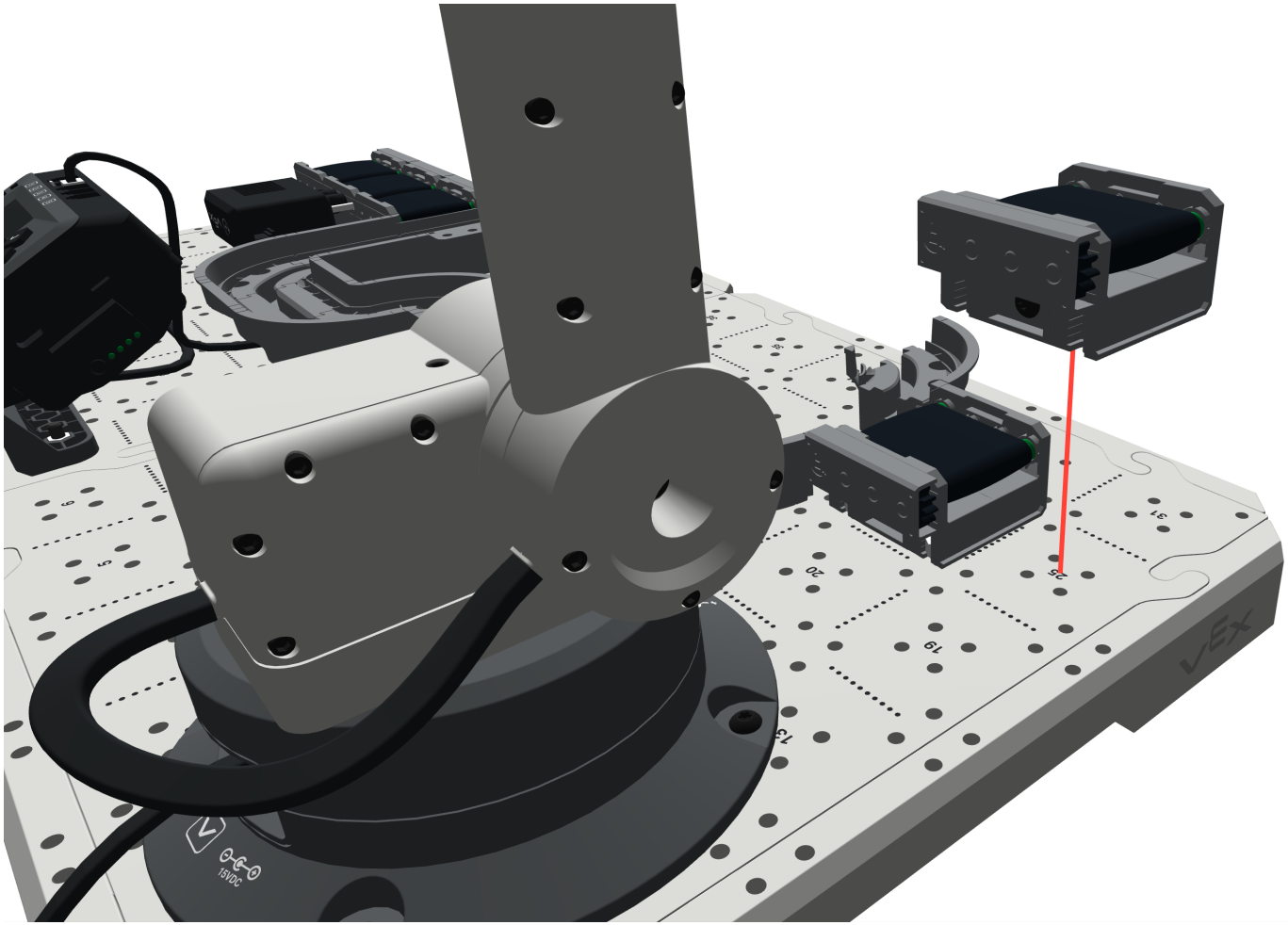

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J1
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VEX

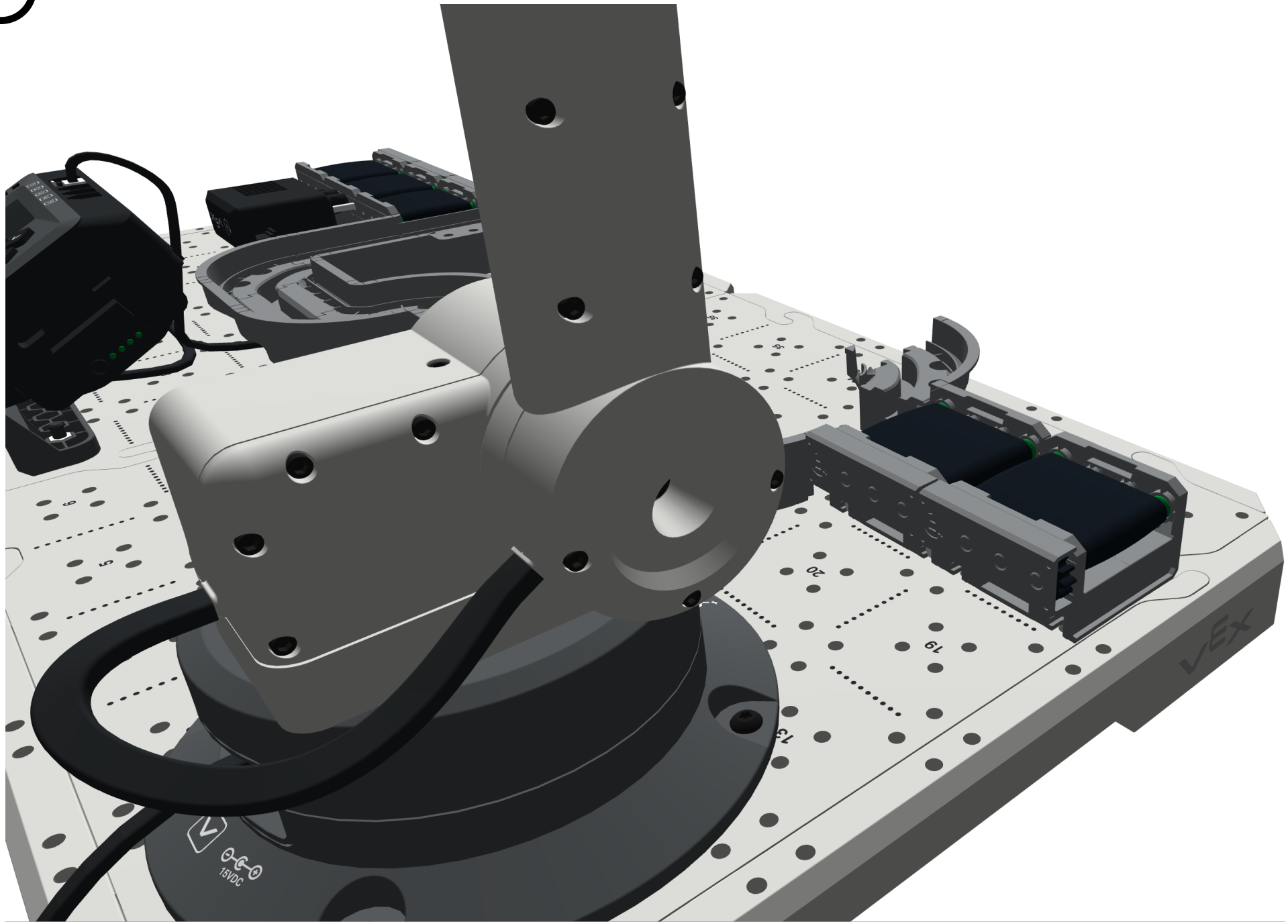

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J1
Z
VEX

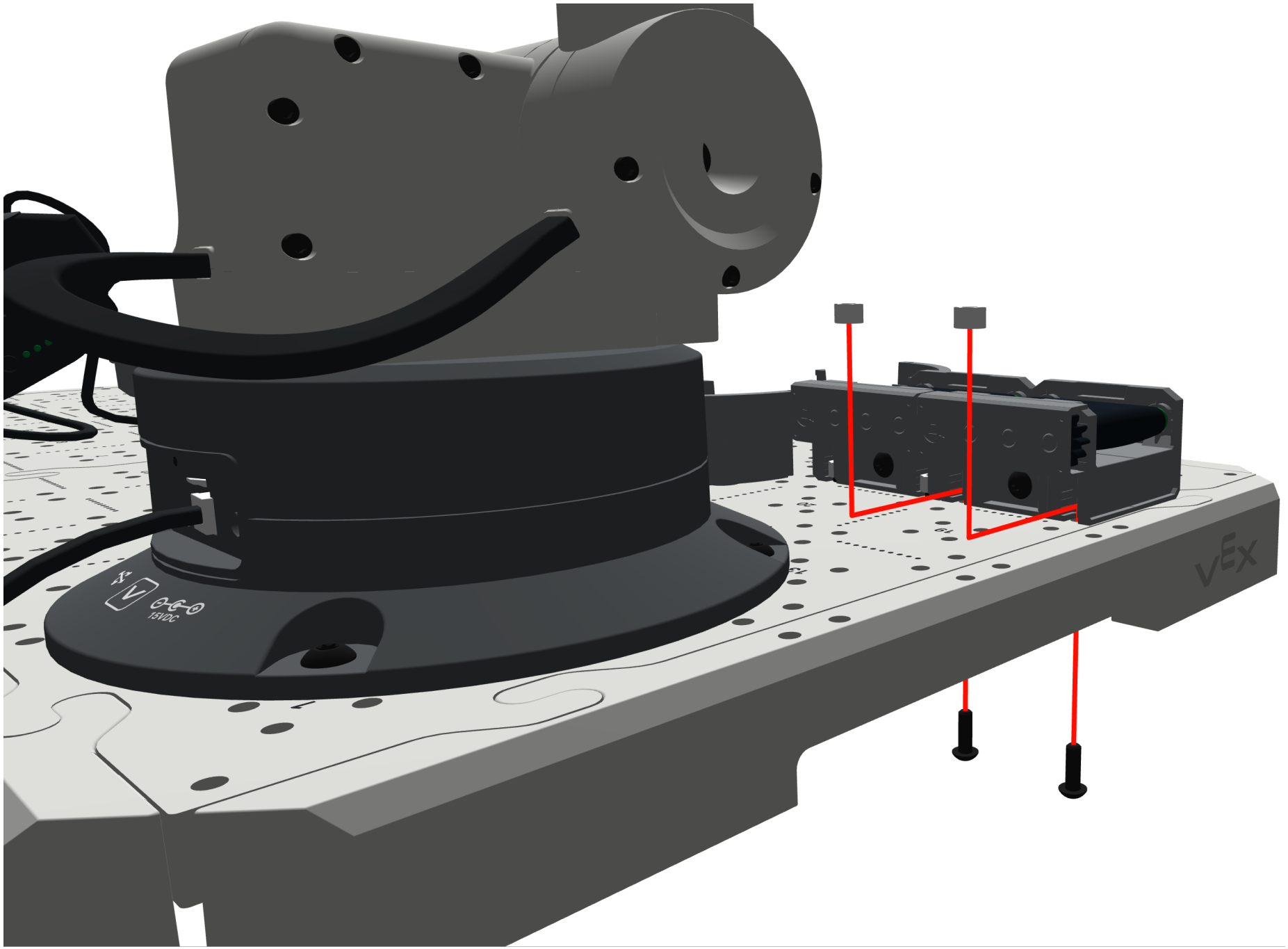

J2
J1
Z
VEX
VEX
VEX

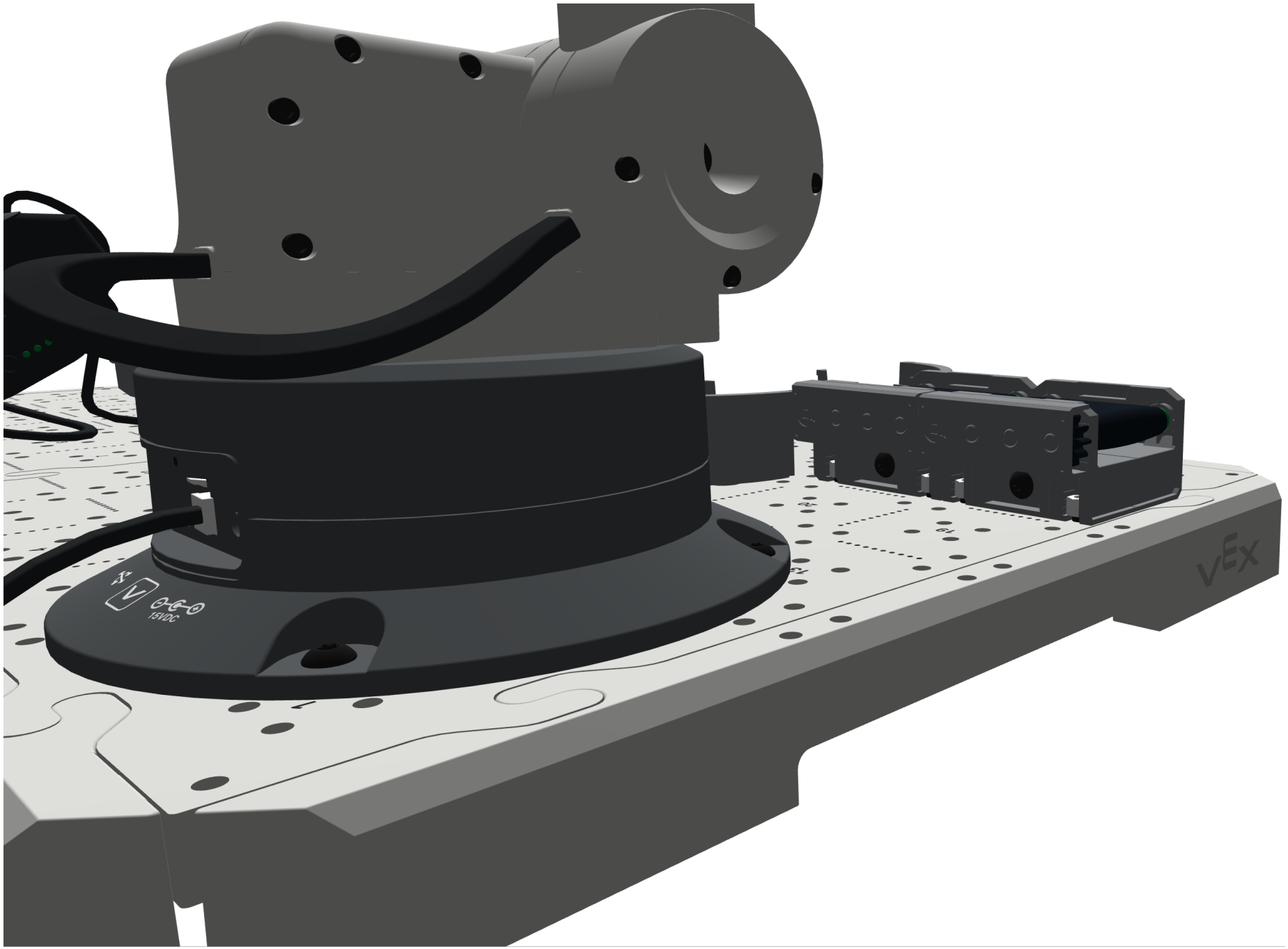

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VEX

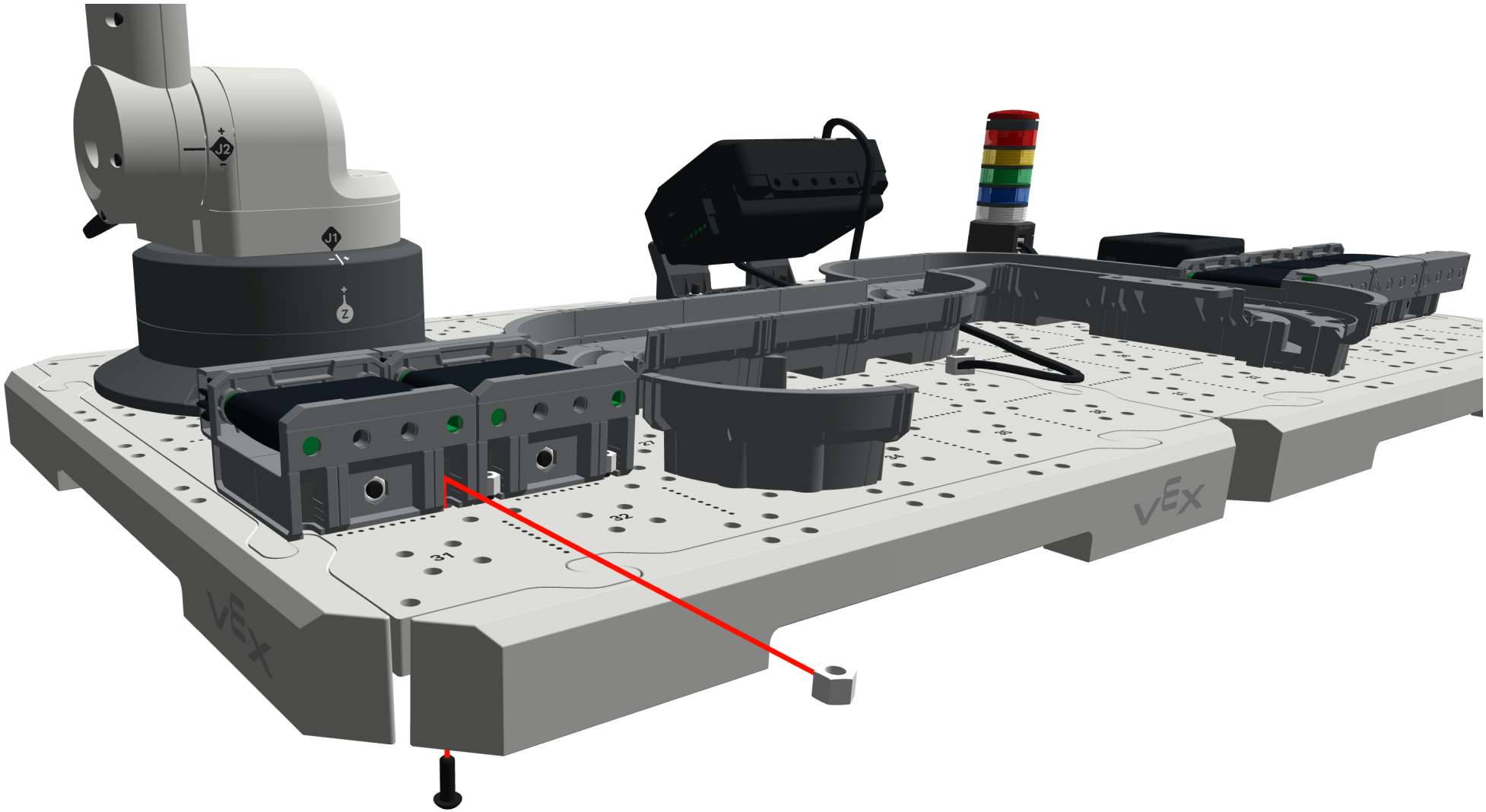

15V2c
VEx

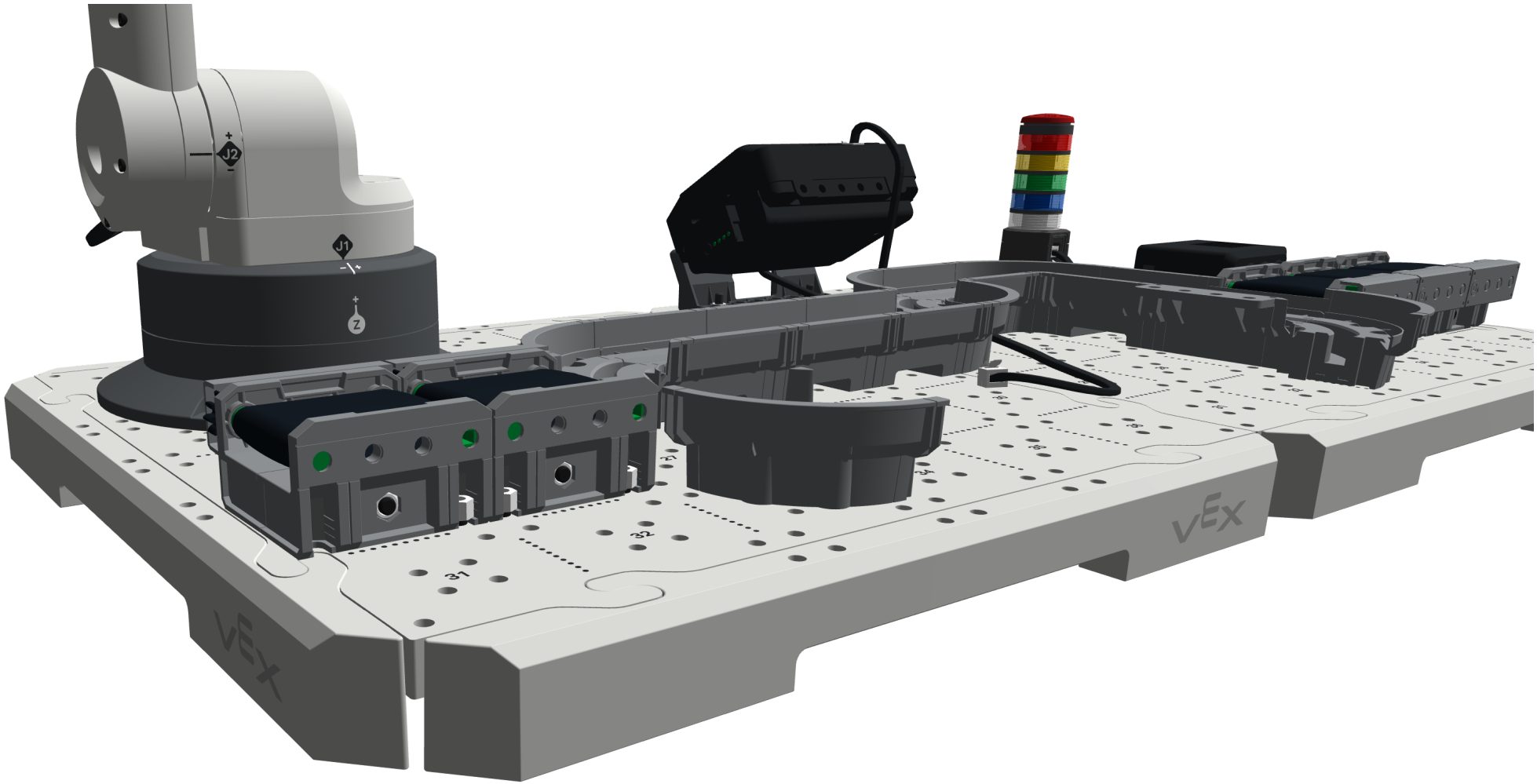

15VDC
VEX

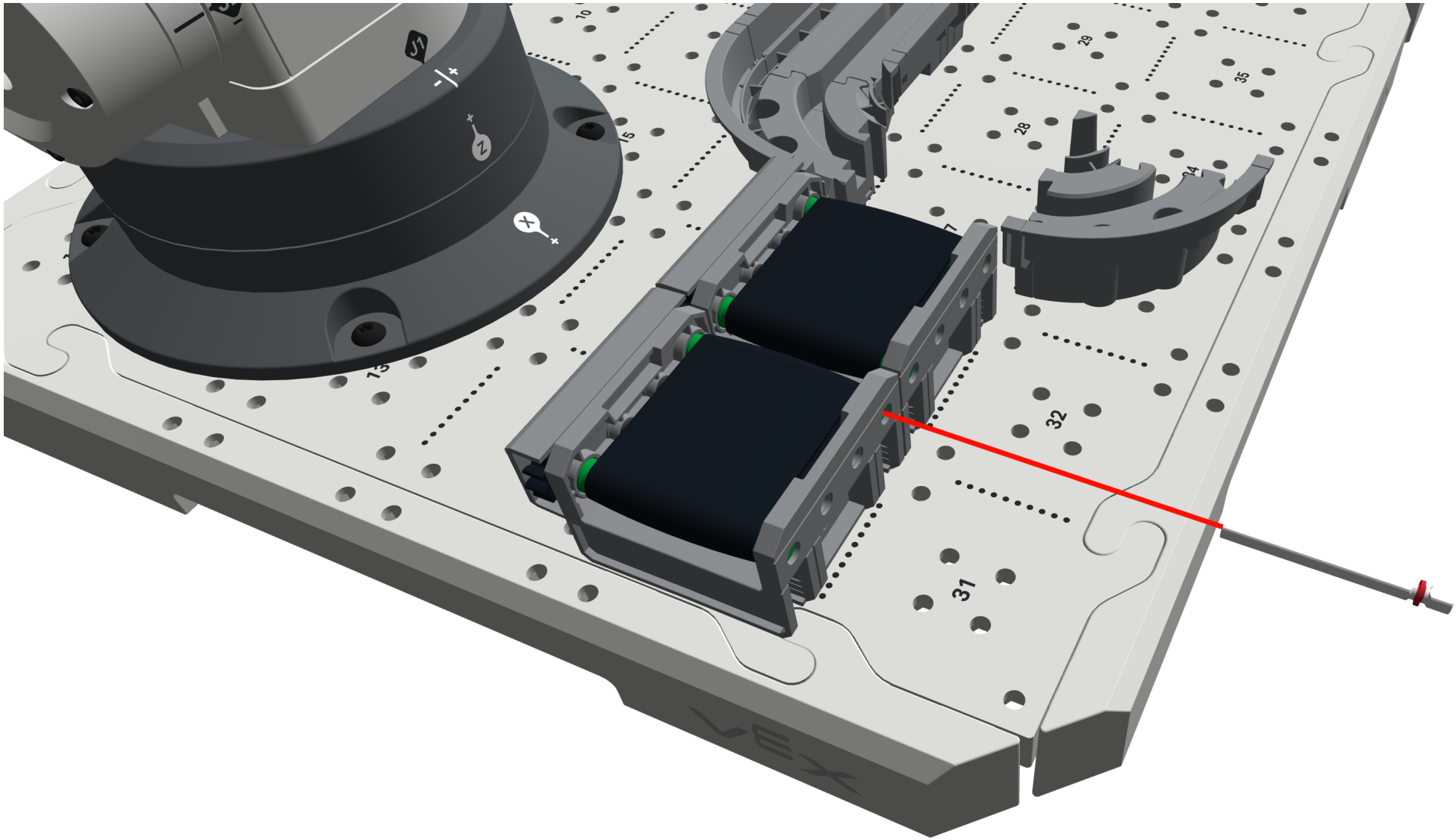

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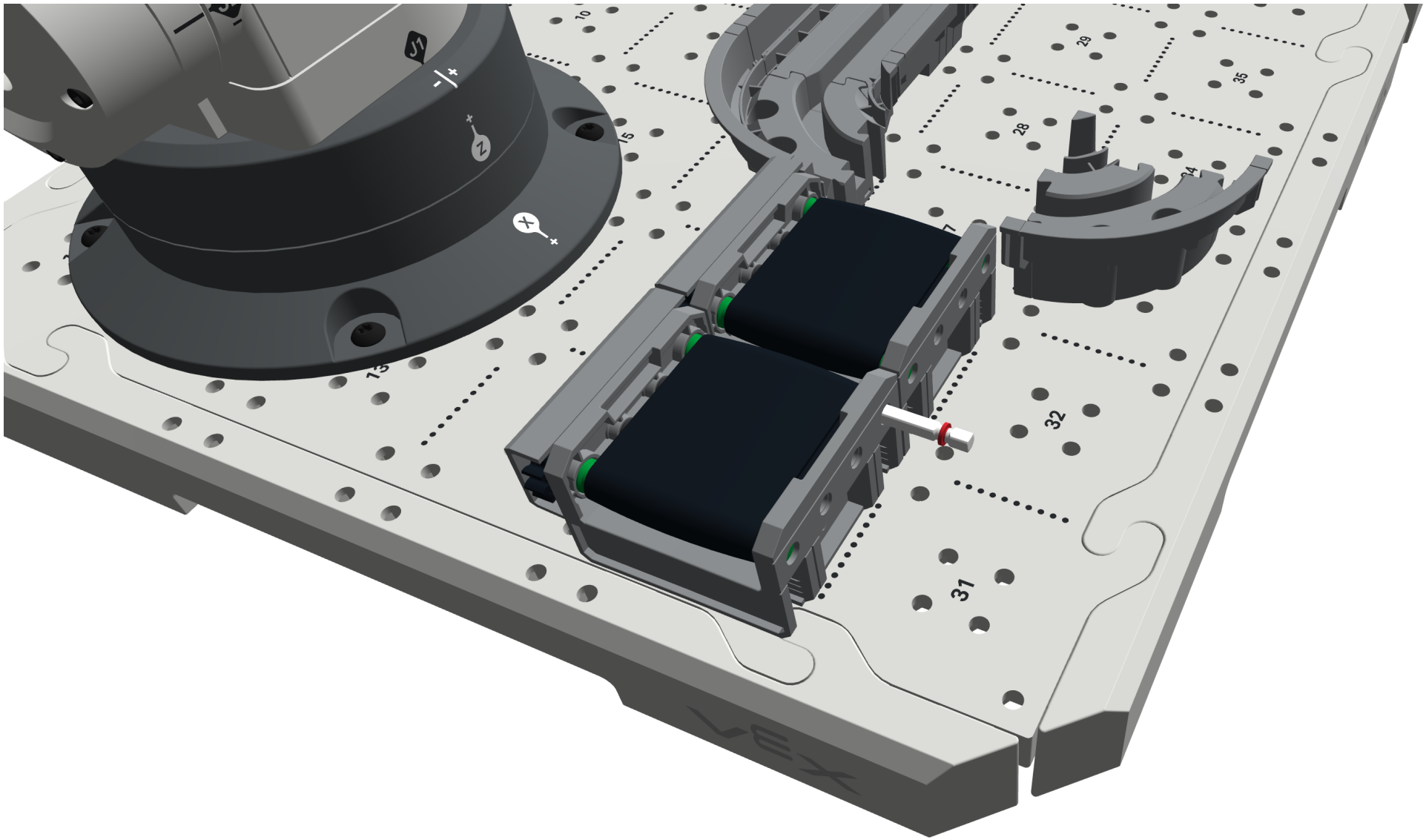

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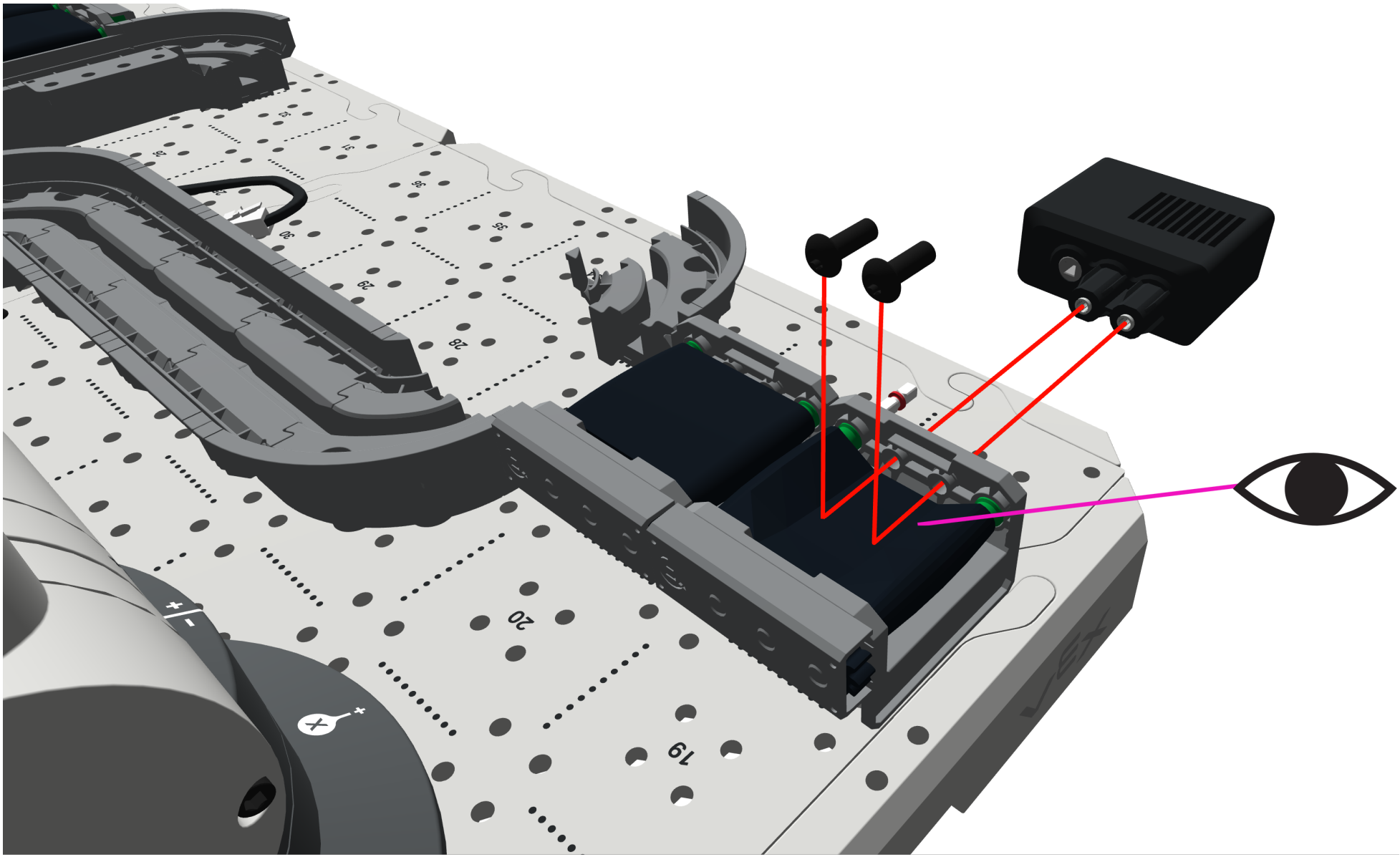

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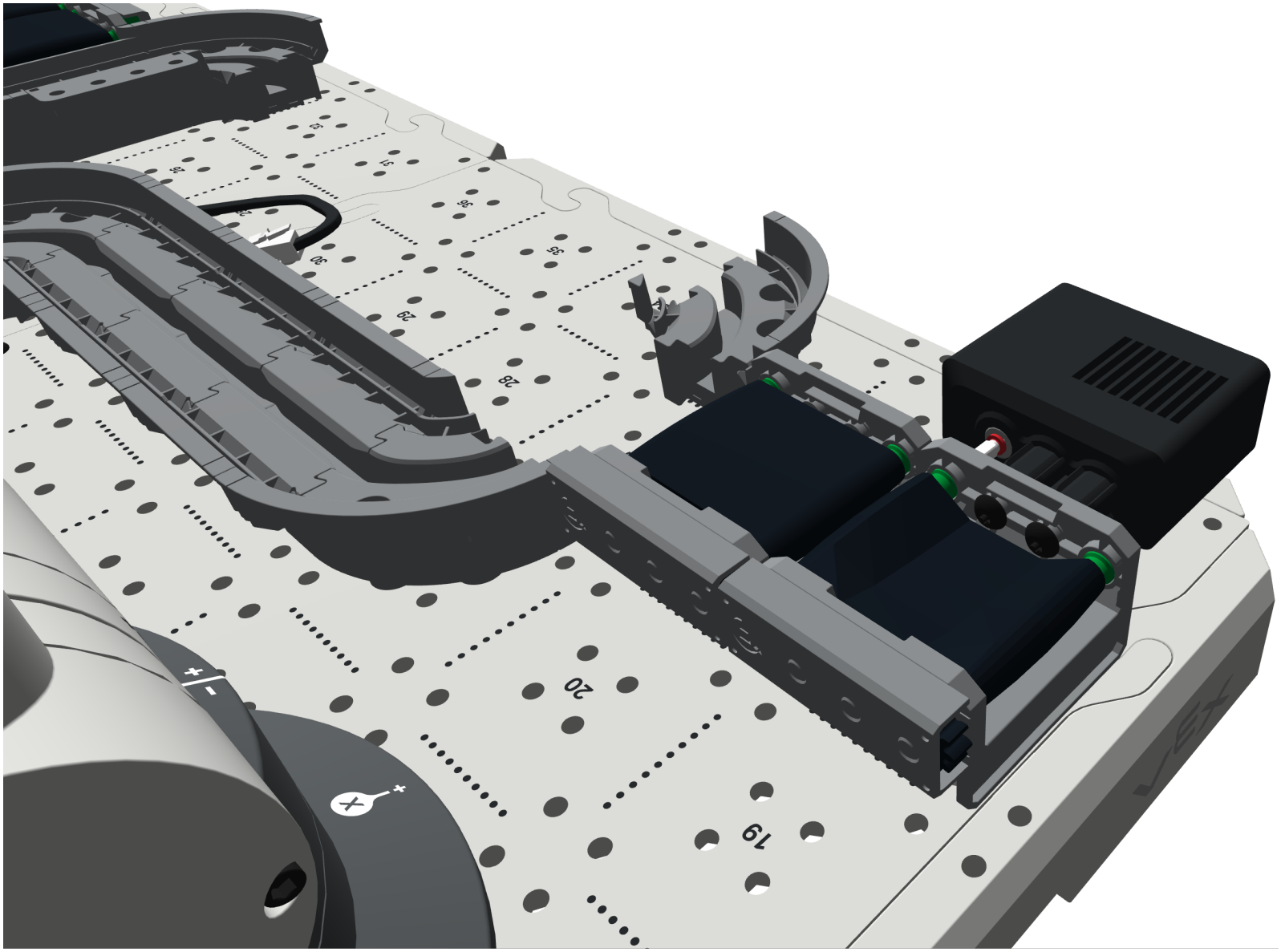

J2
J1
Z
vEx
vEx

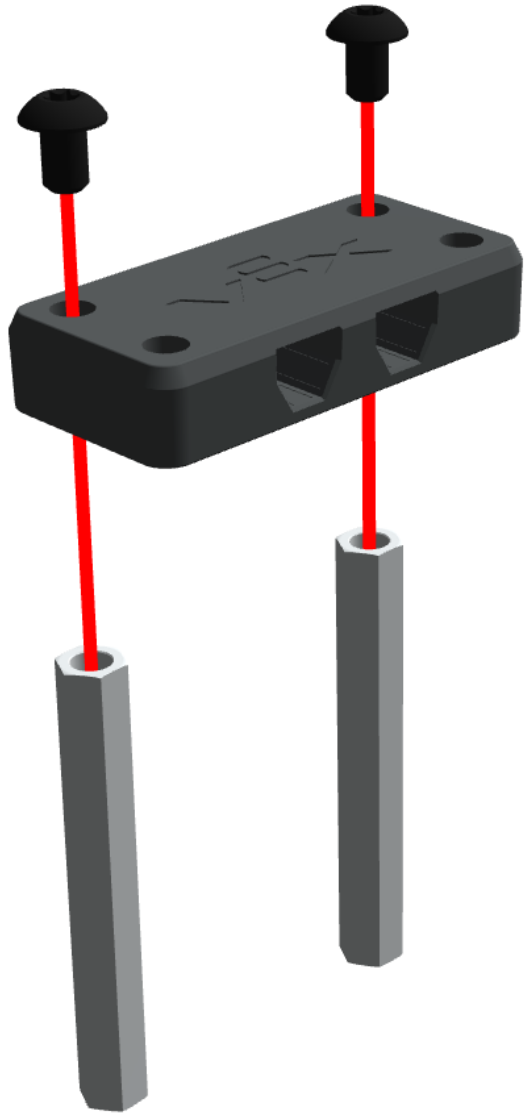

J2
J1
Z
vEx
vEx

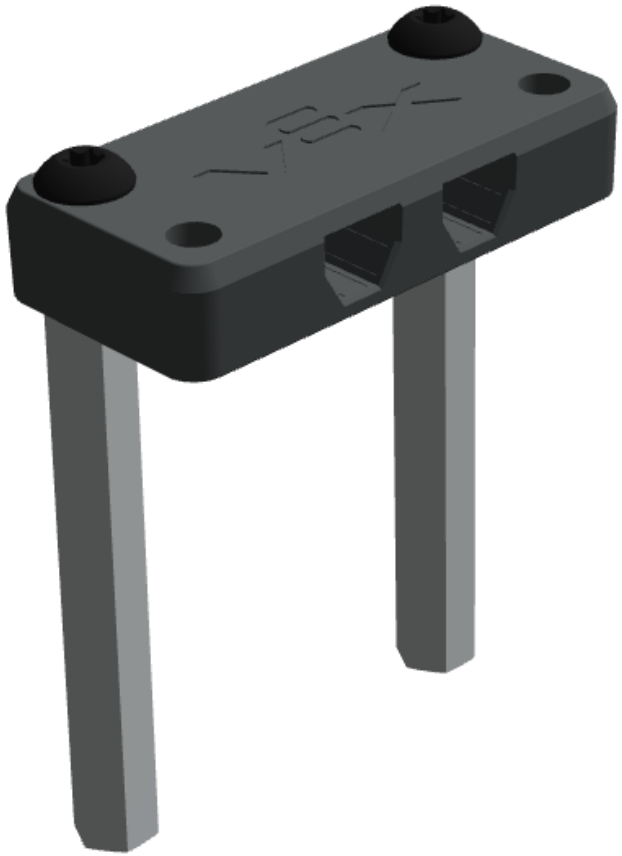

S1
Z
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VEX

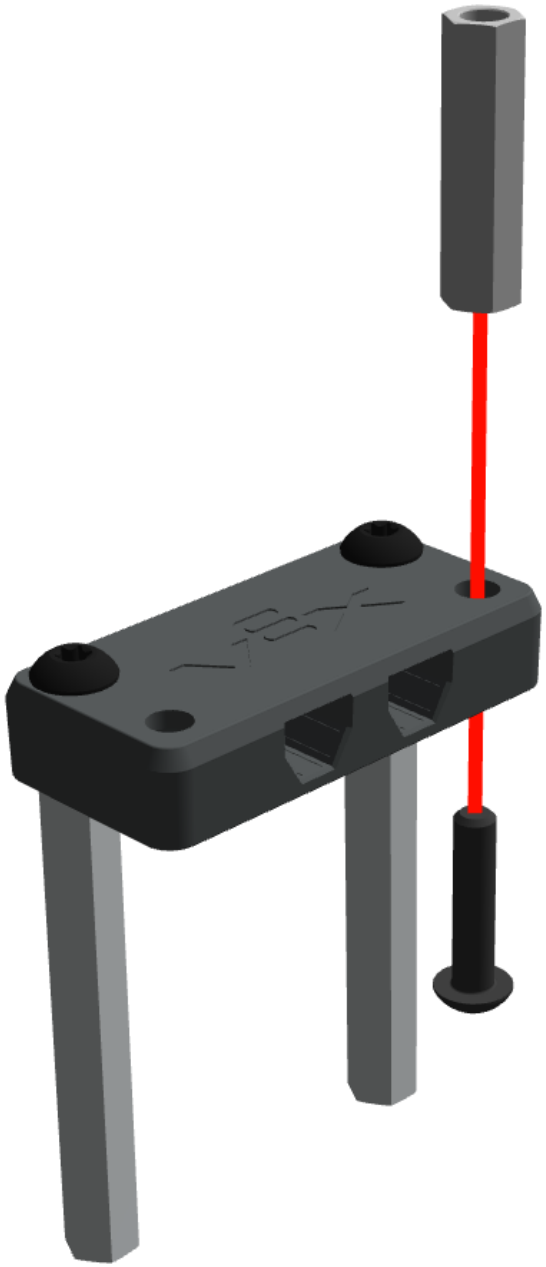

J1
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VEX


+/-
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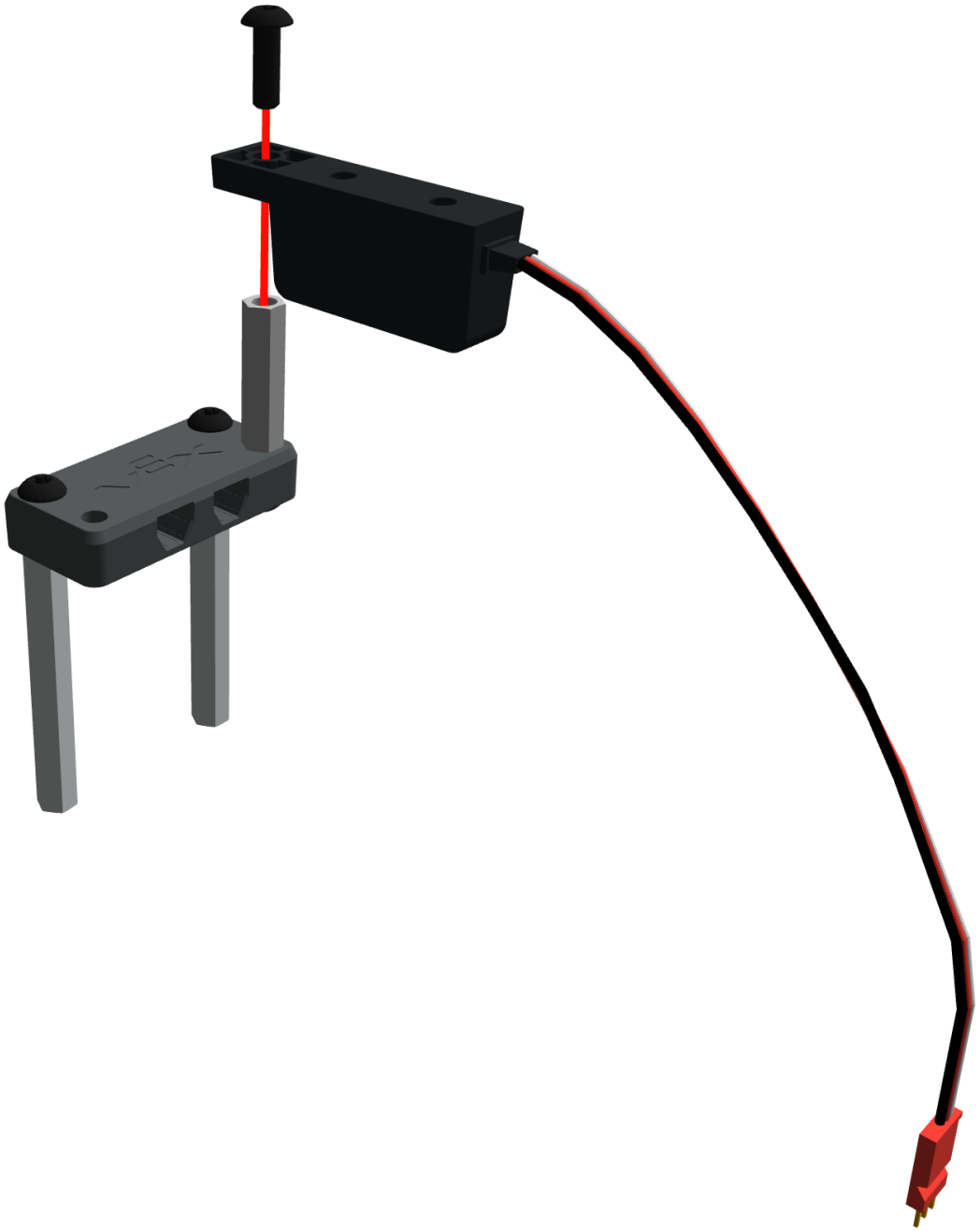

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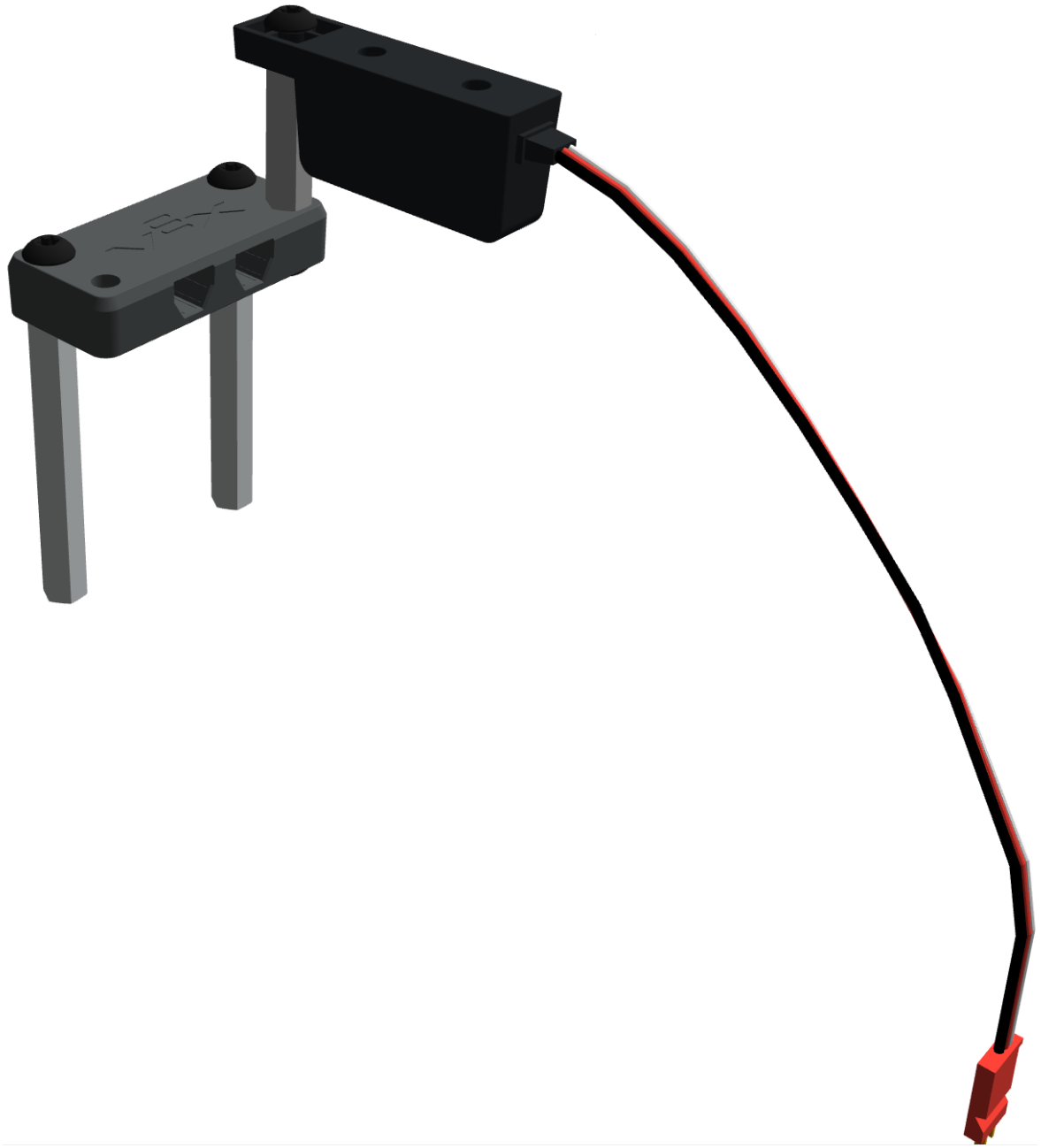

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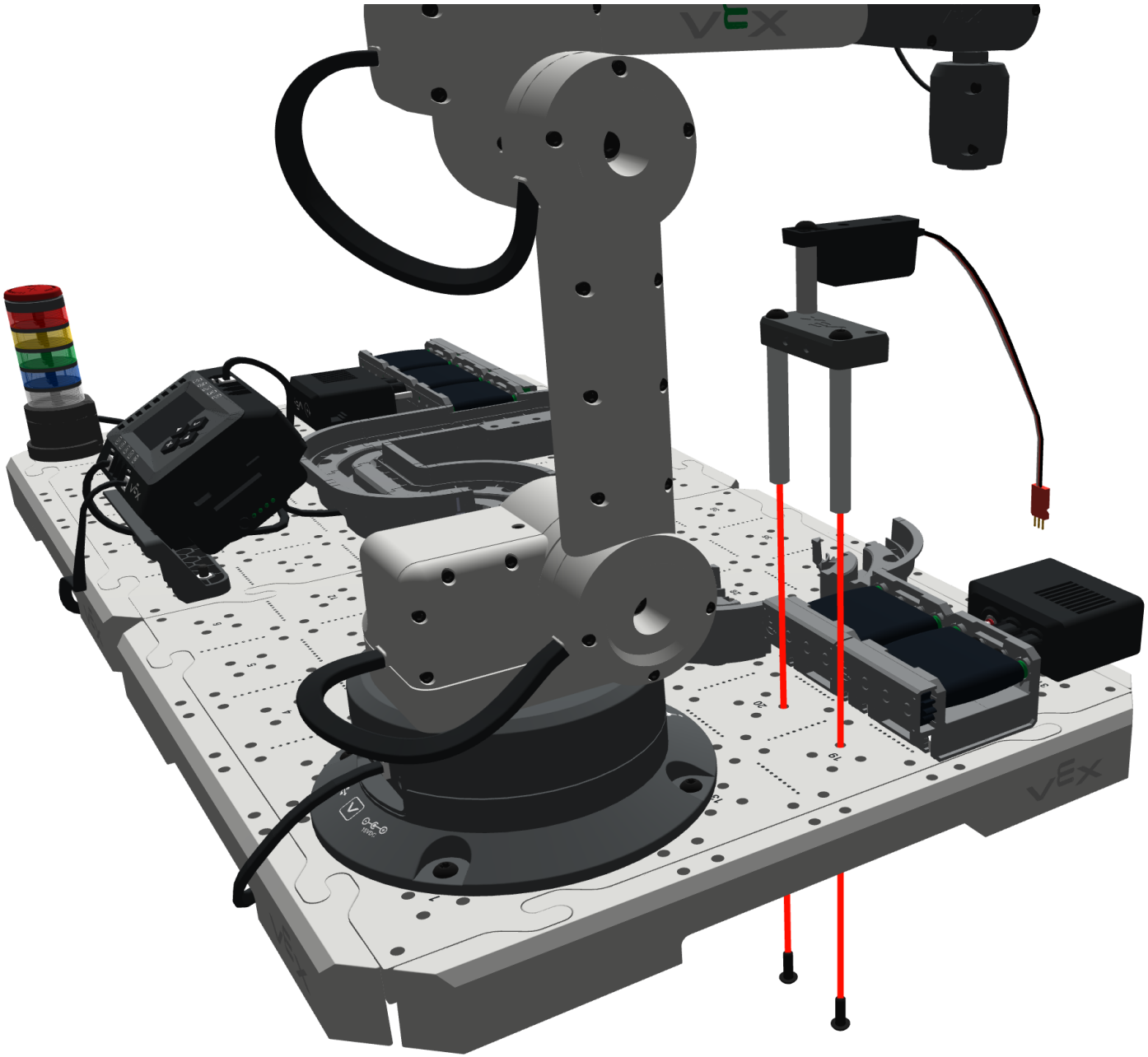


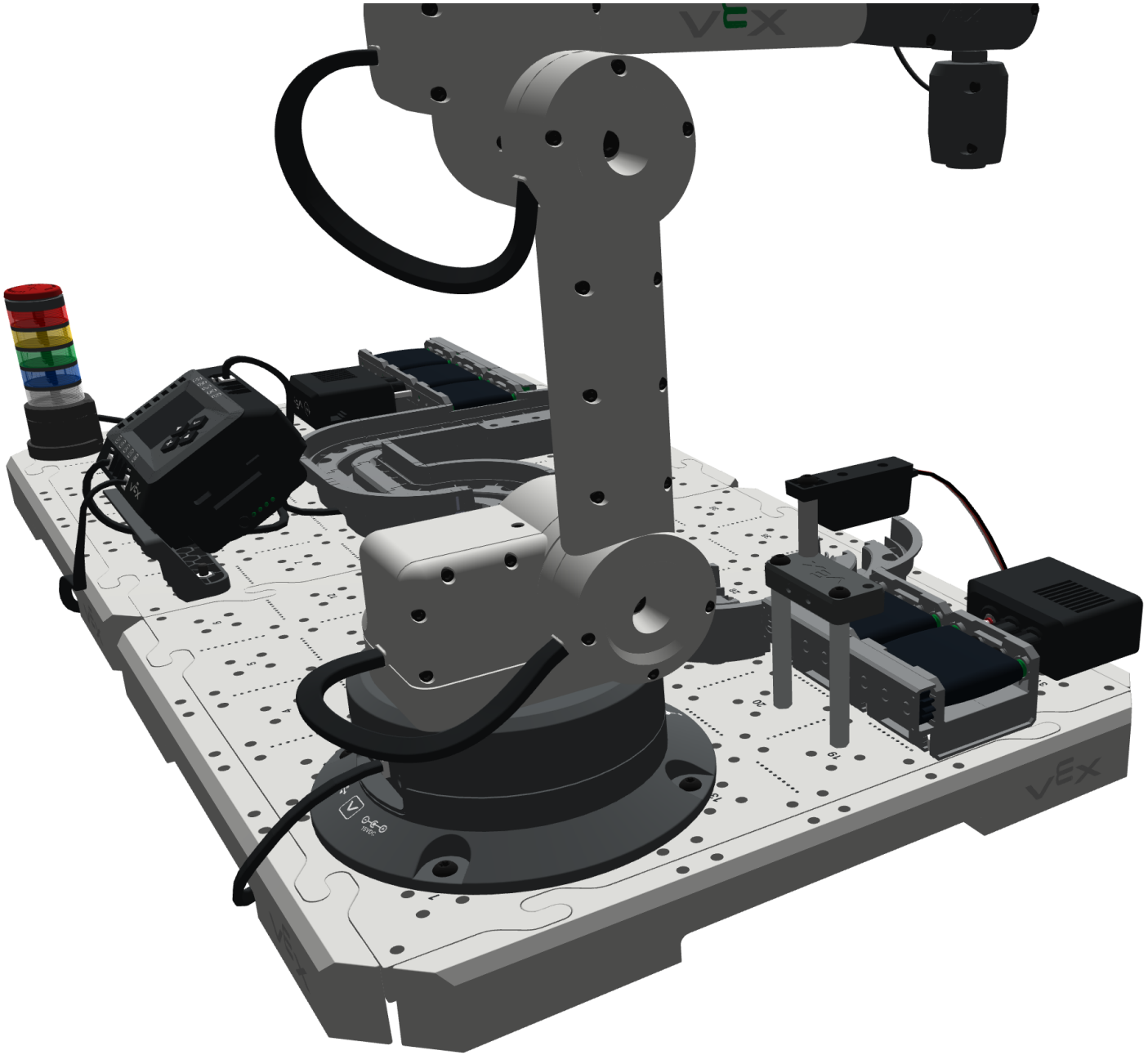


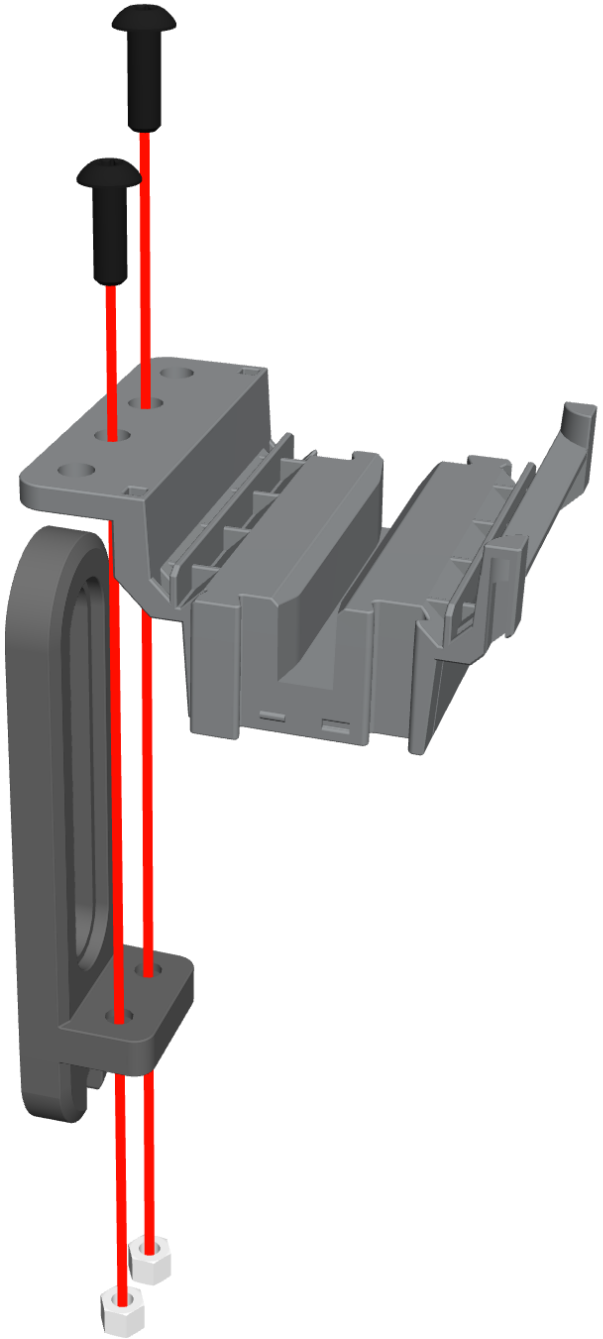


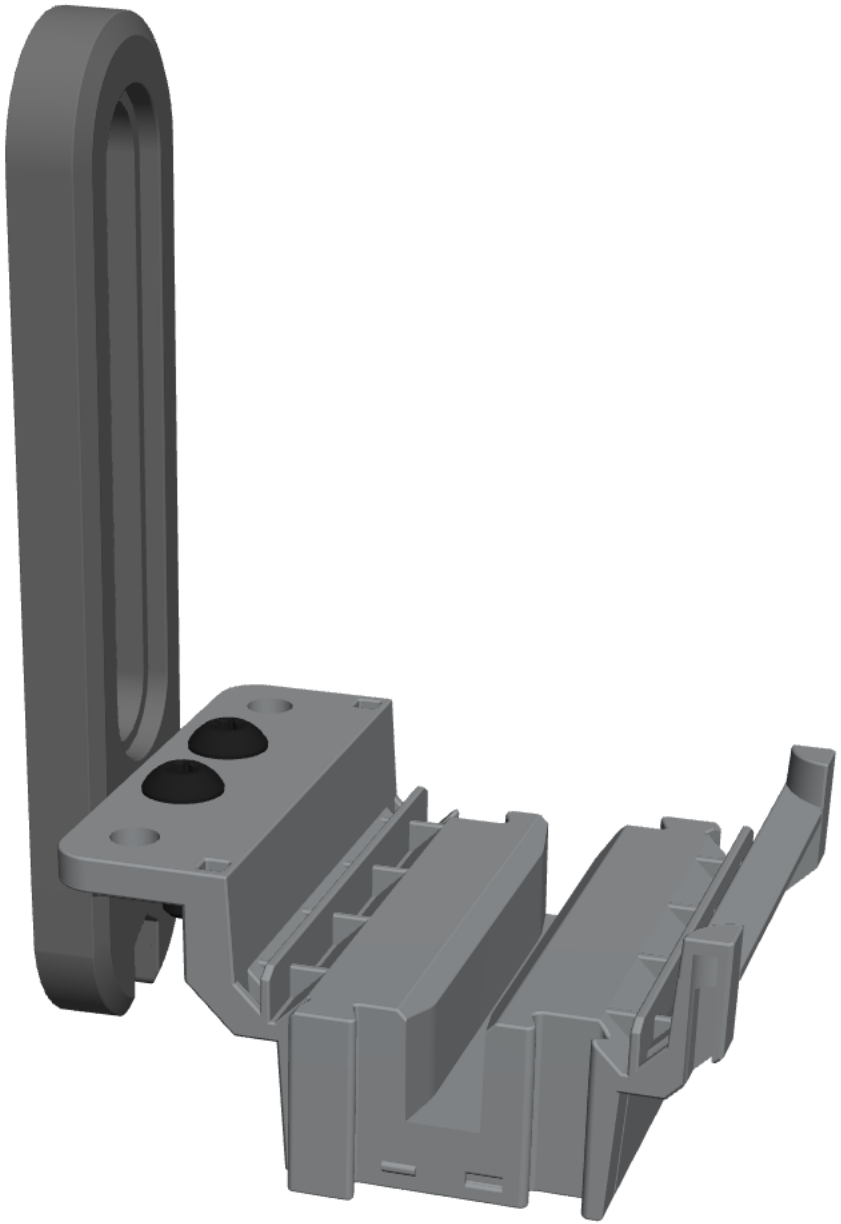


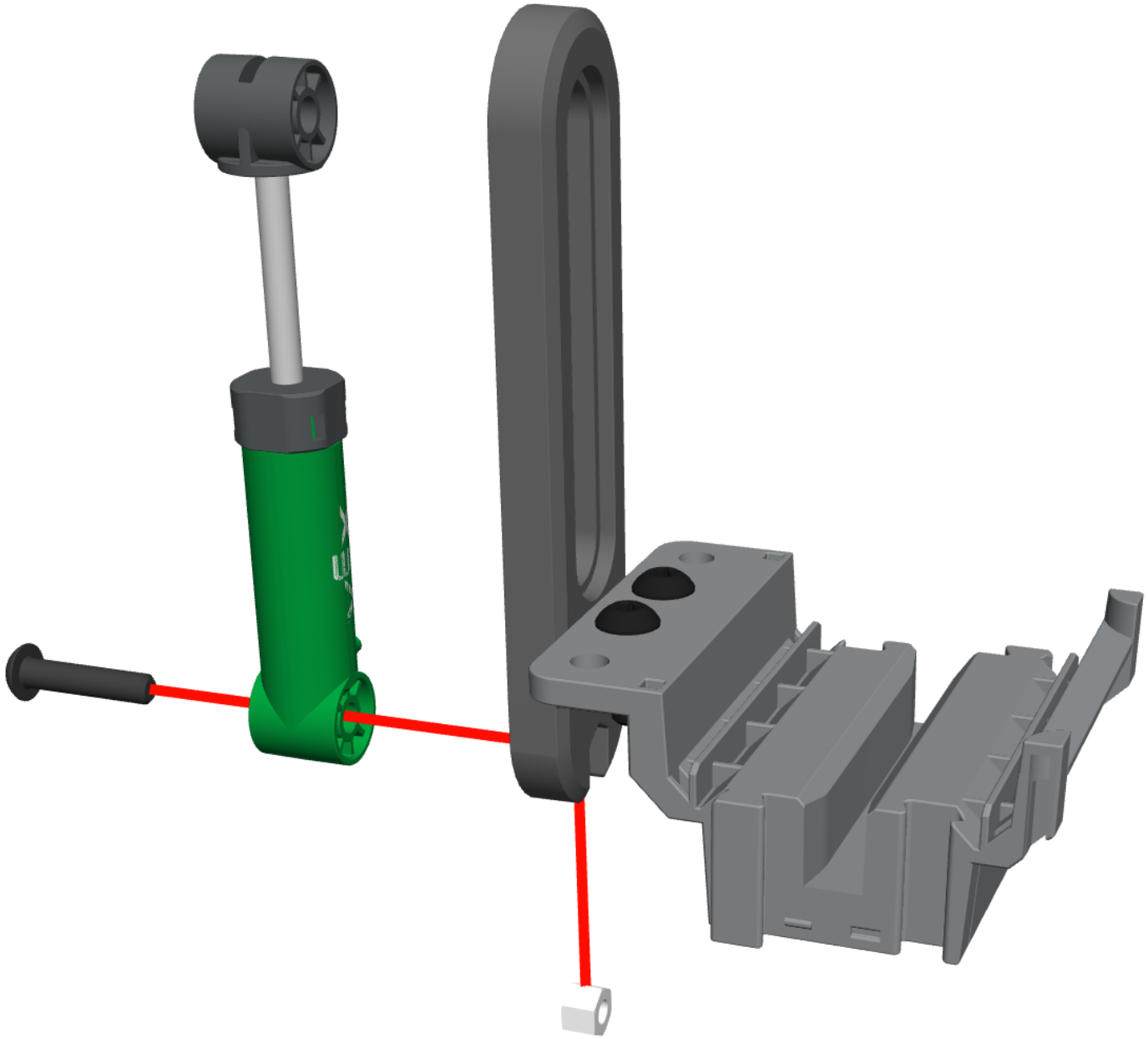

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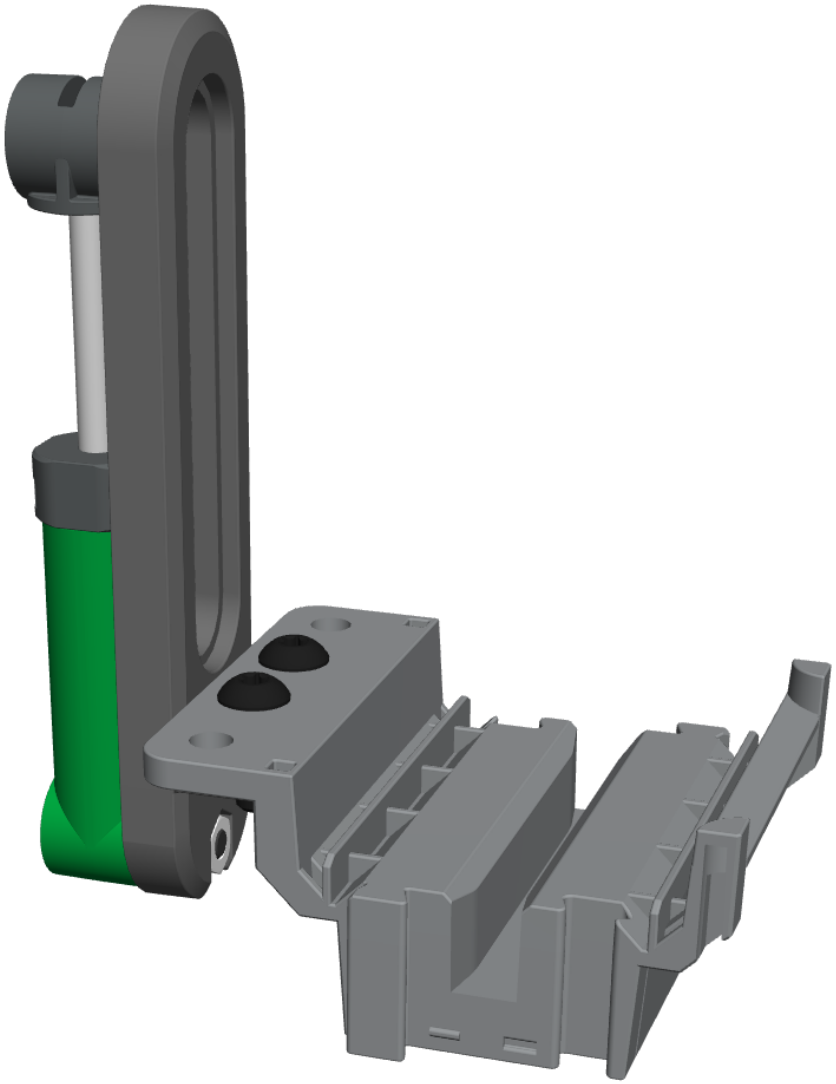

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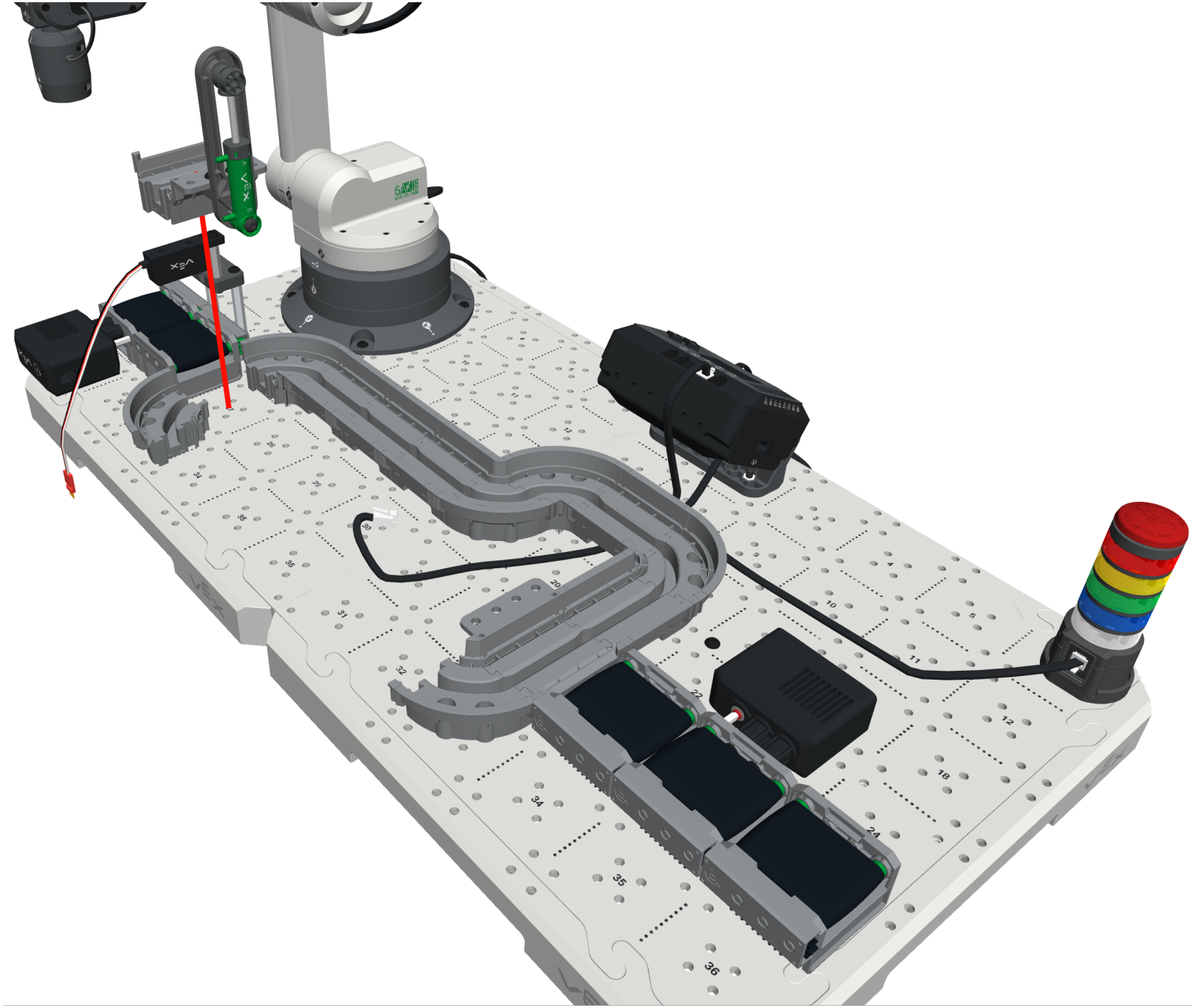

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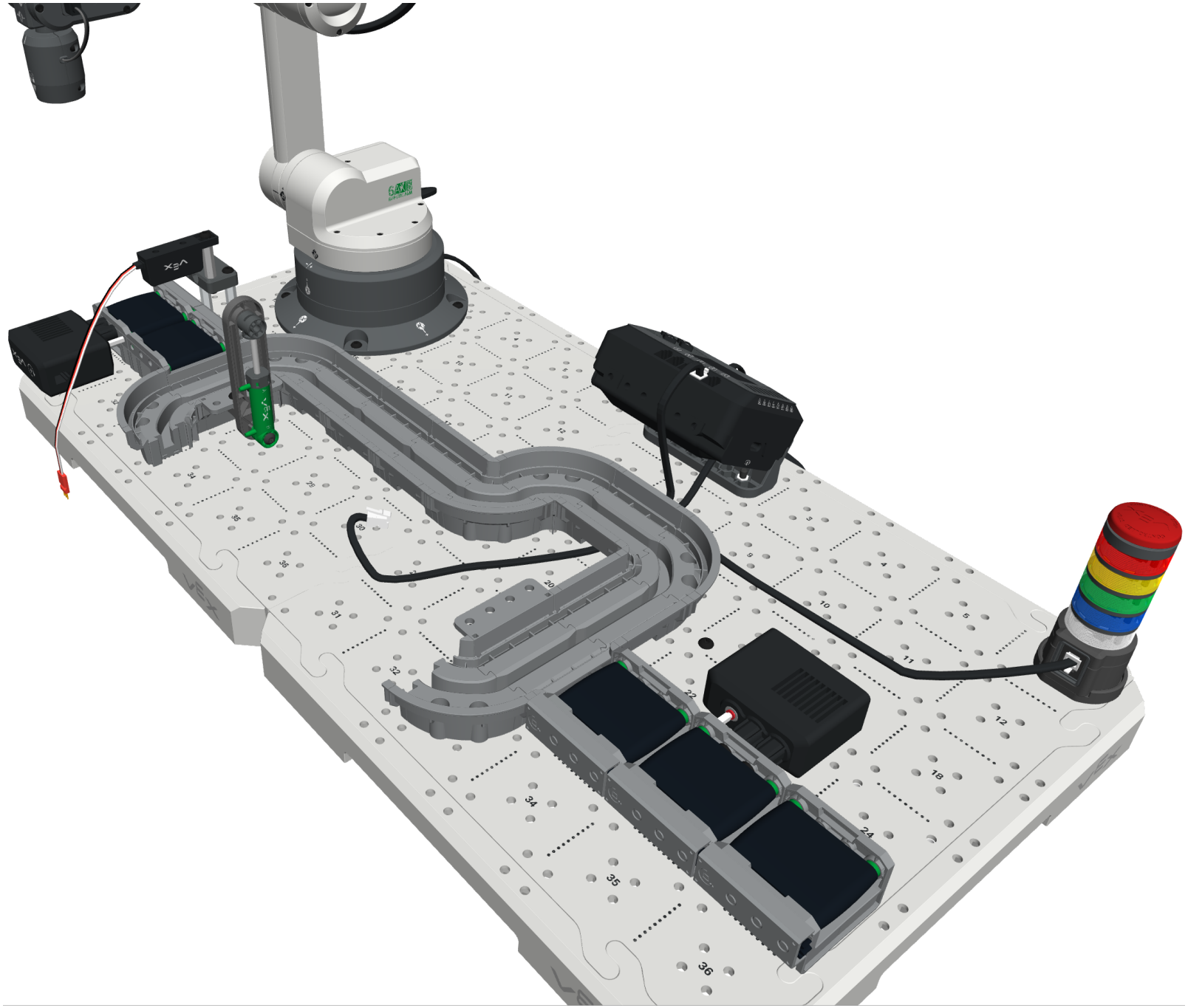


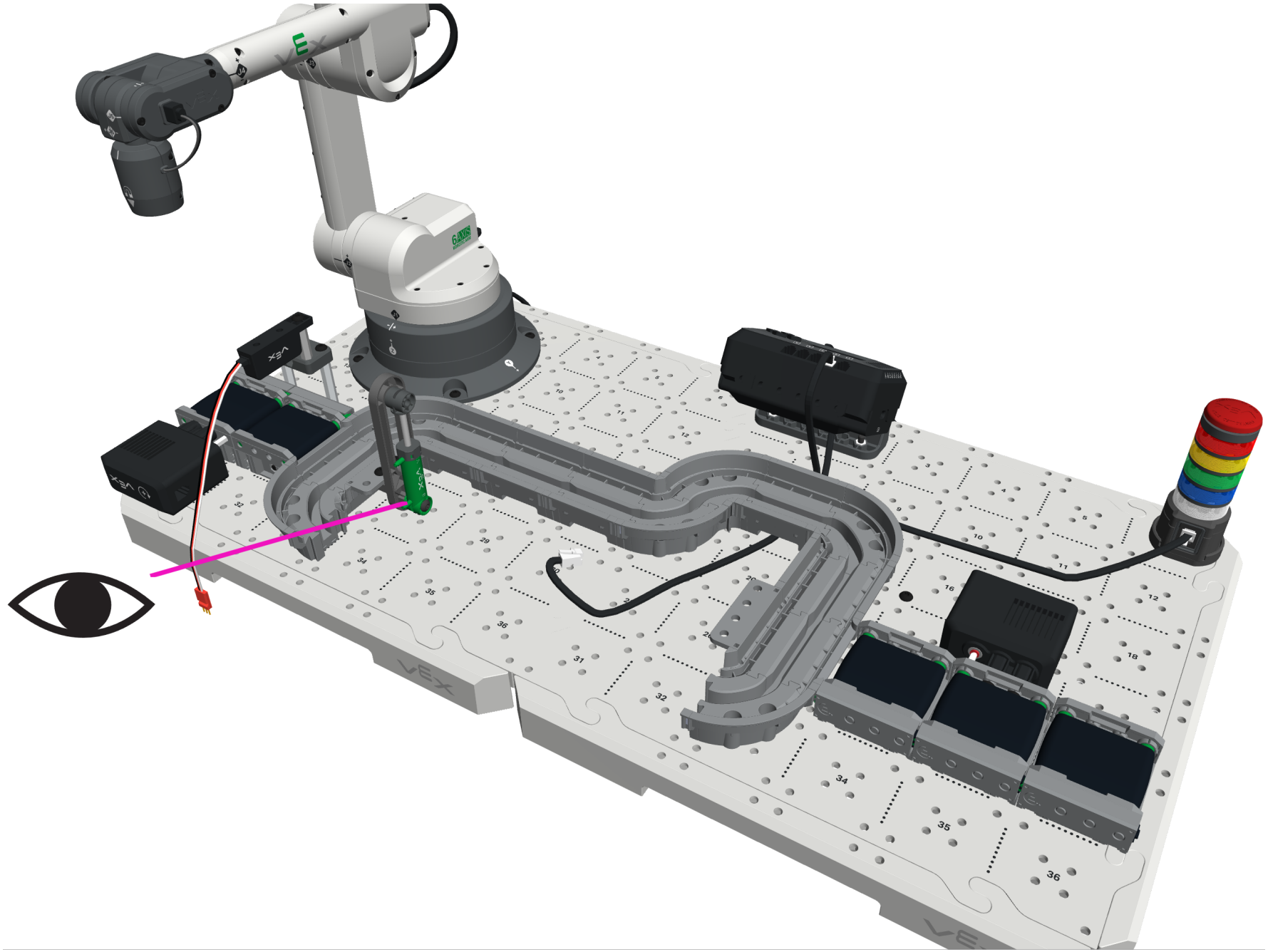


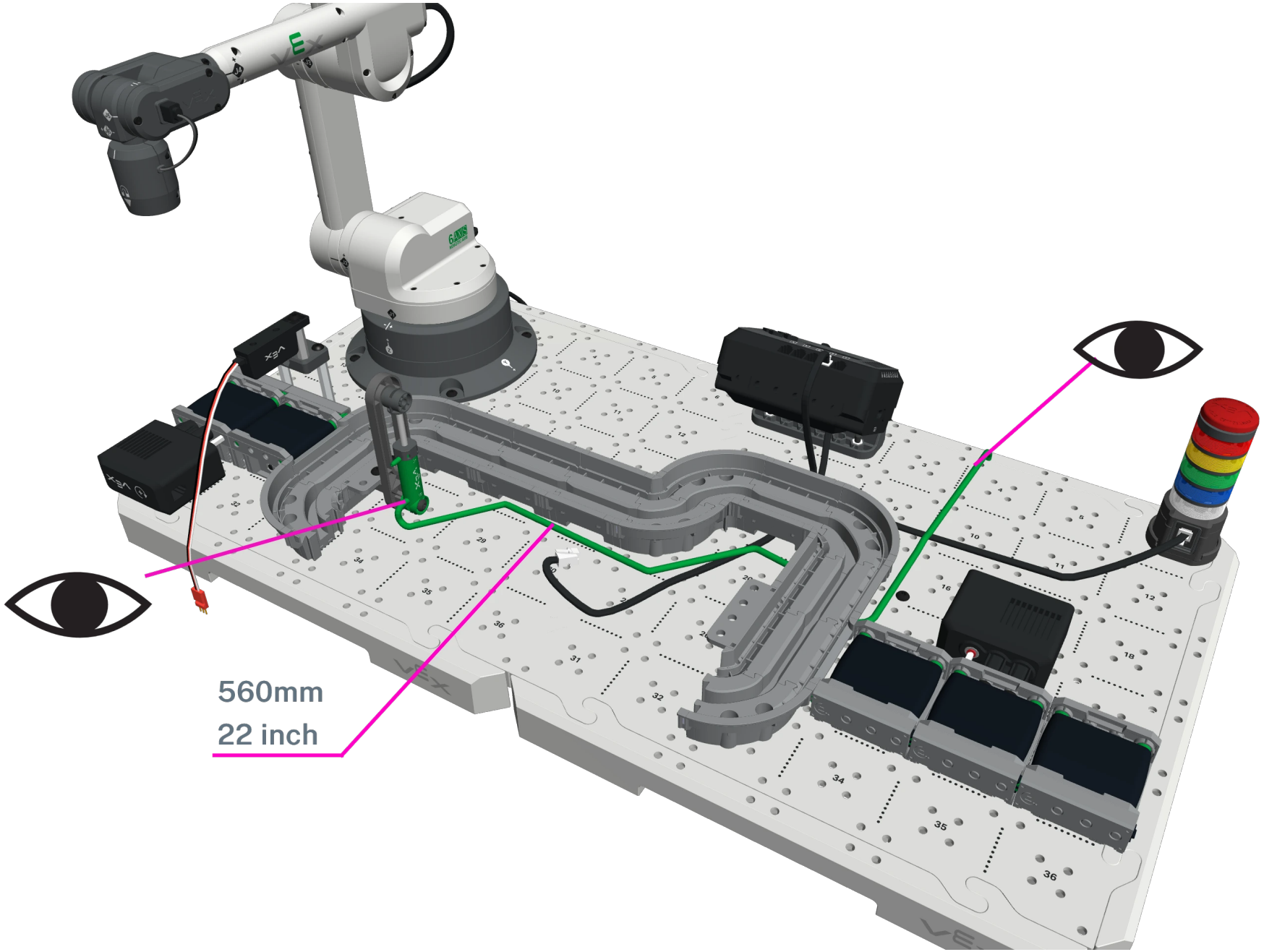


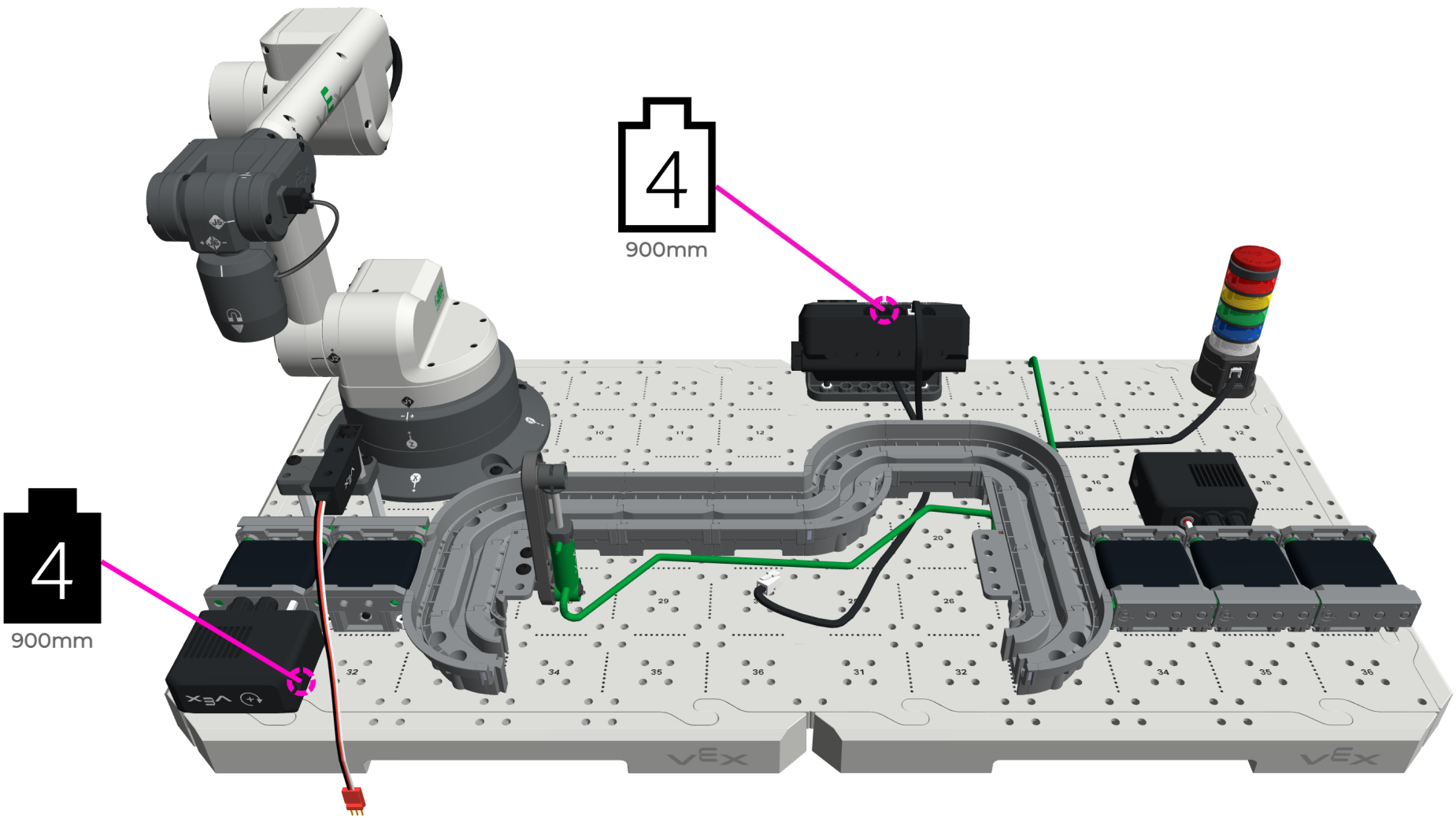


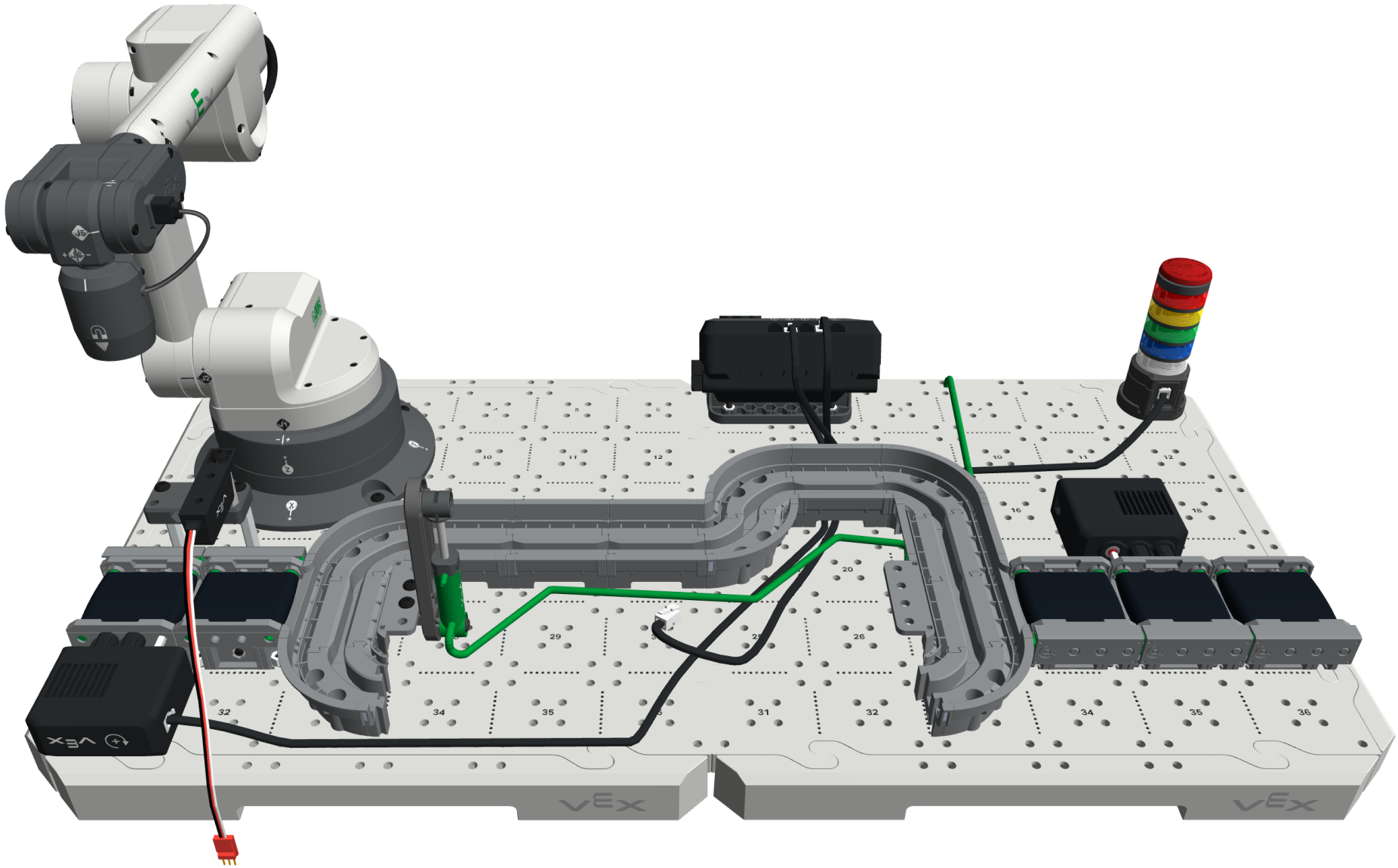


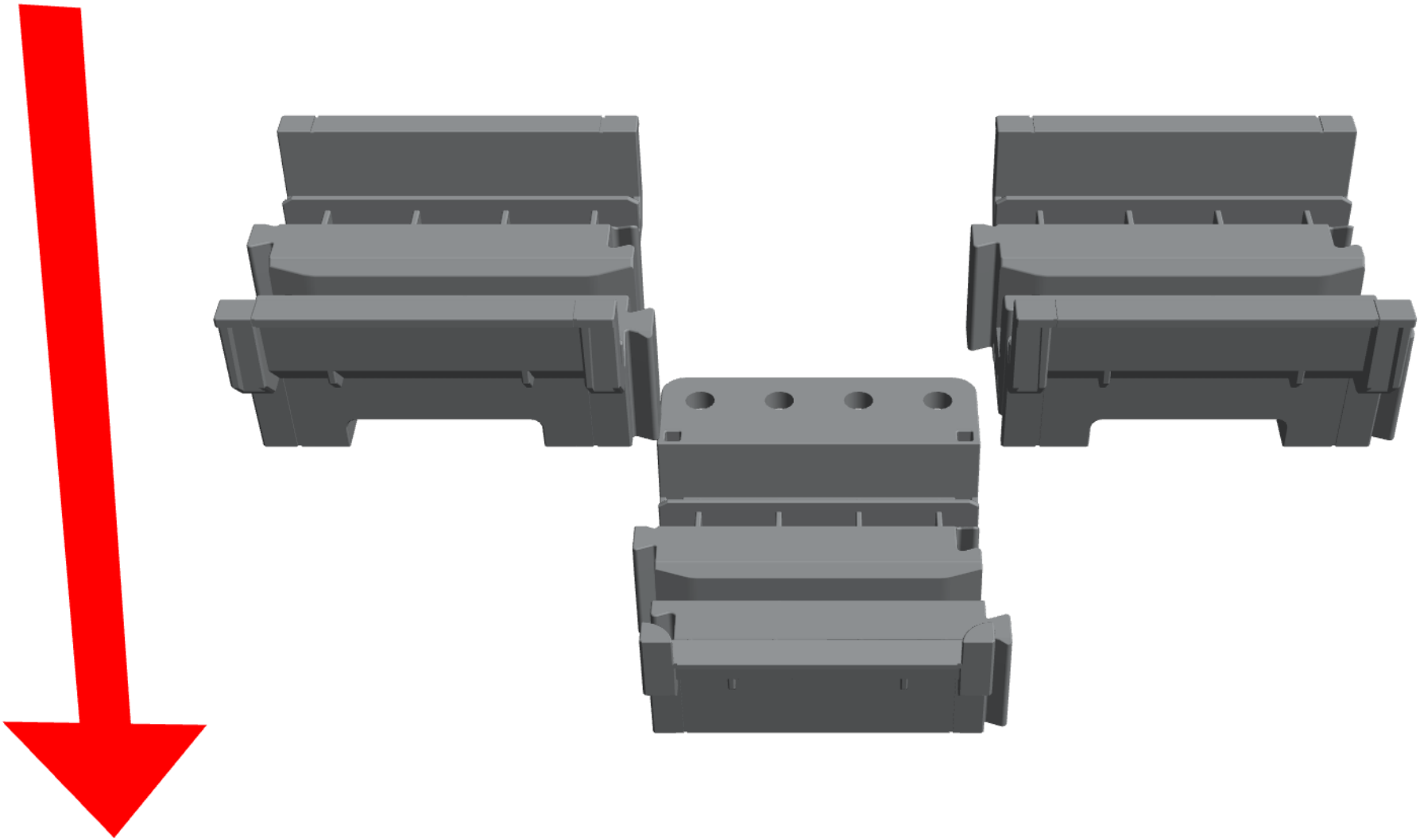


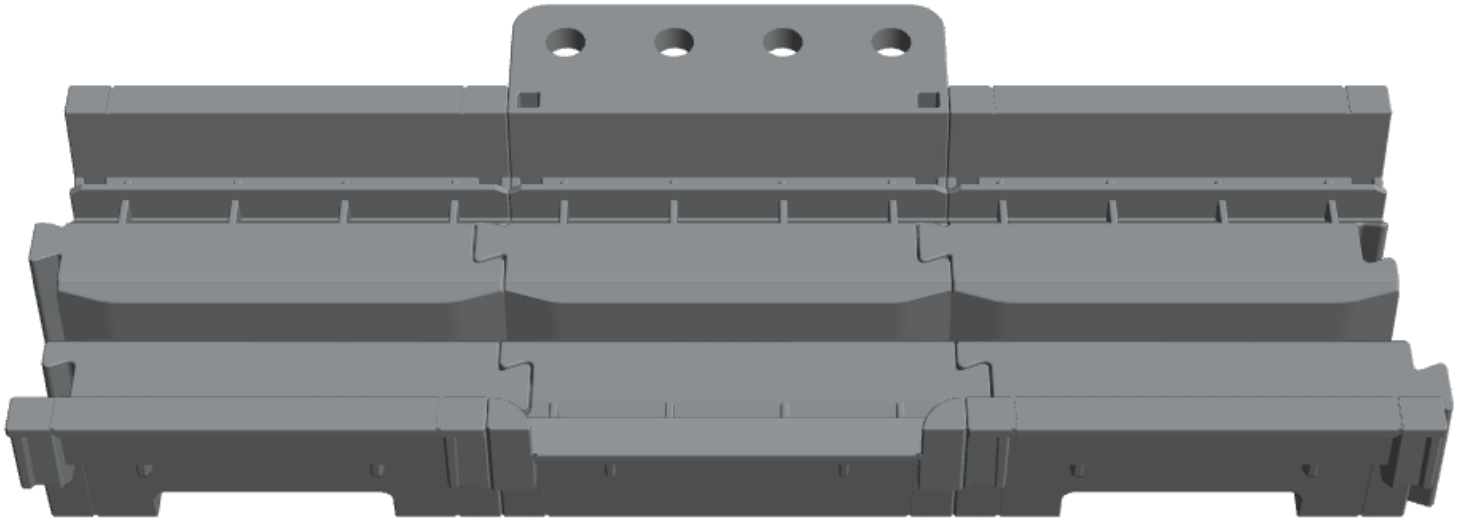


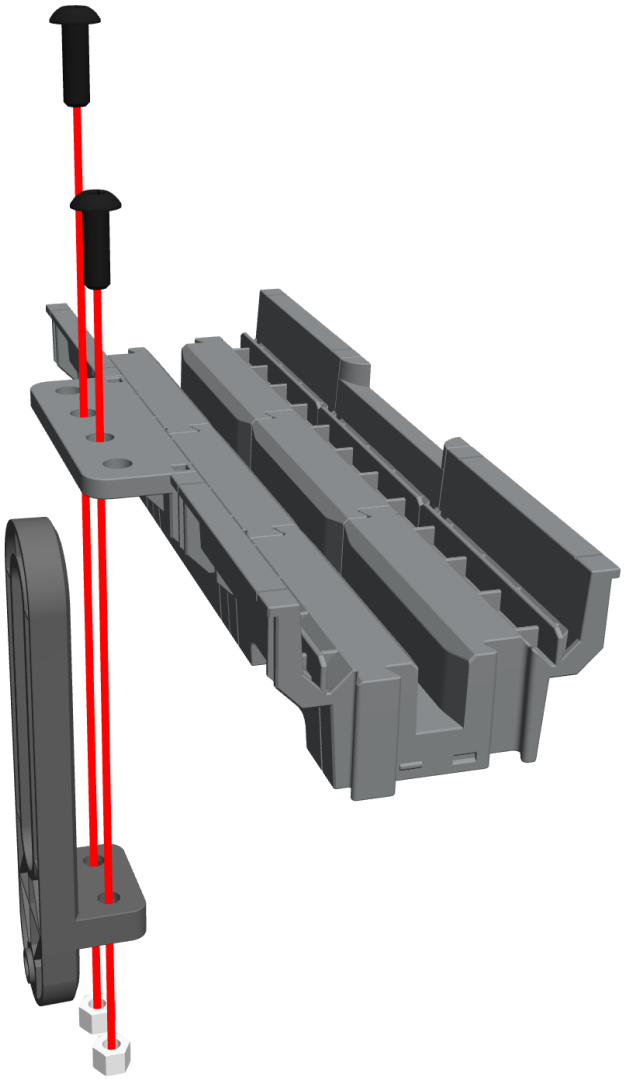

560mm
22 inch

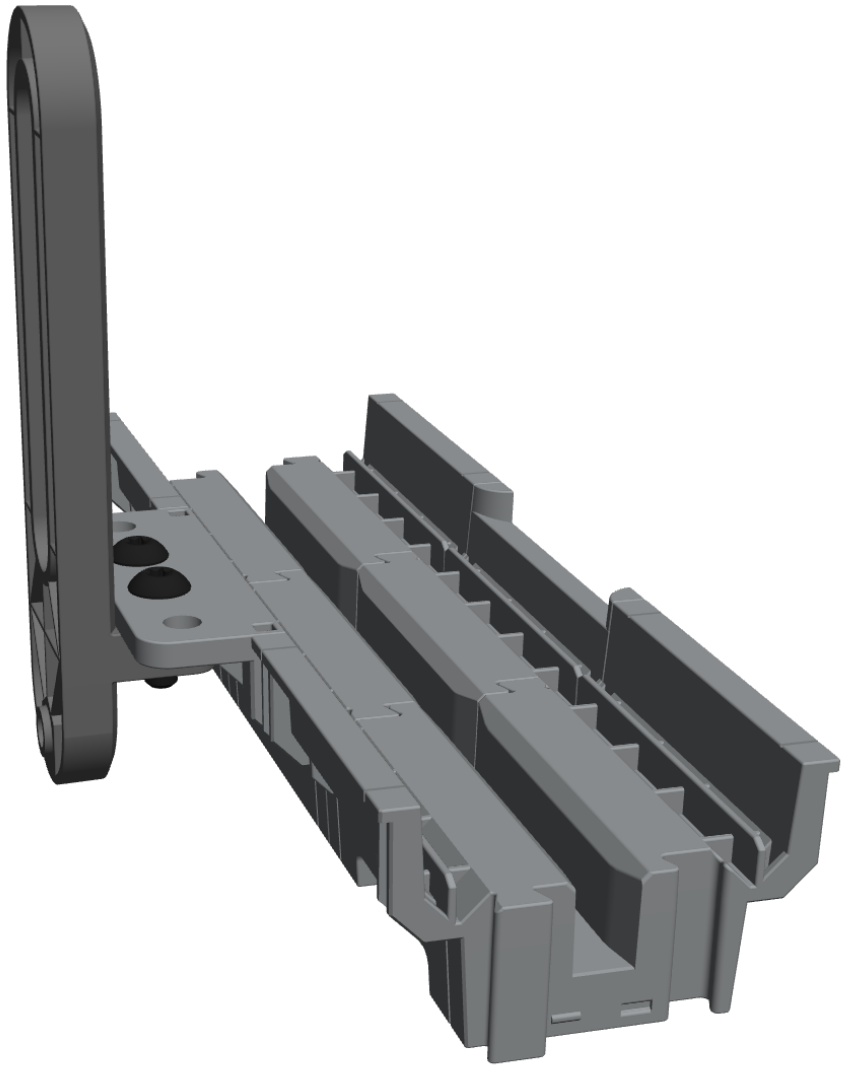

4
900mm
4
900mm

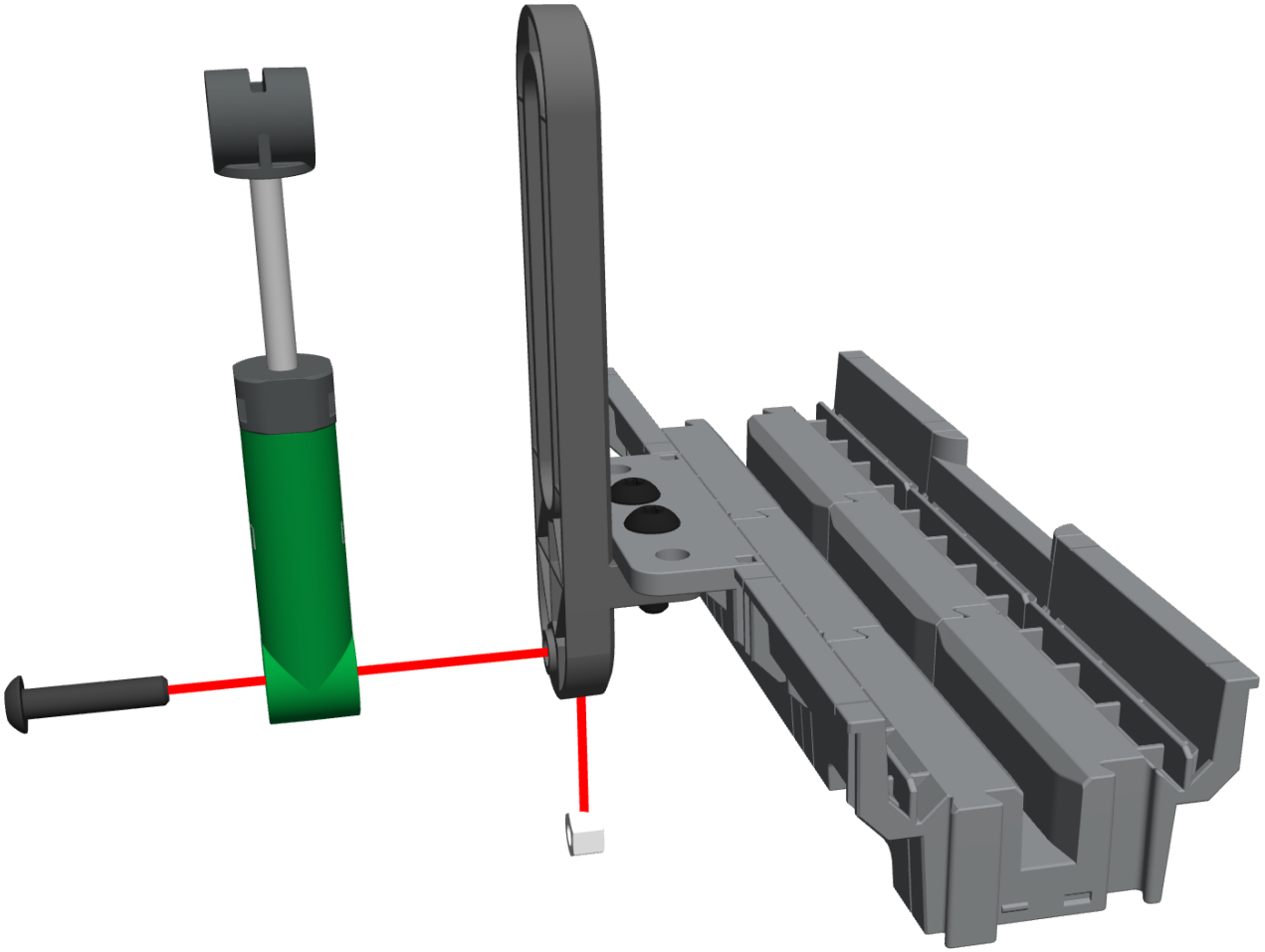


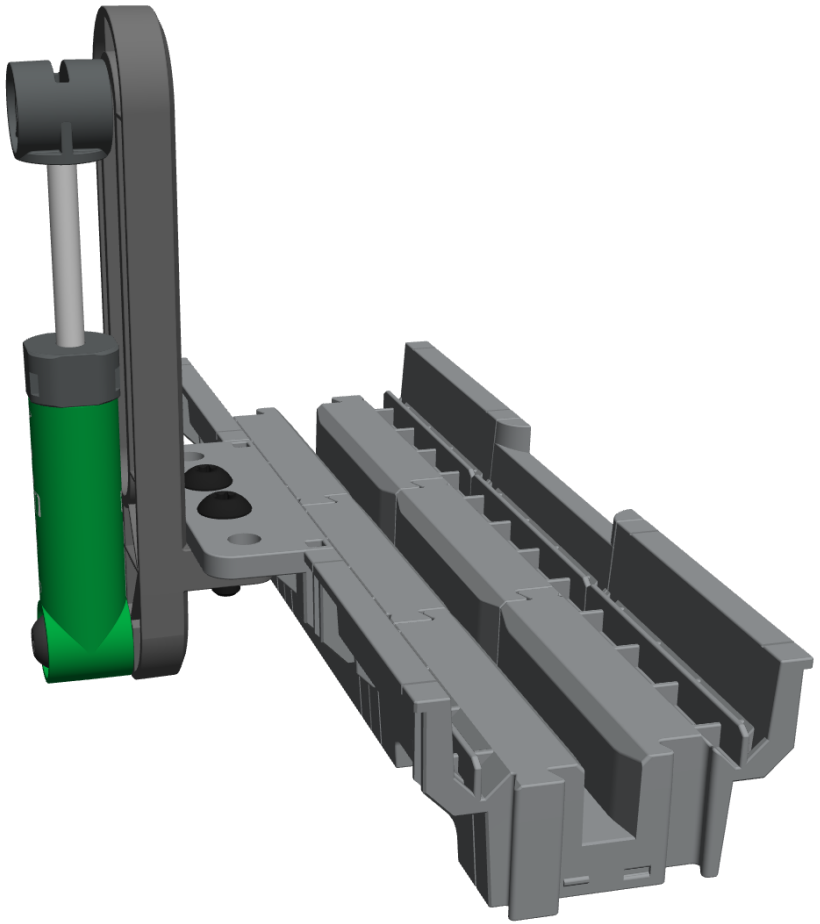


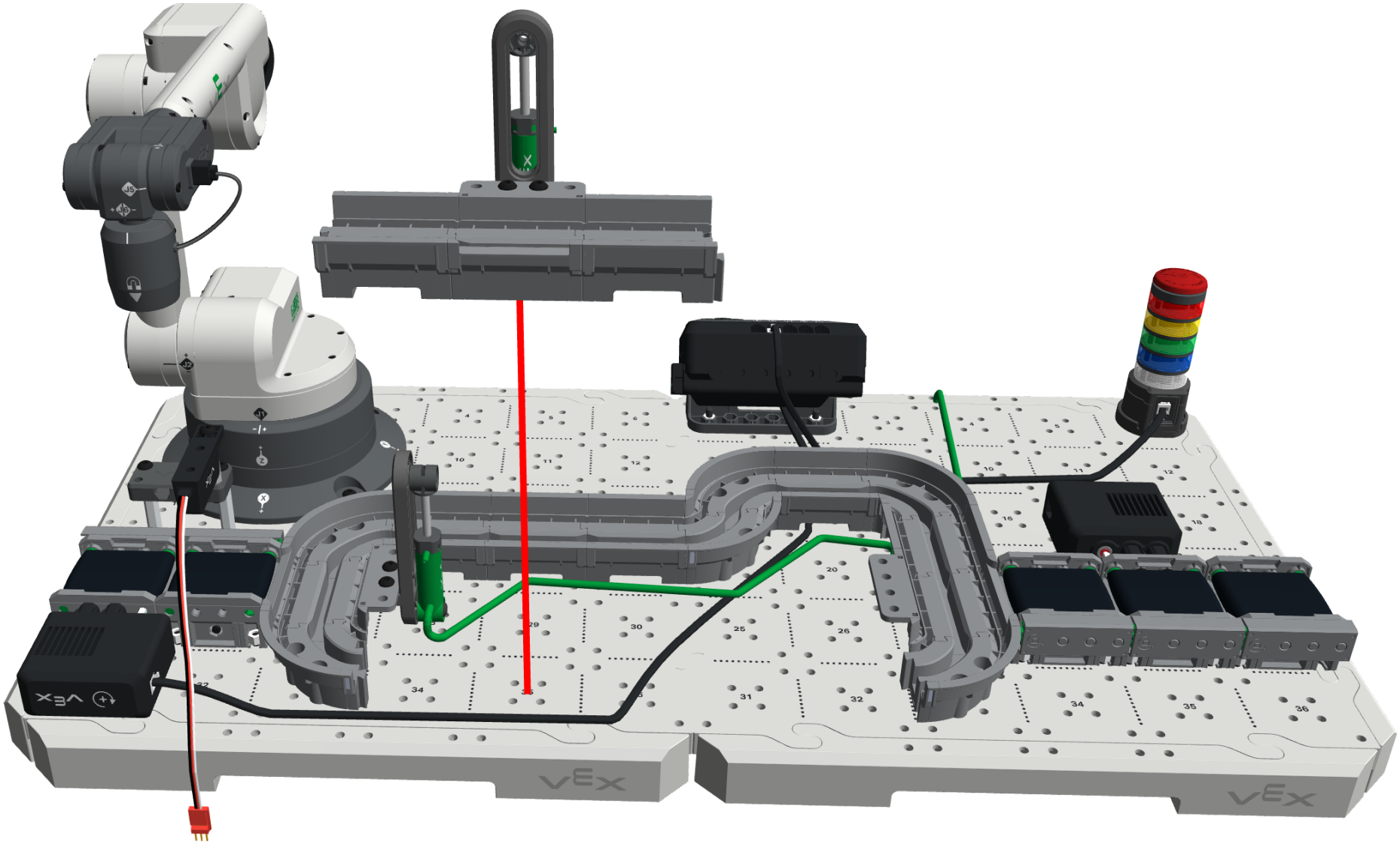


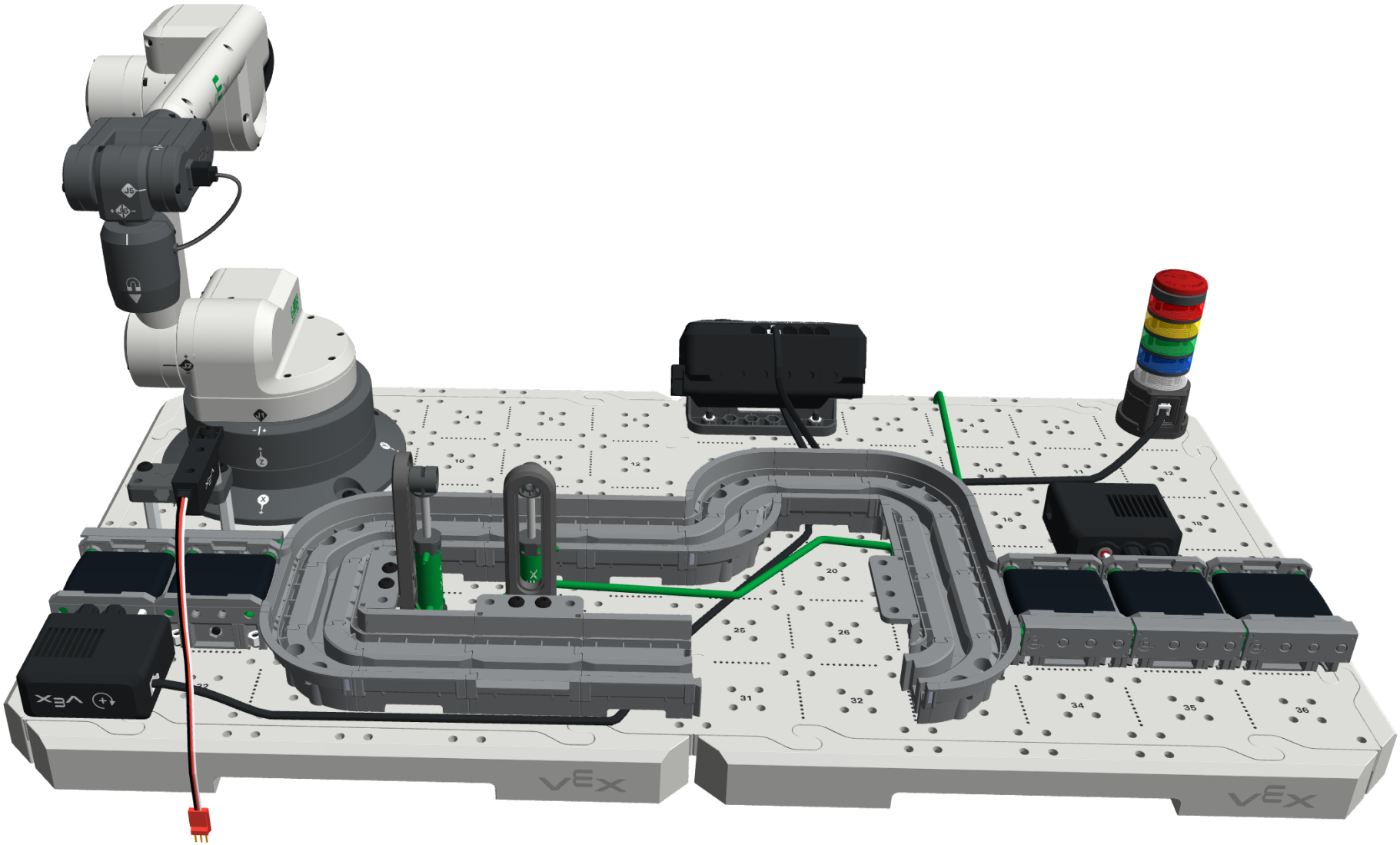


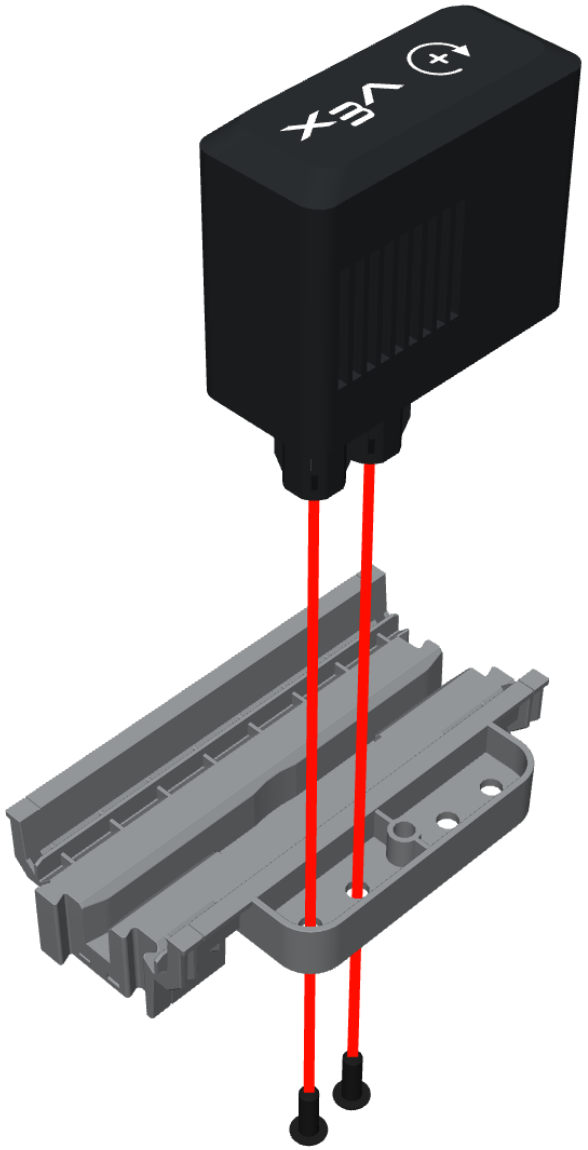


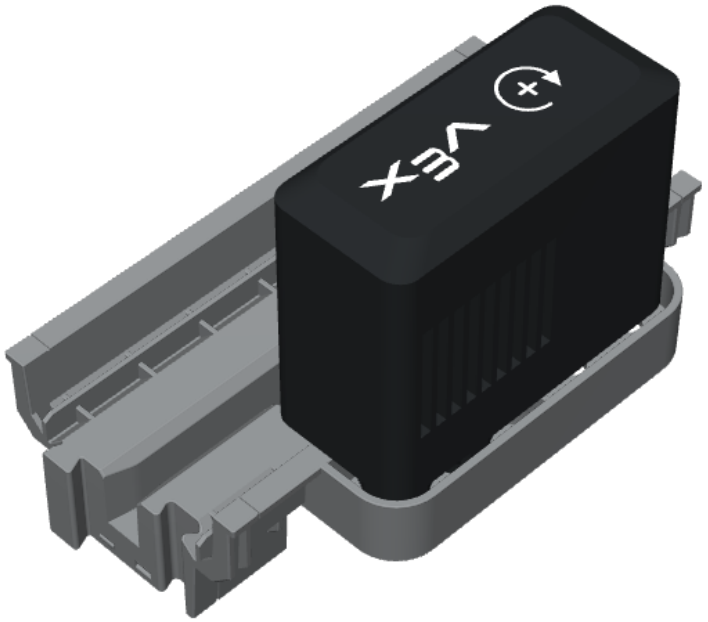




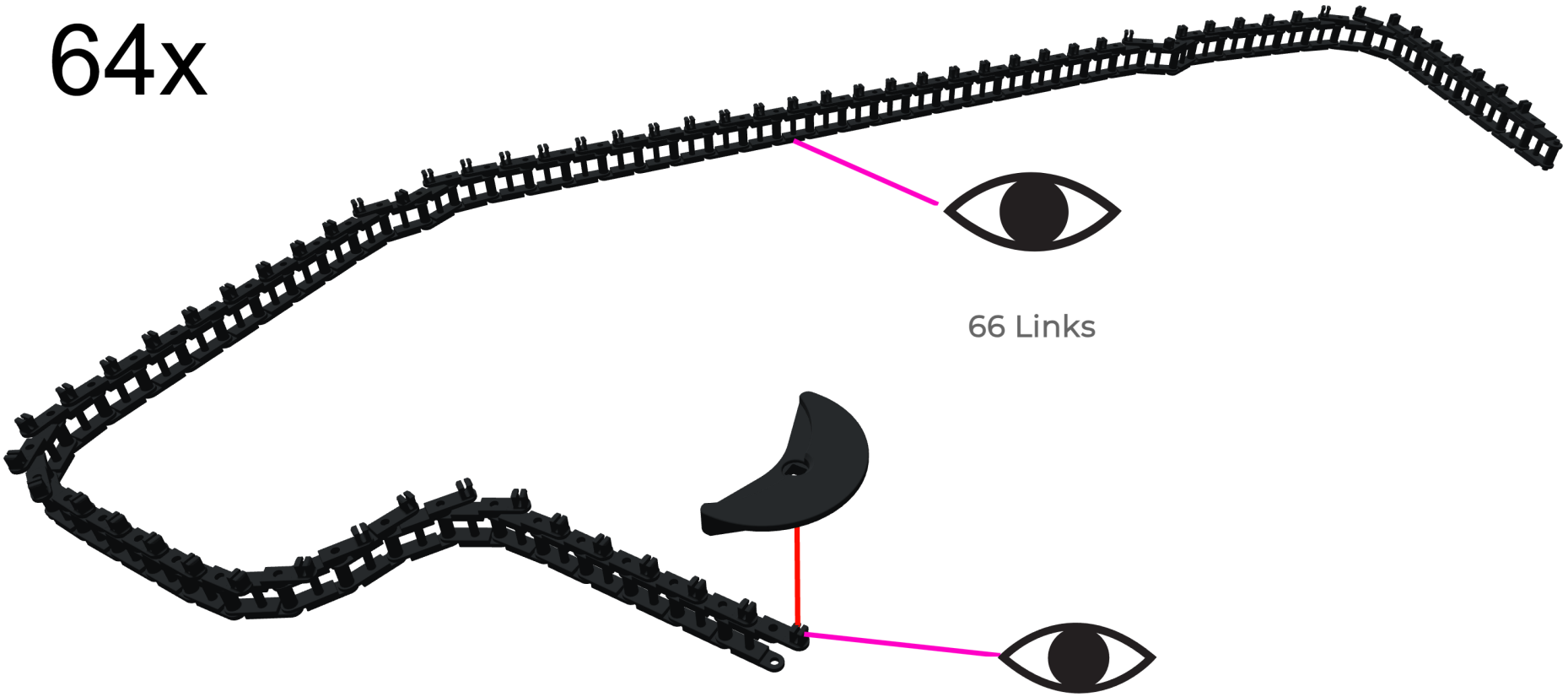

VEX
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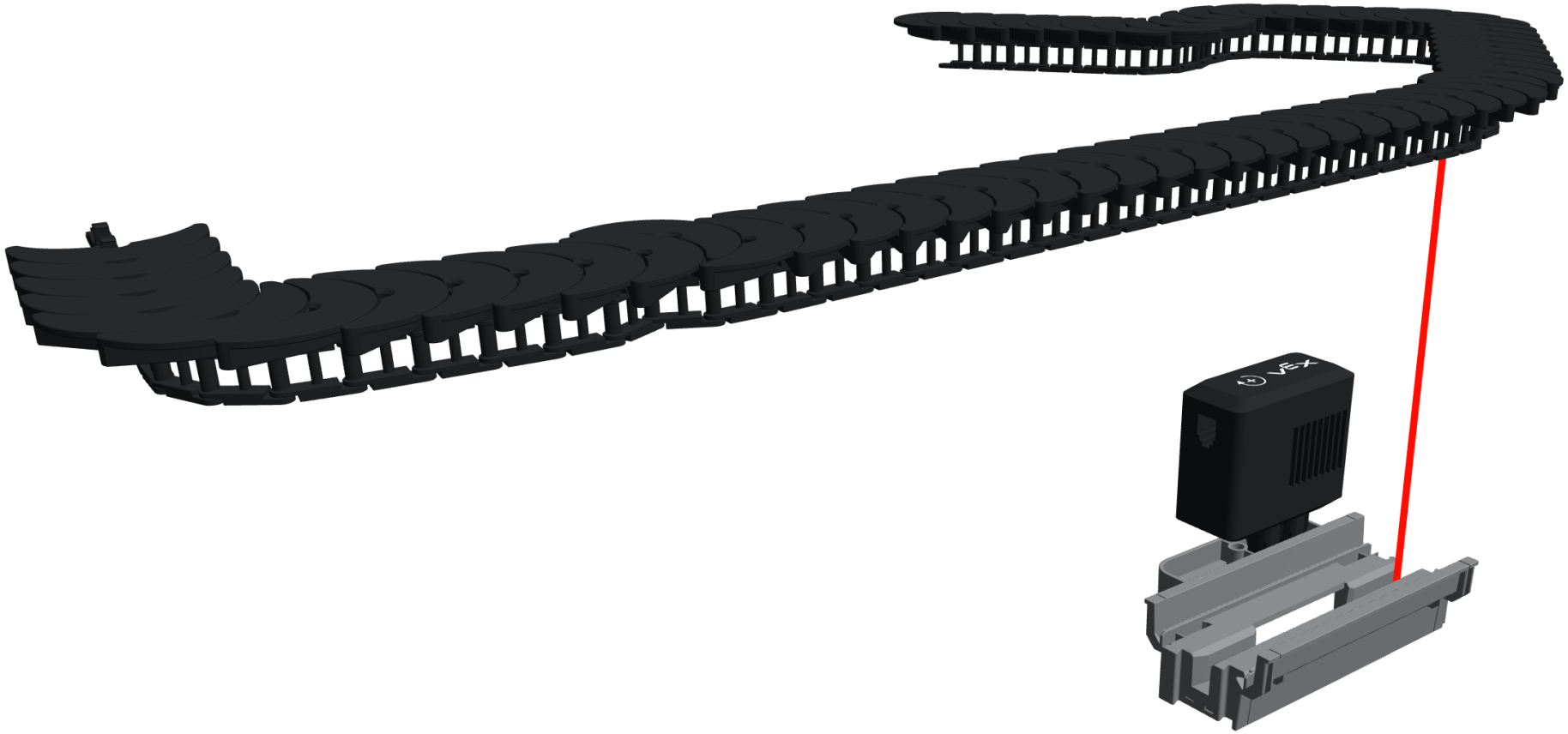

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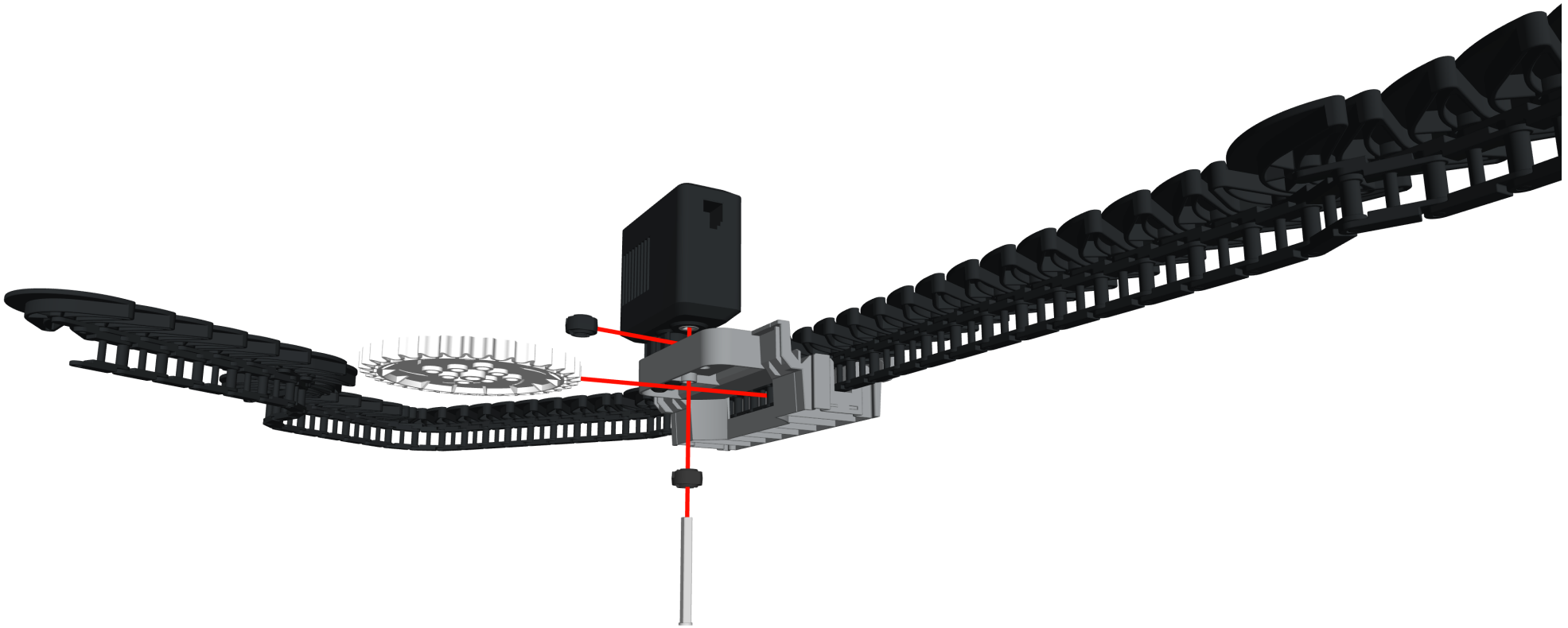
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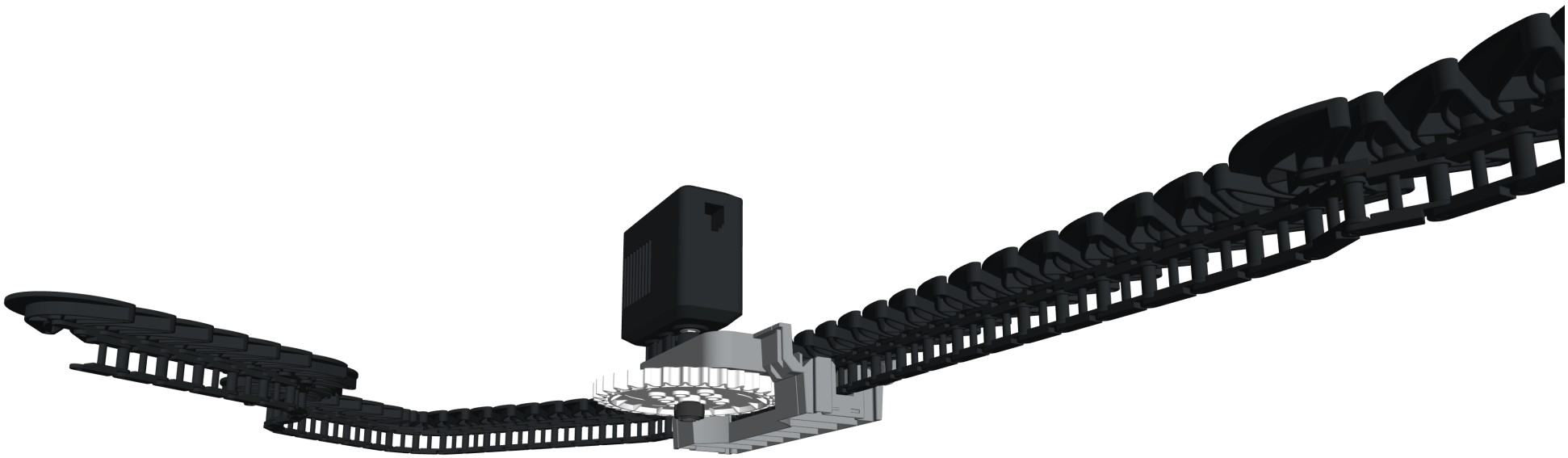


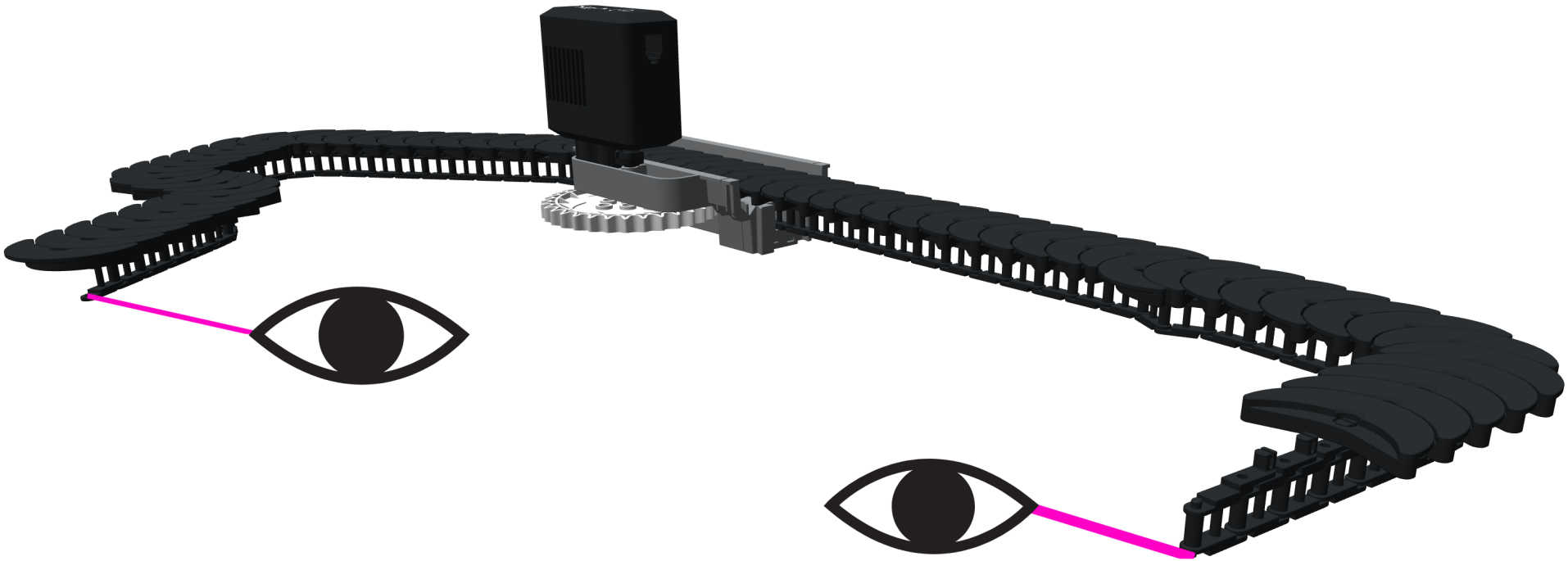


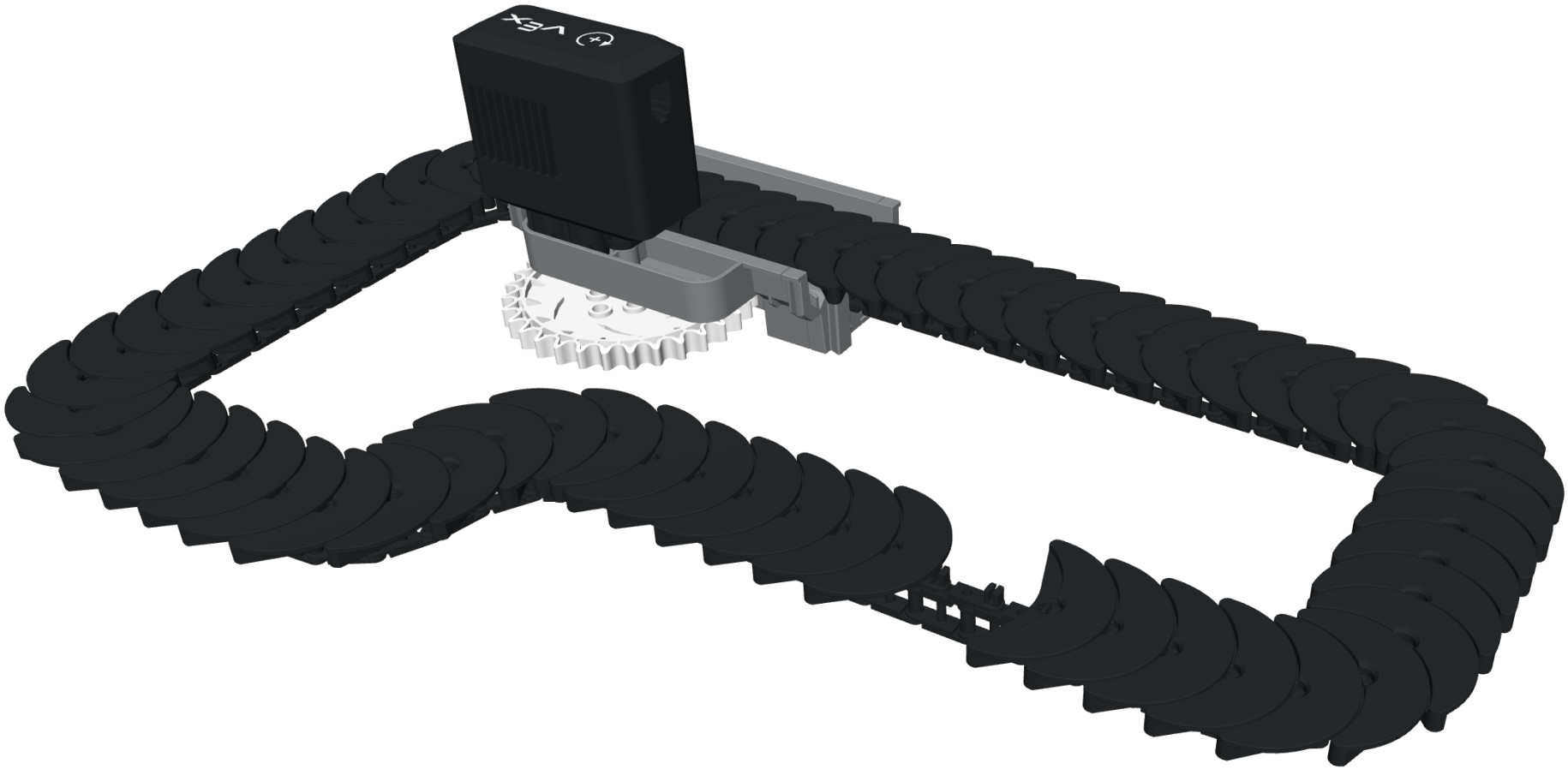

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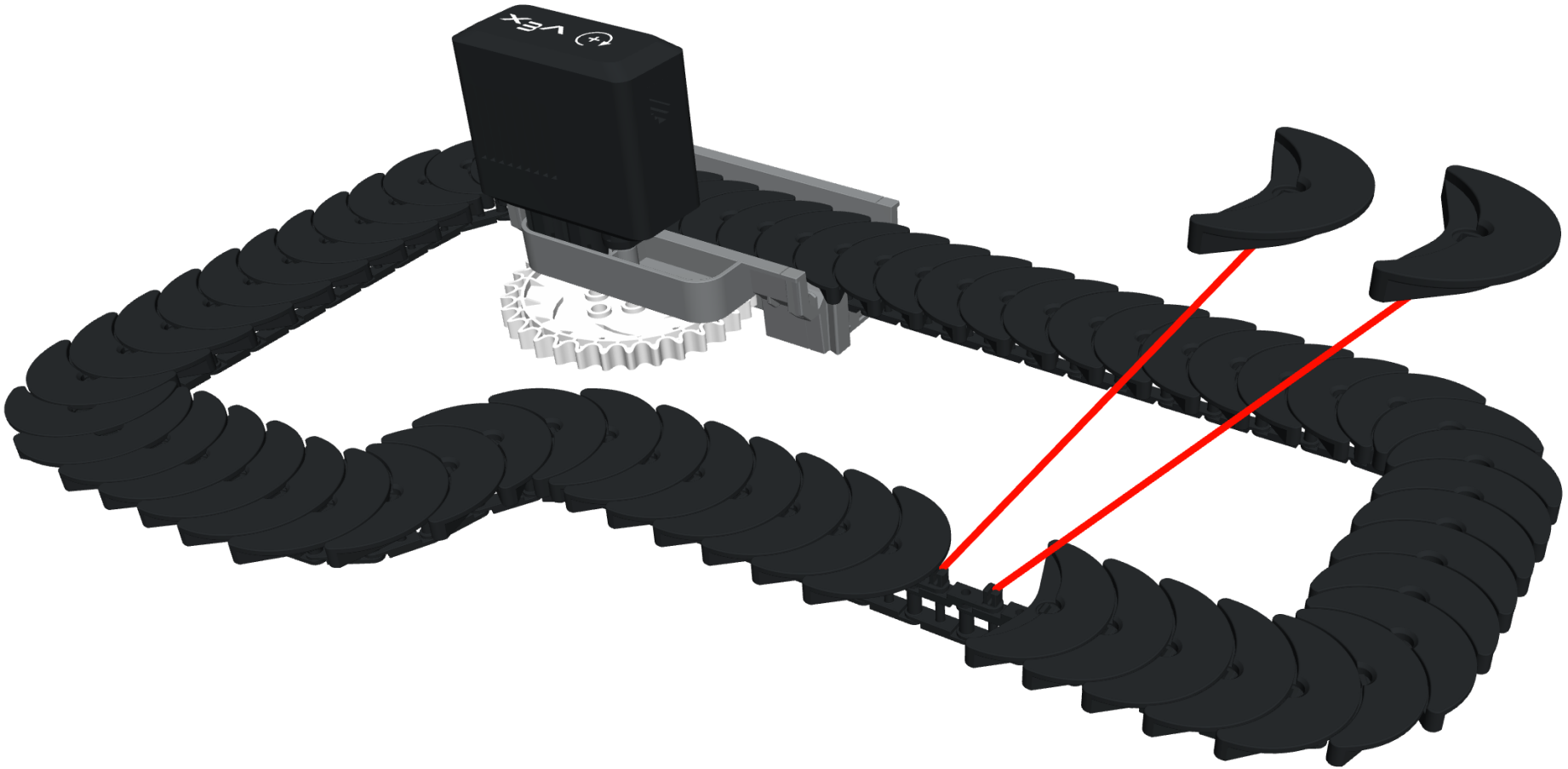

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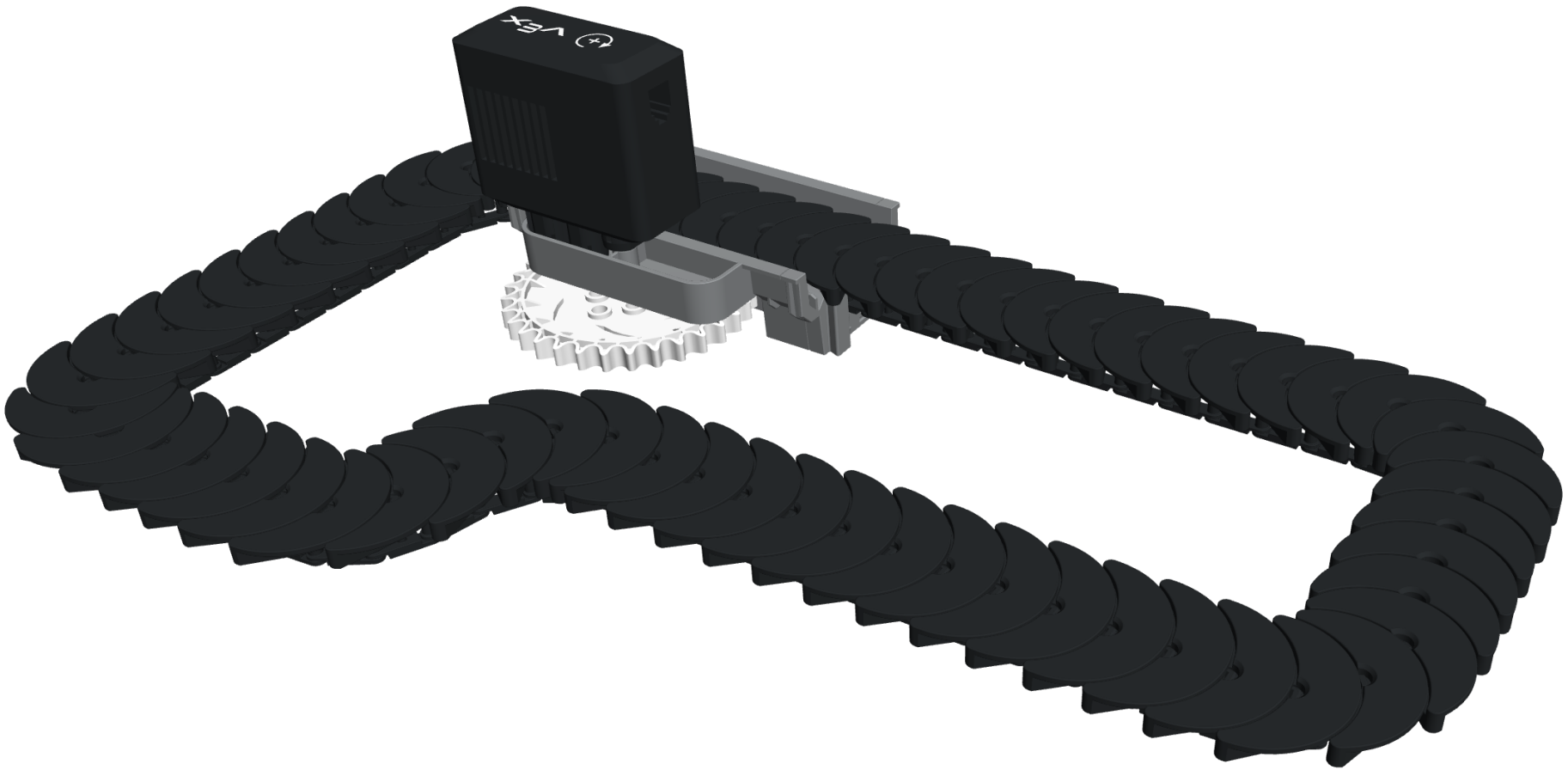


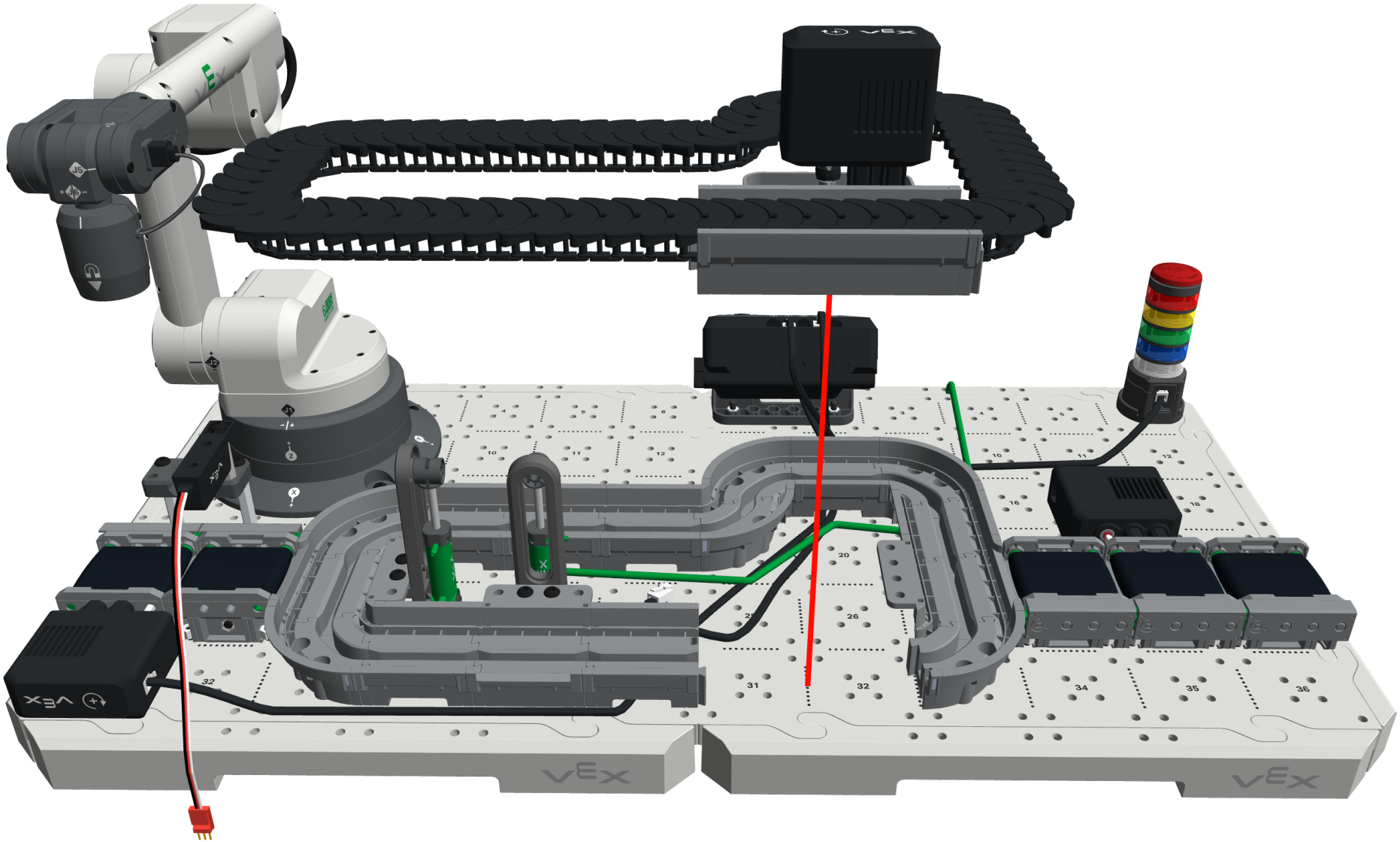


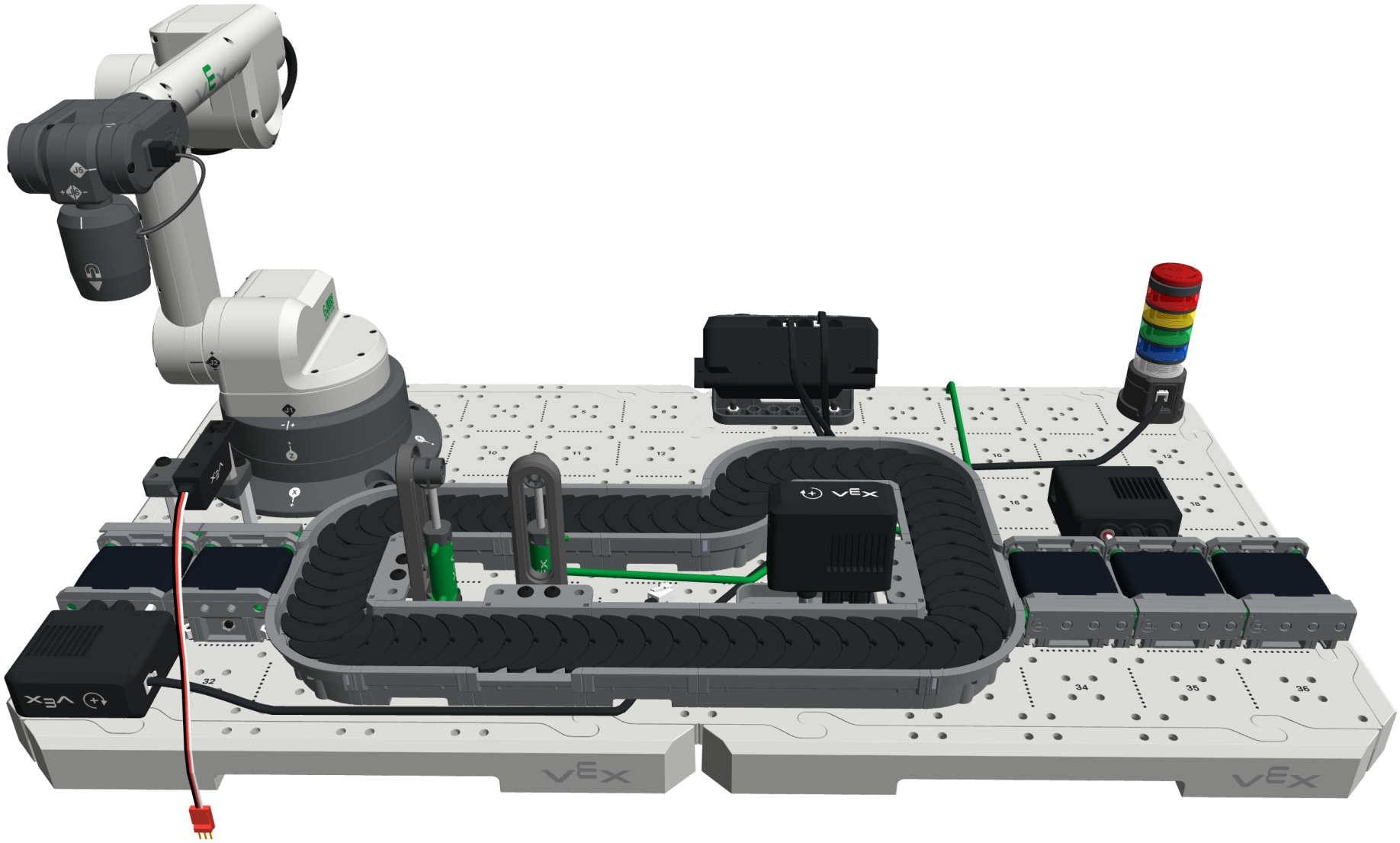


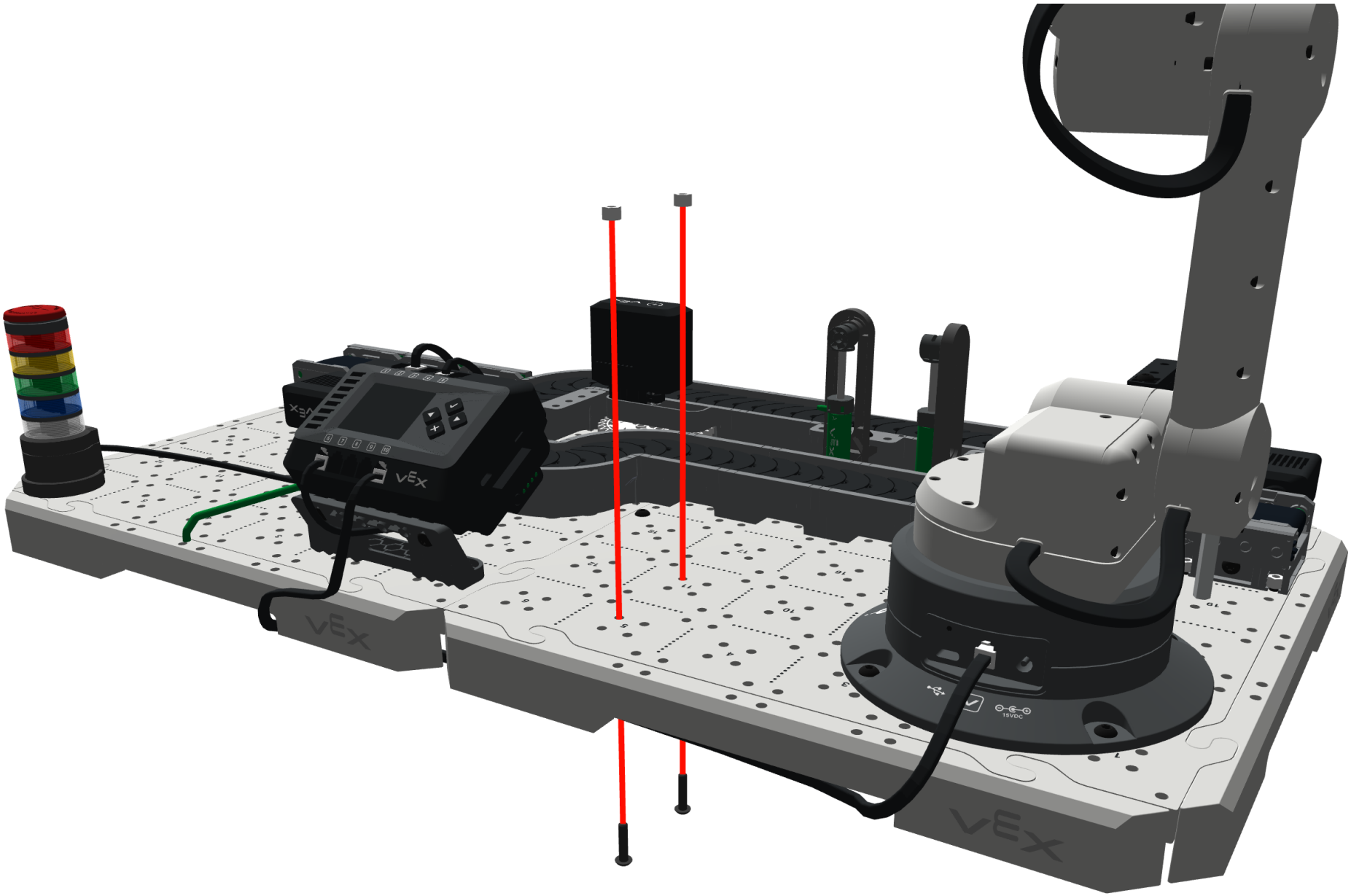

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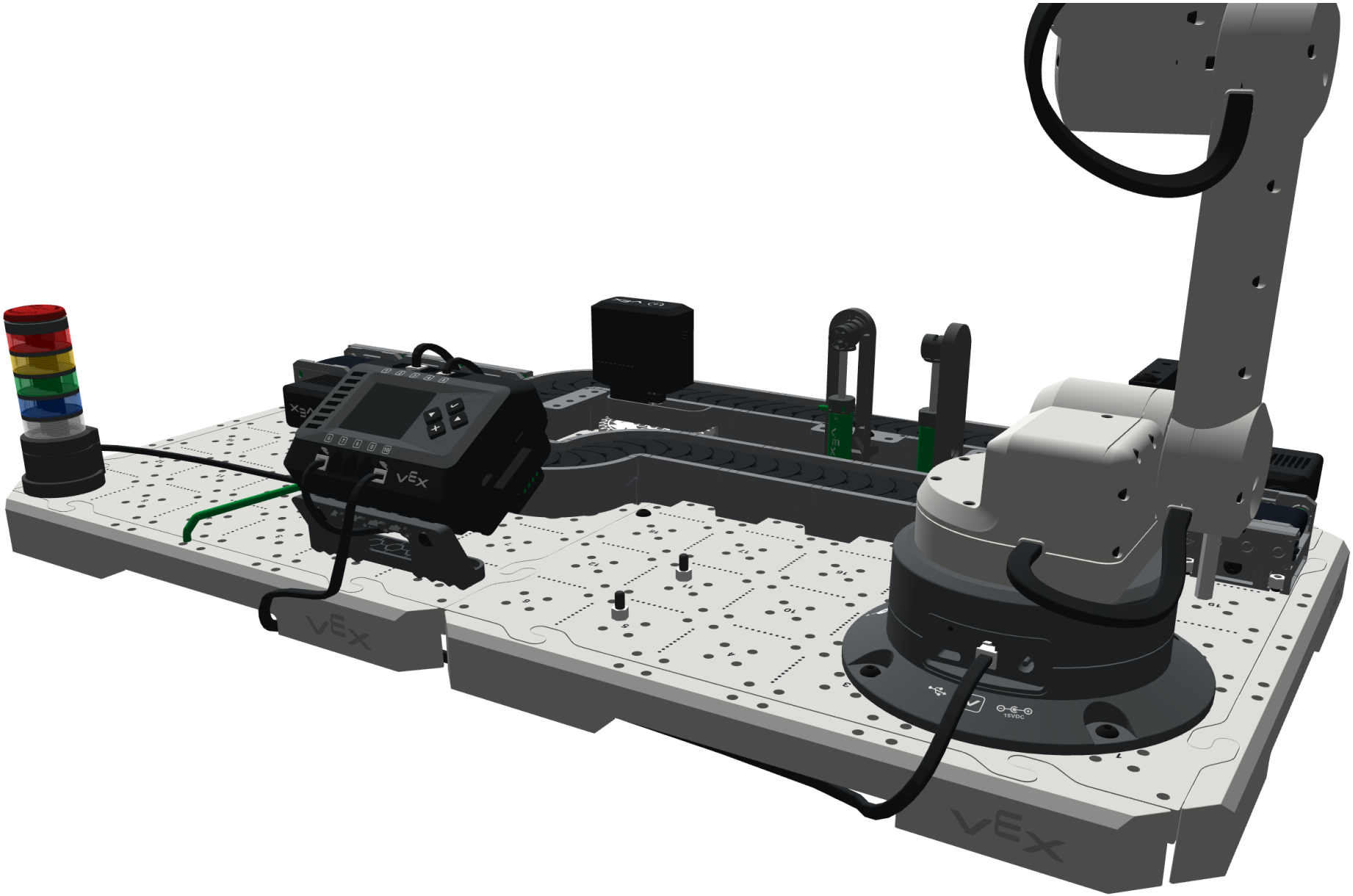

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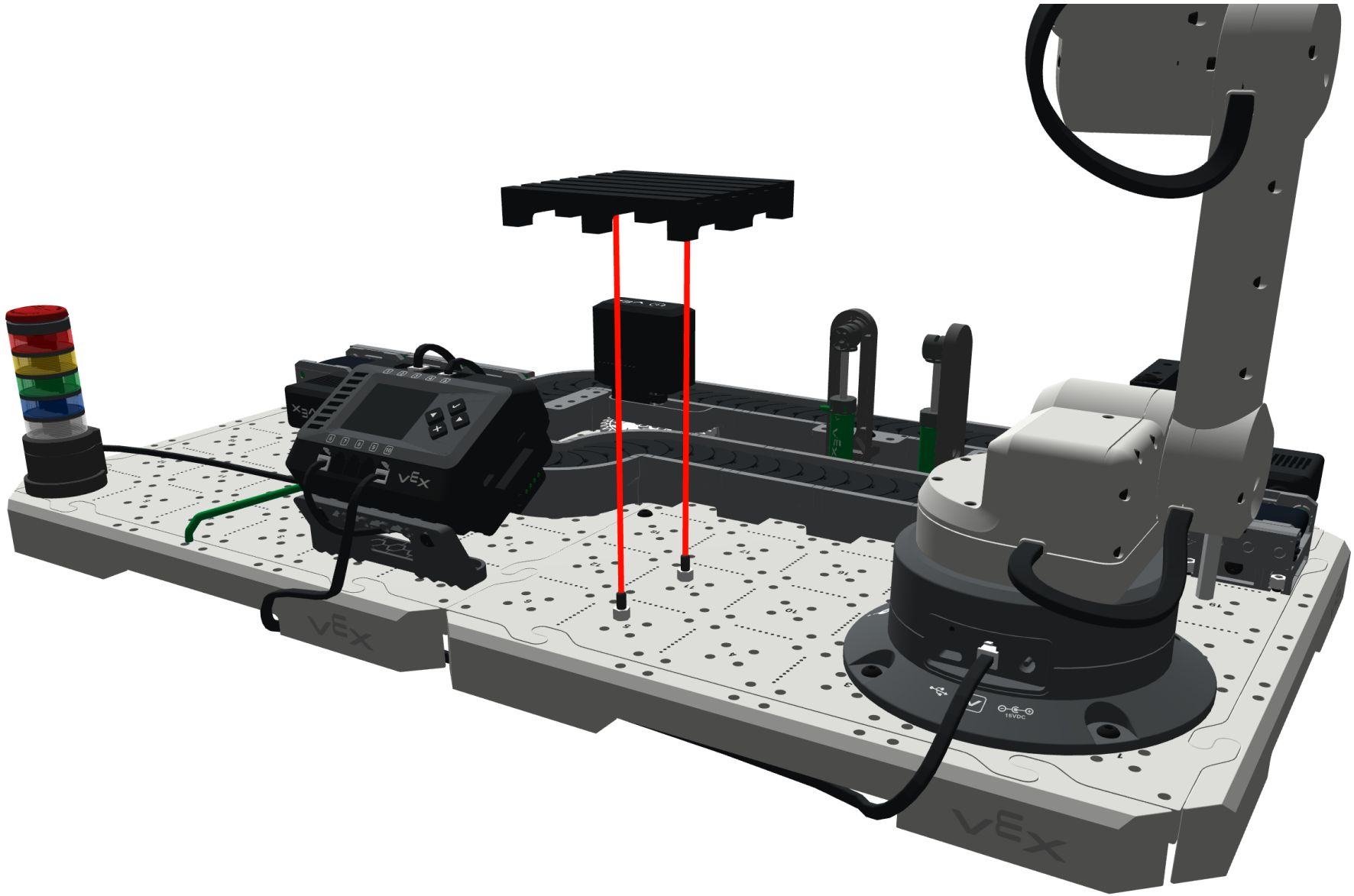

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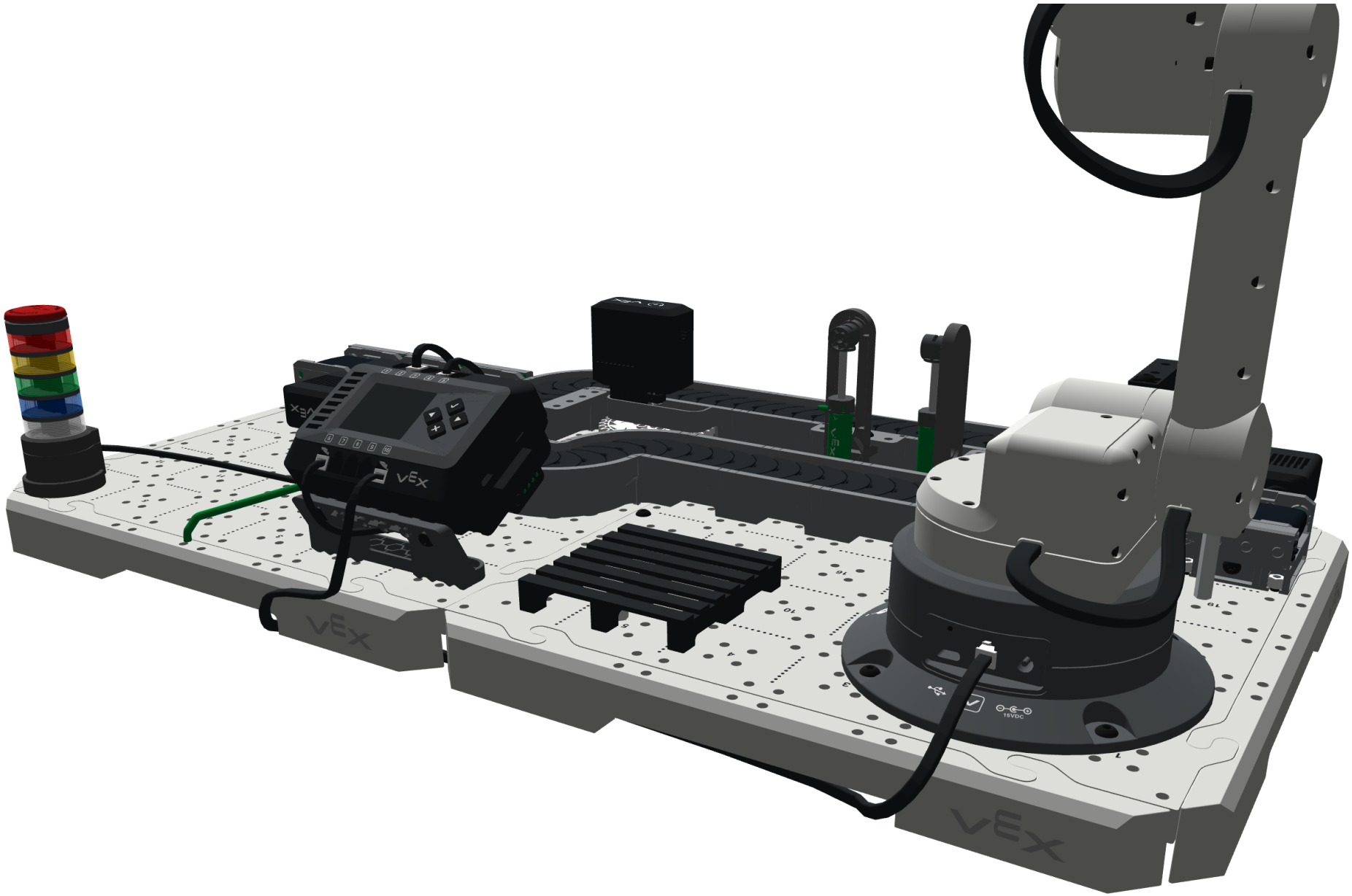

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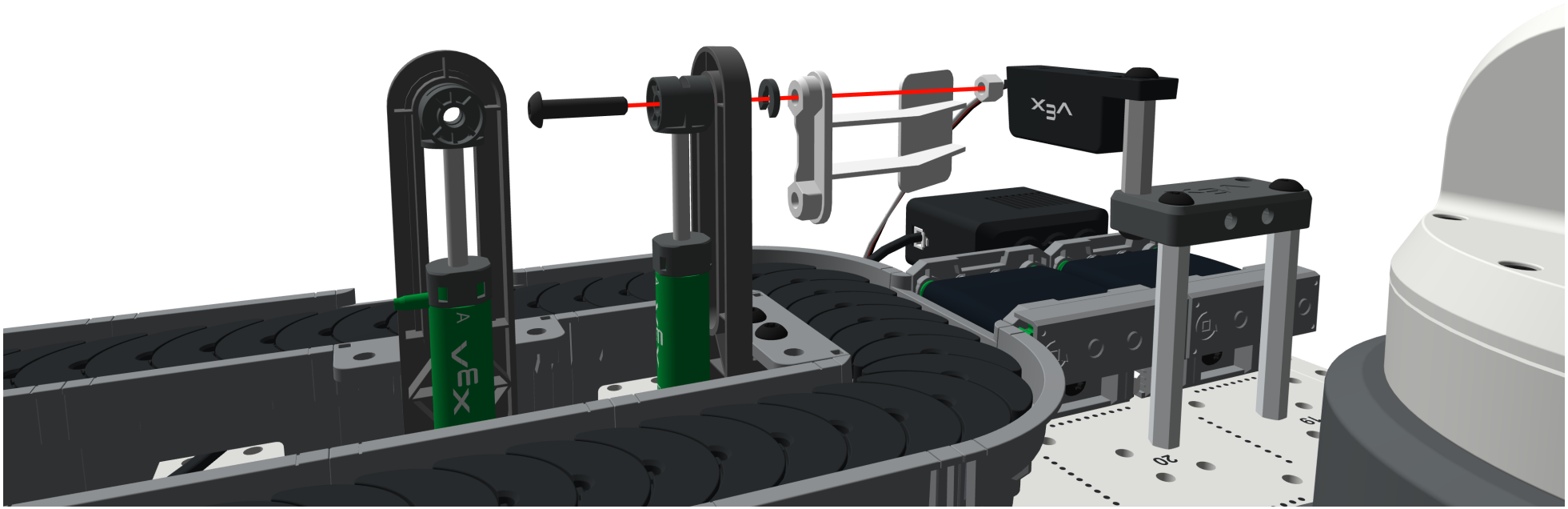

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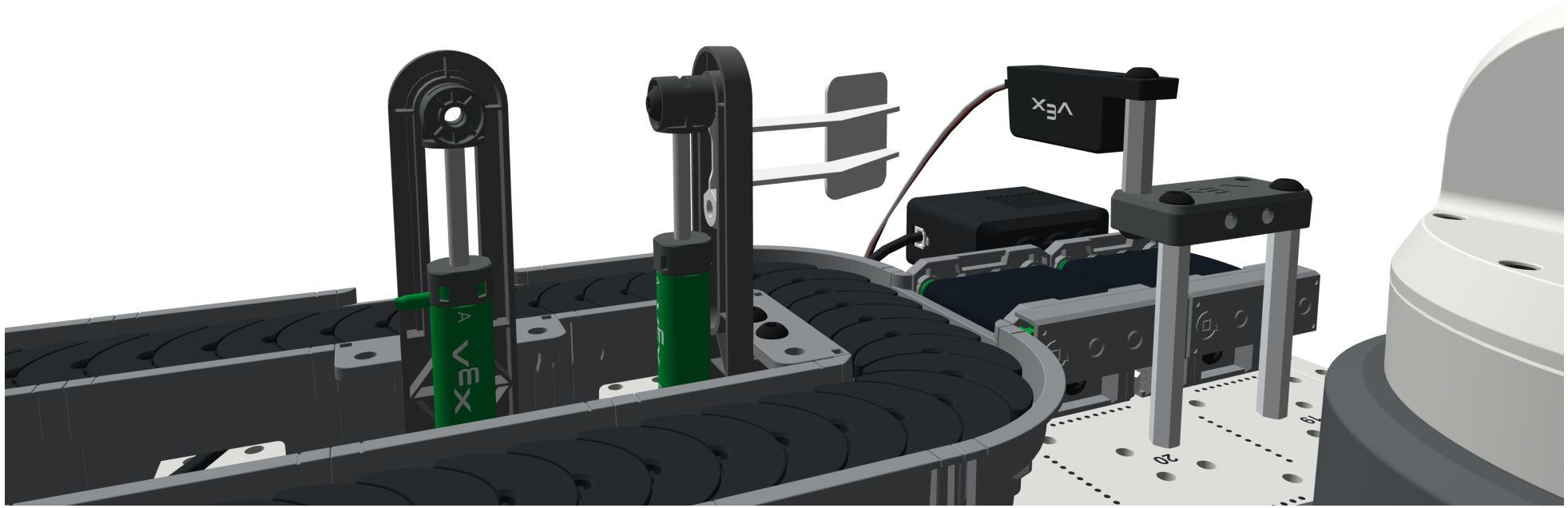

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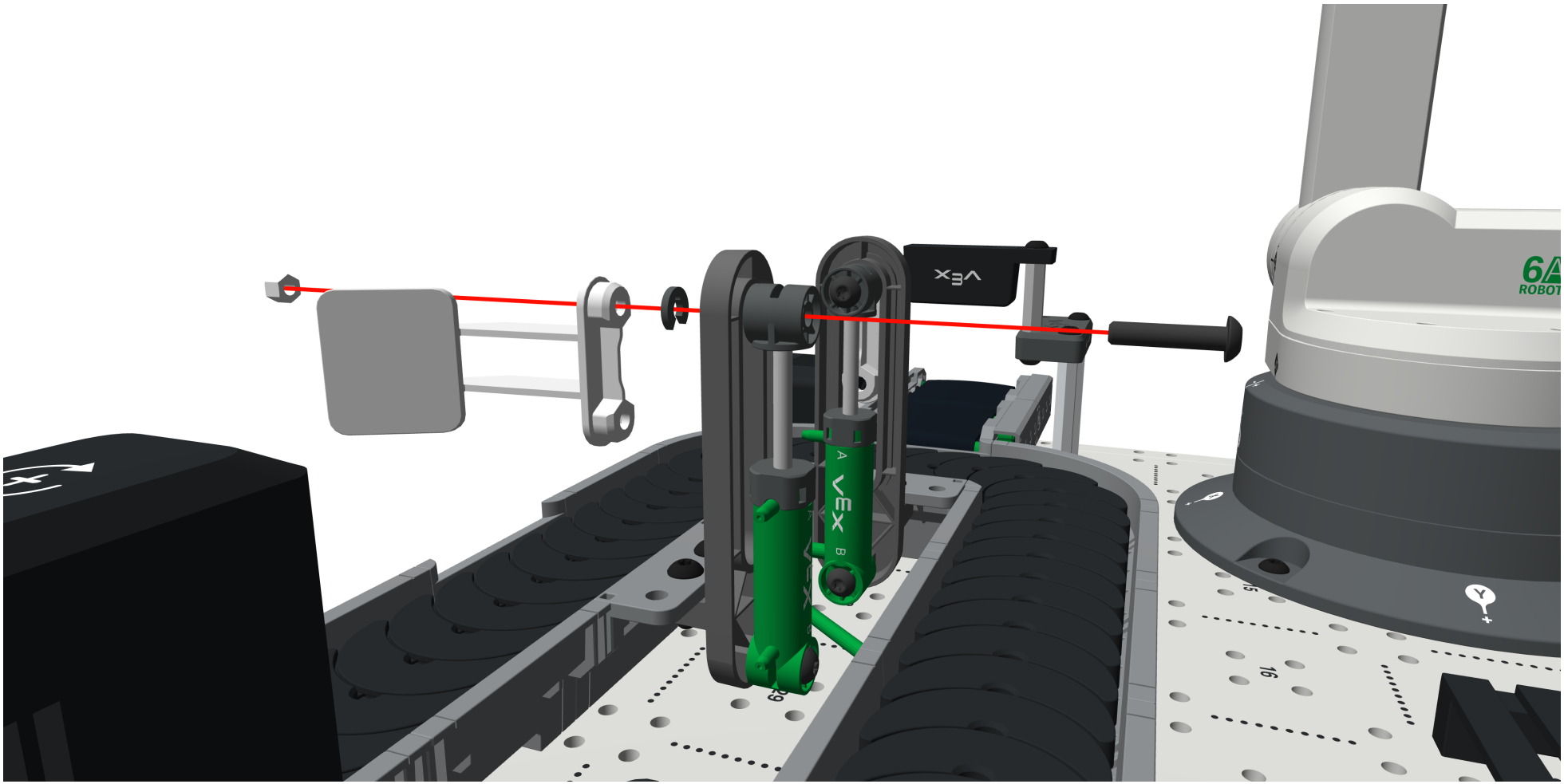

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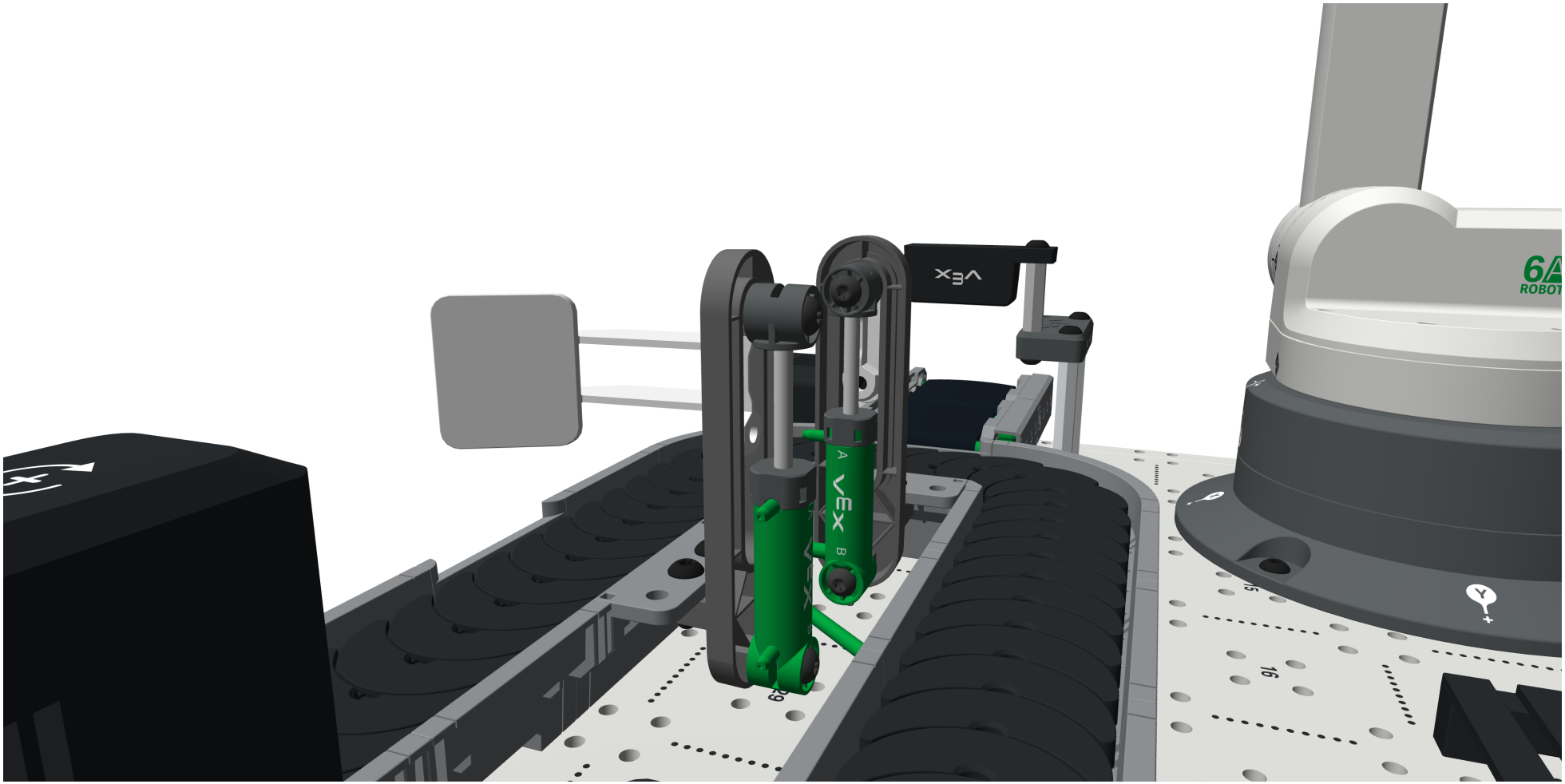

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15VDC

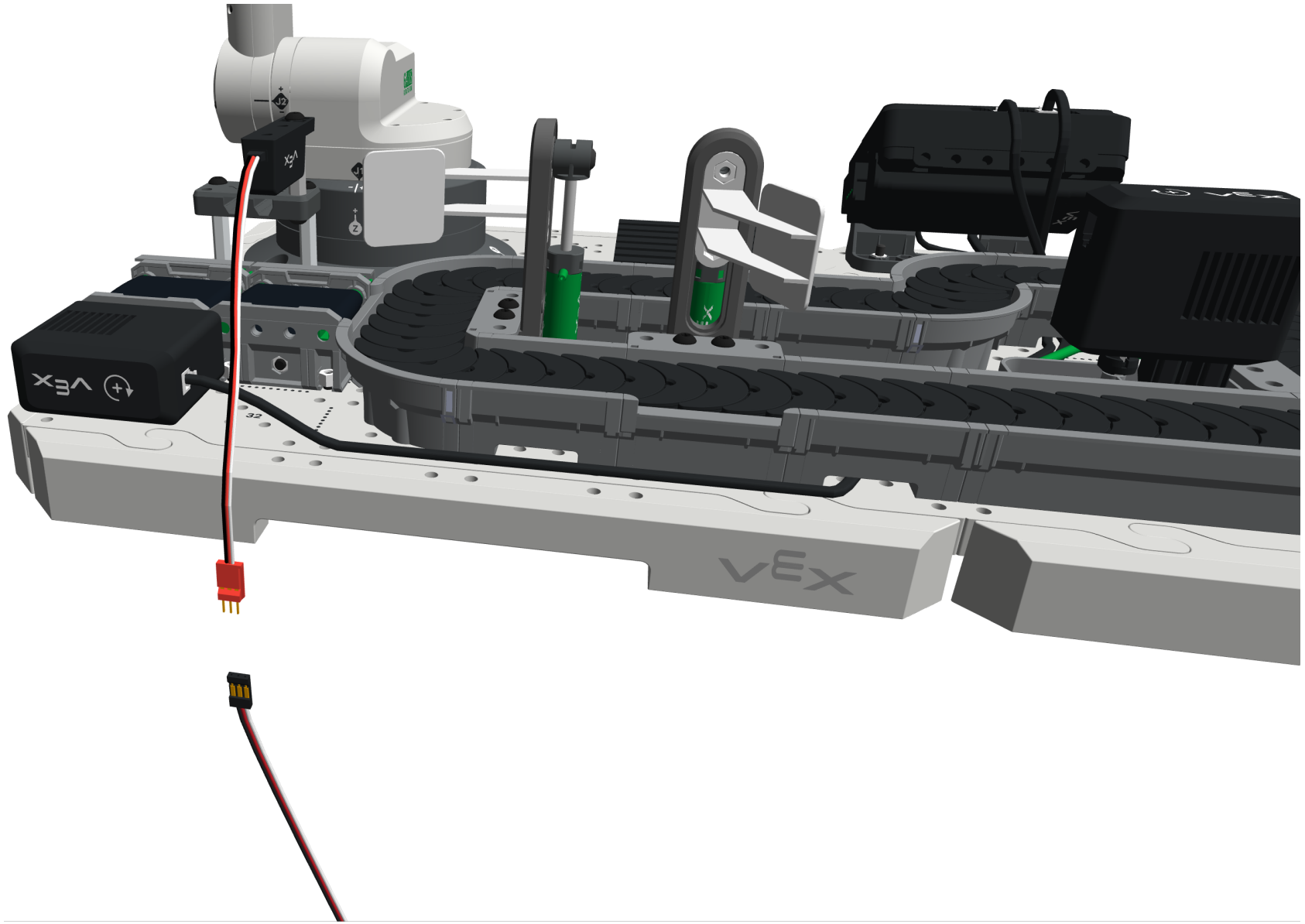

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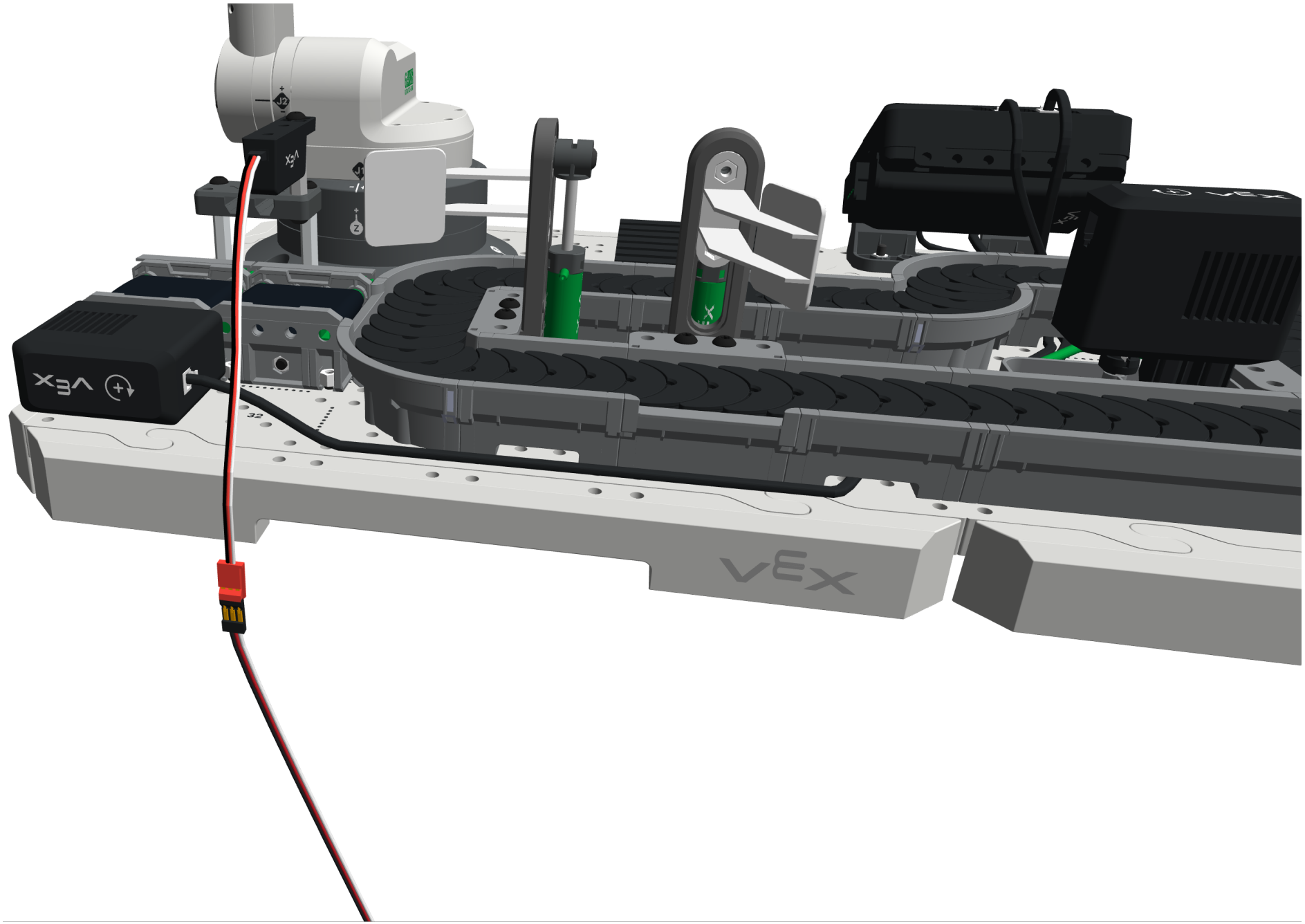

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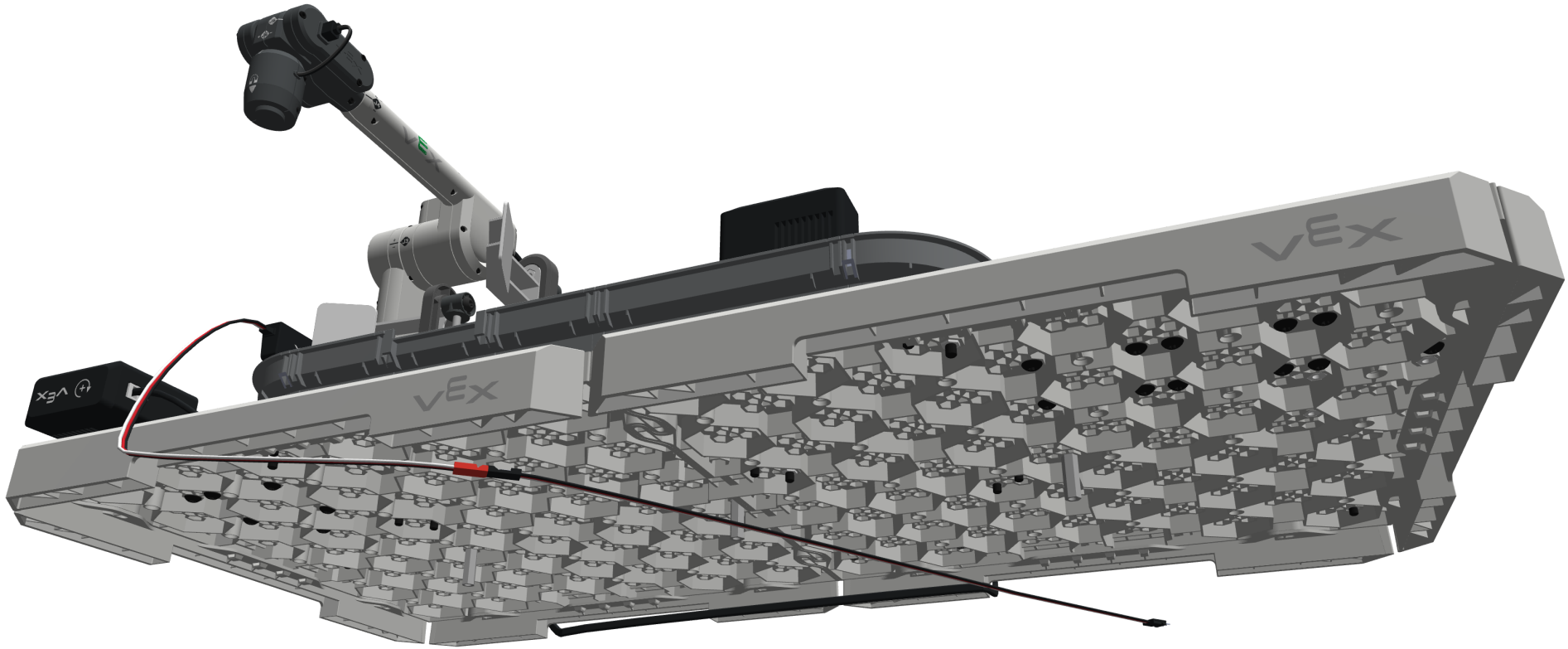

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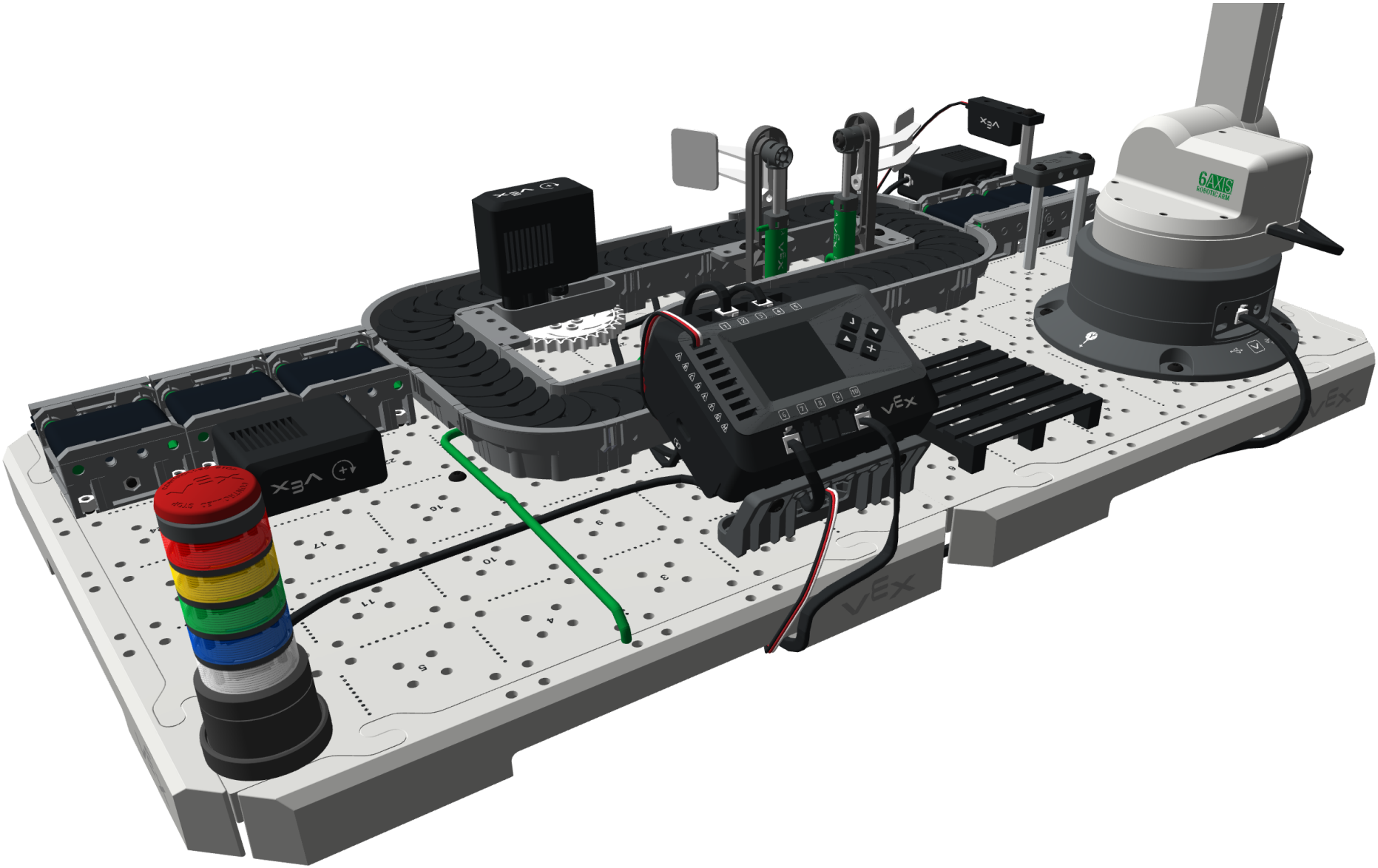


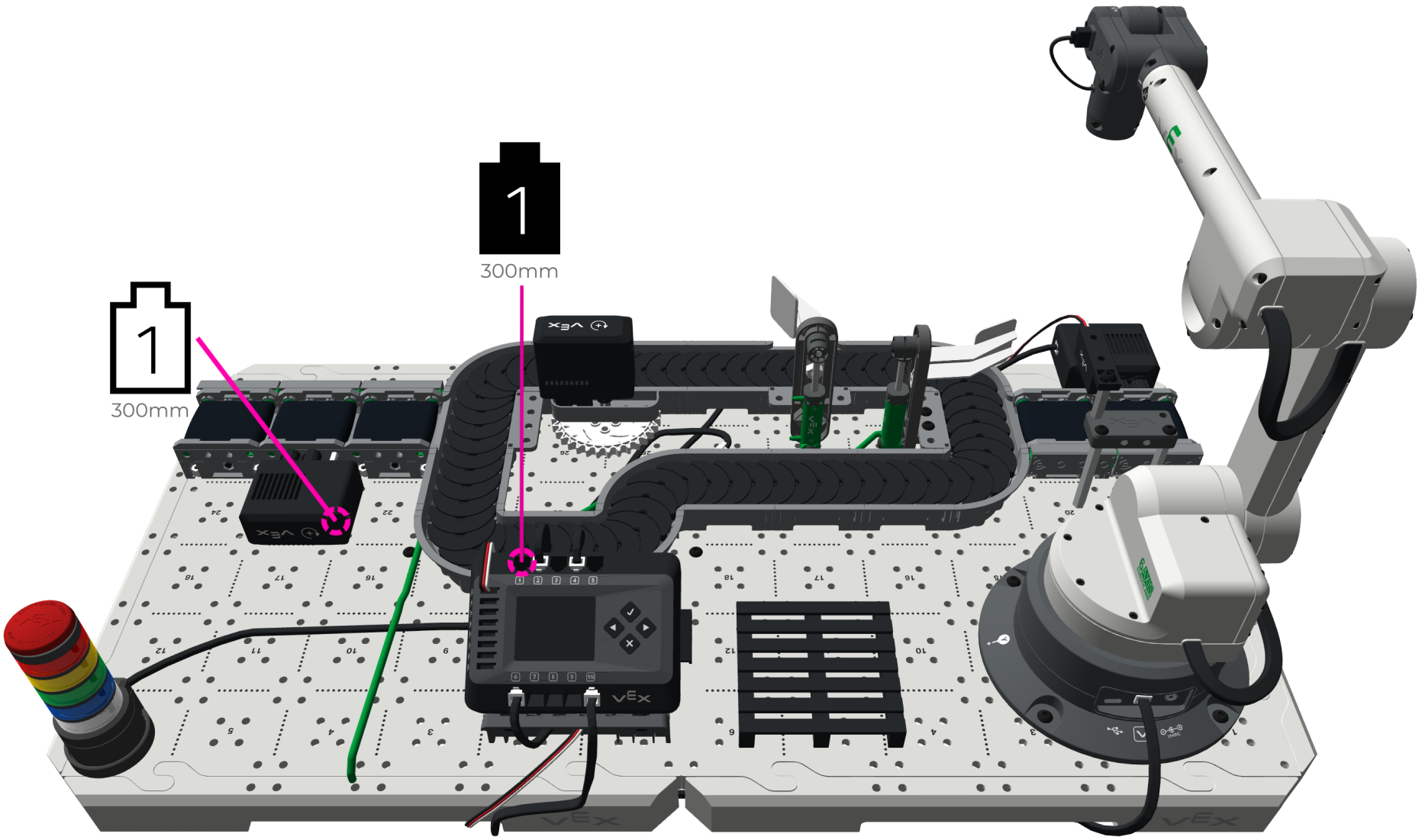

VEX
VEX
A
B
16

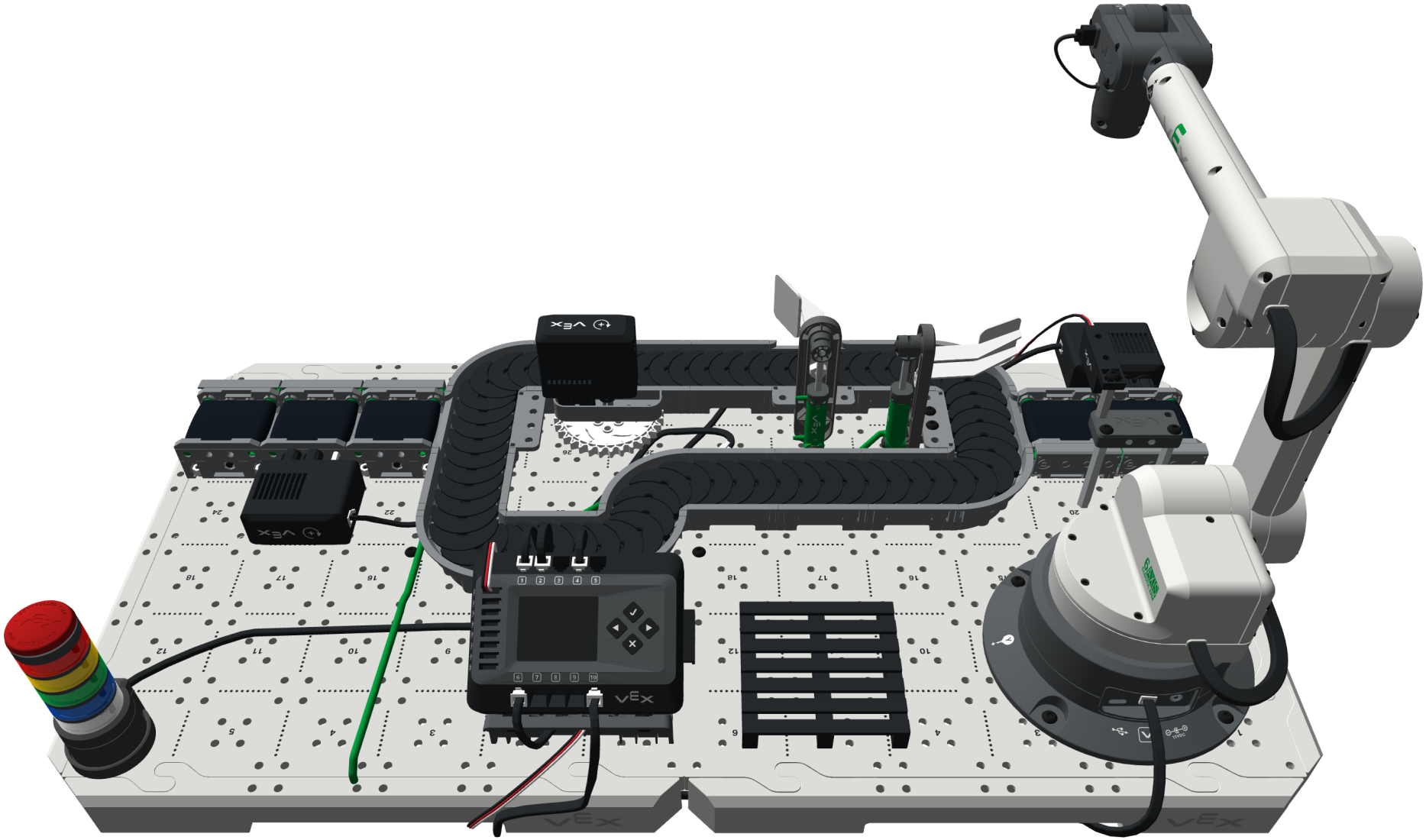

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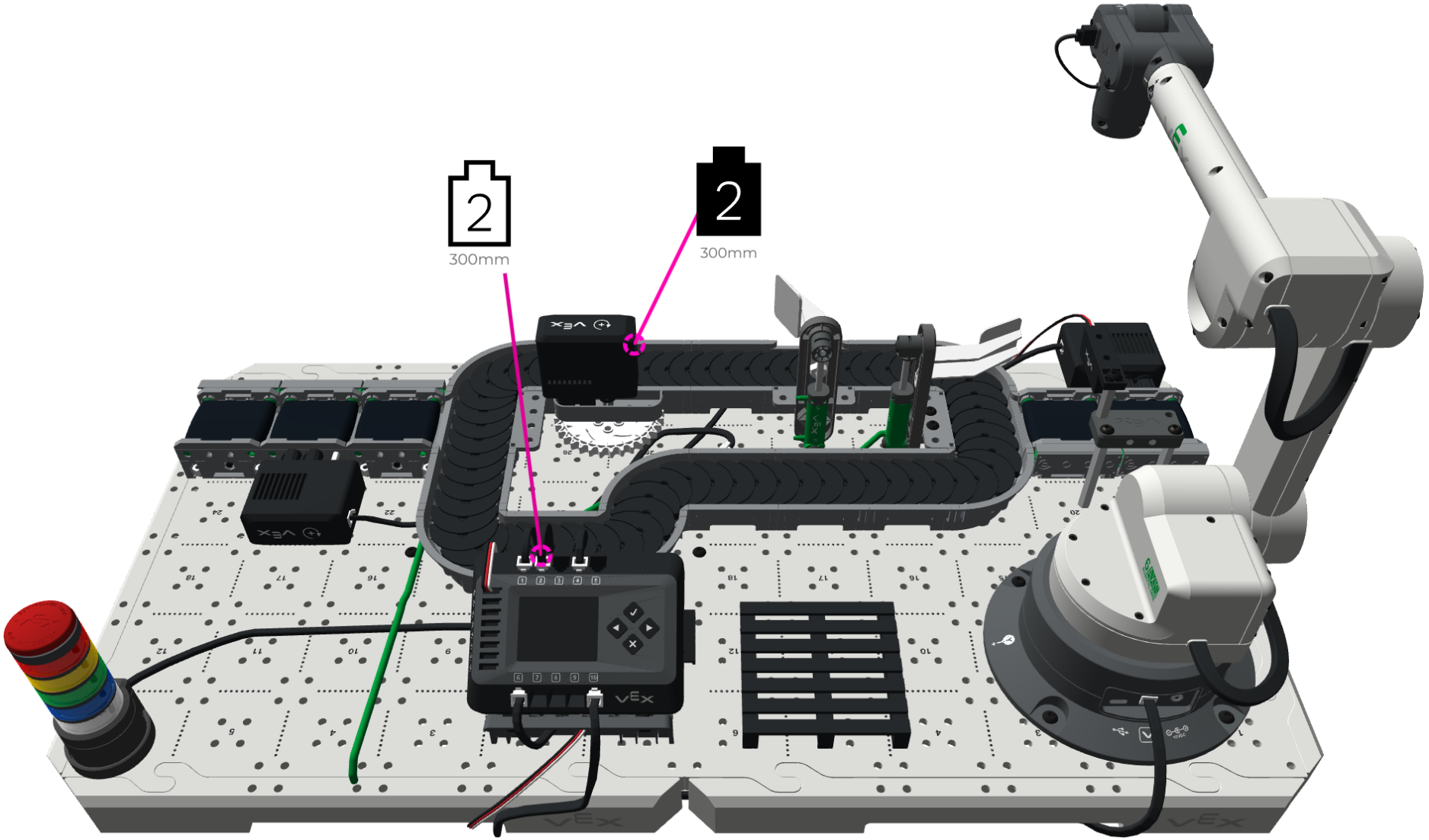

VEX


VEX
VEX


6AXIS
ROBOTIC ARM
VEX


1
300mm
1
300mm




2
300mm
2
300mm

