



# 2/3 of healthcare related infections

CDC, Feb 2011







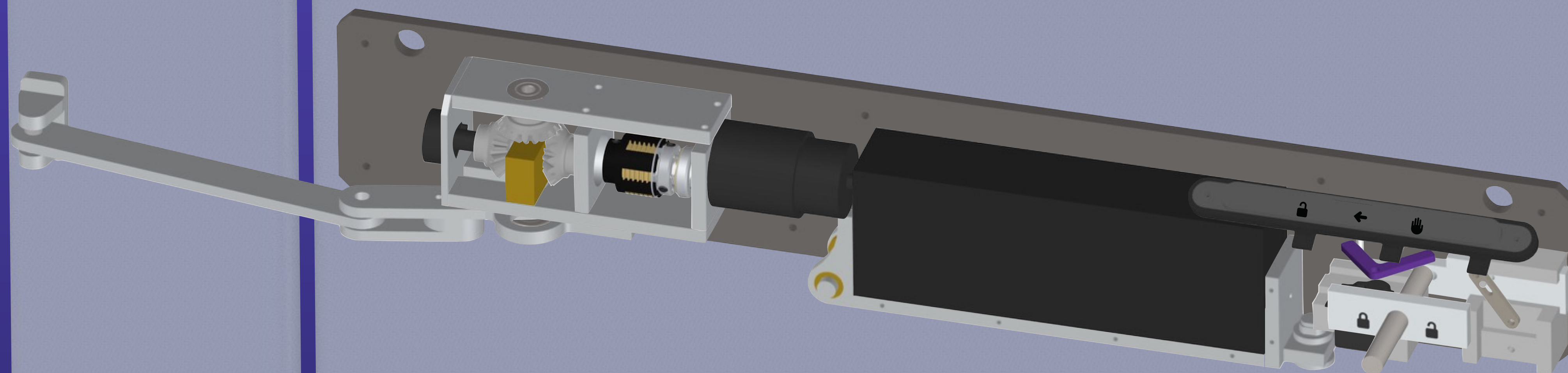




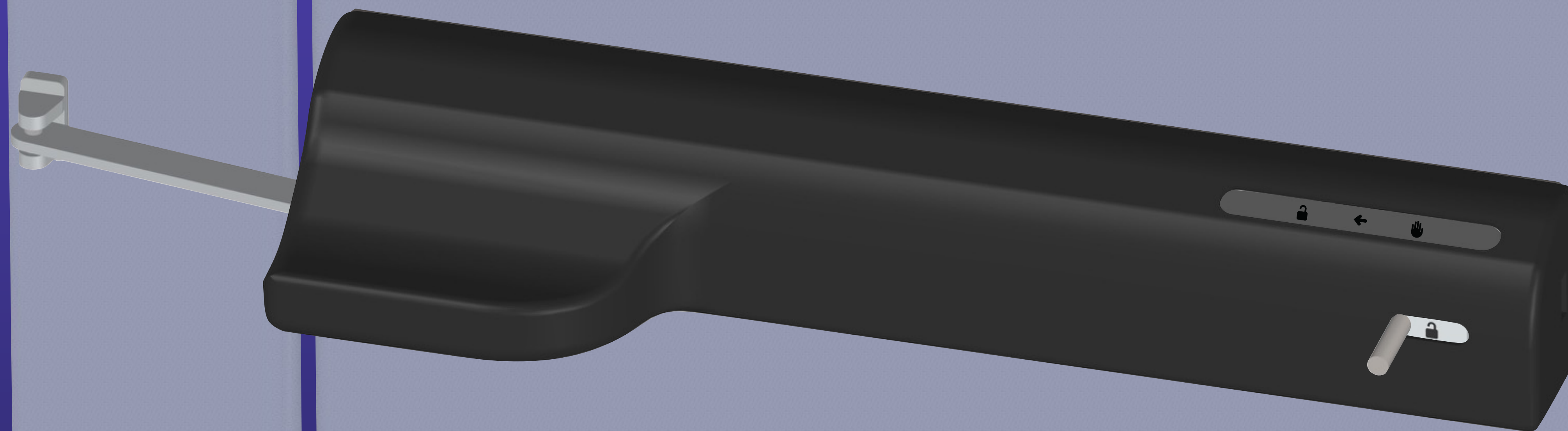




touchless







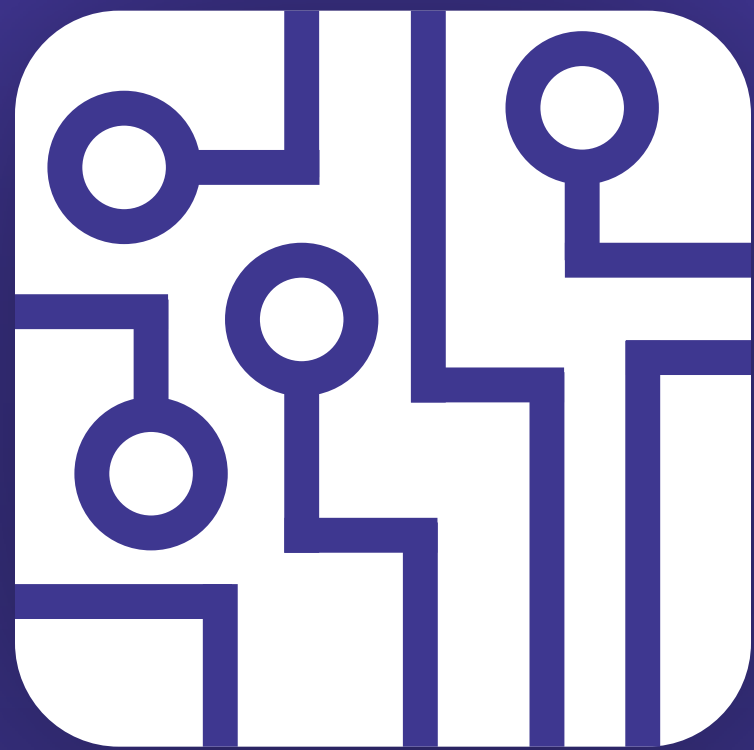


**Walk in, wave out.**

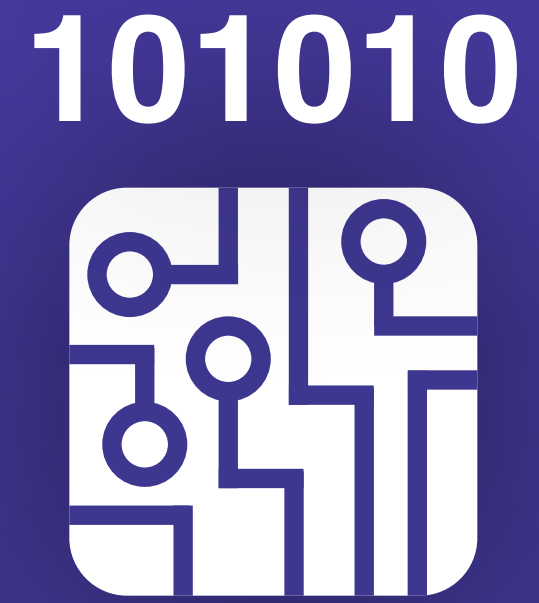


Walk in, wave out.

101010





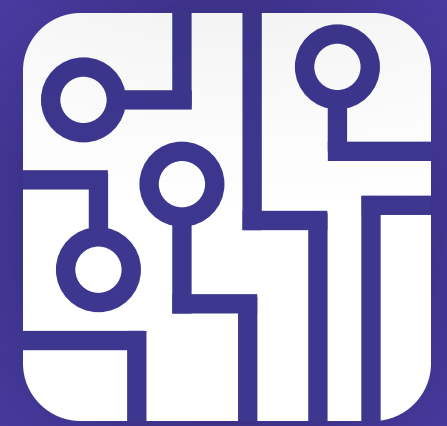


Most touch-free appliances rely on a single sensor for detecting presence.





101010

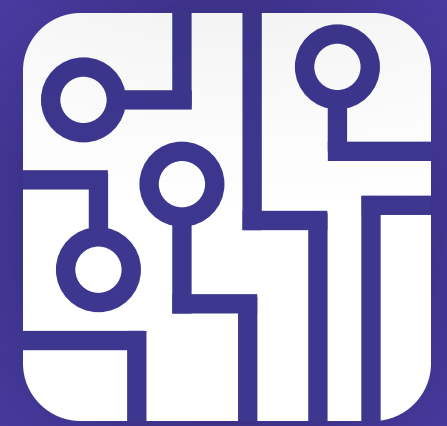


touchless uses 3 sensors to detect  
when you walk in...





101010

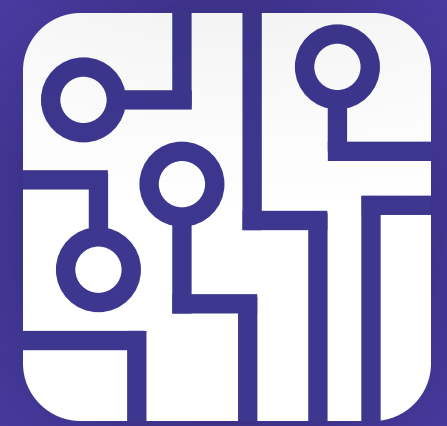


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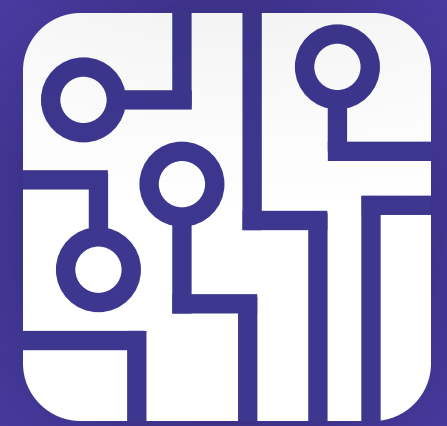


touchless uses 3 sensors to detect  
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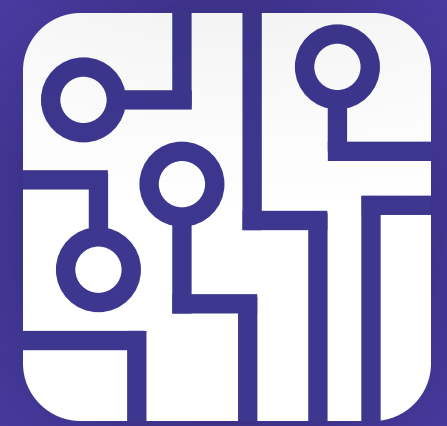


touchless uses 3 sensors to detect  
when you walk in...





101010



touchless uses 3 sensors to detect  
when you walk in...

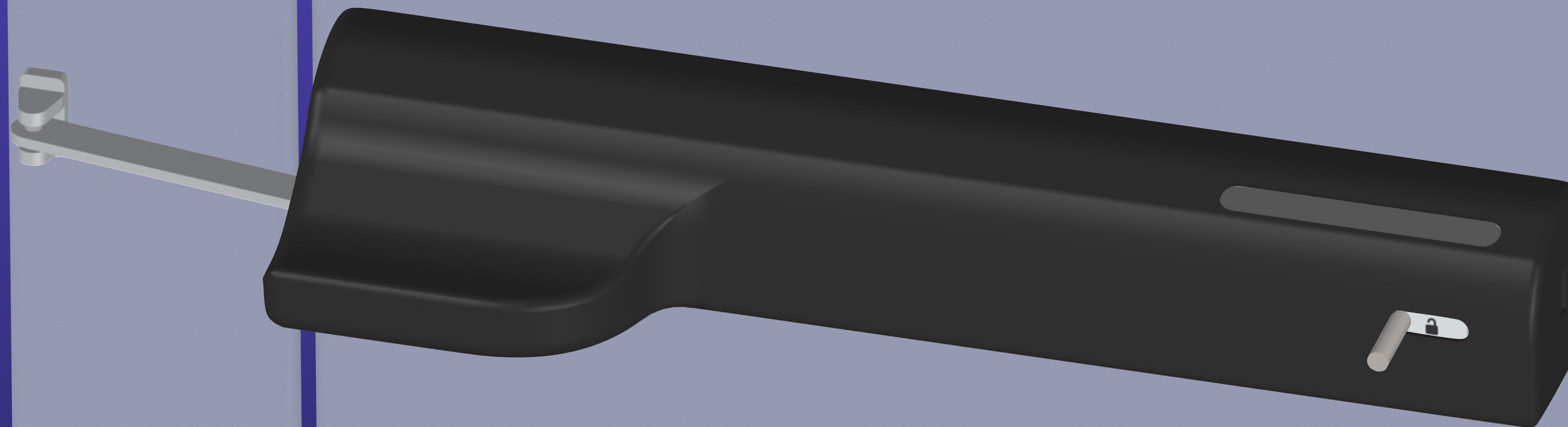




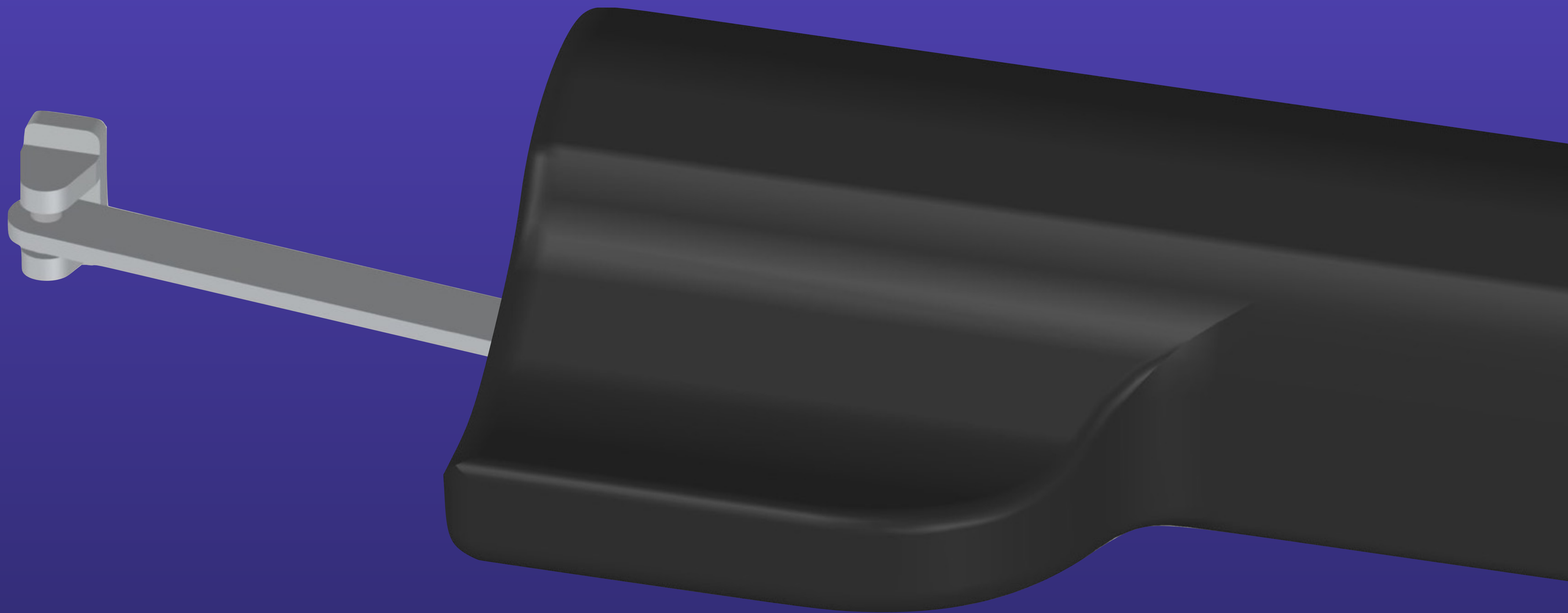
...triggering the door to close smoothly and safely.





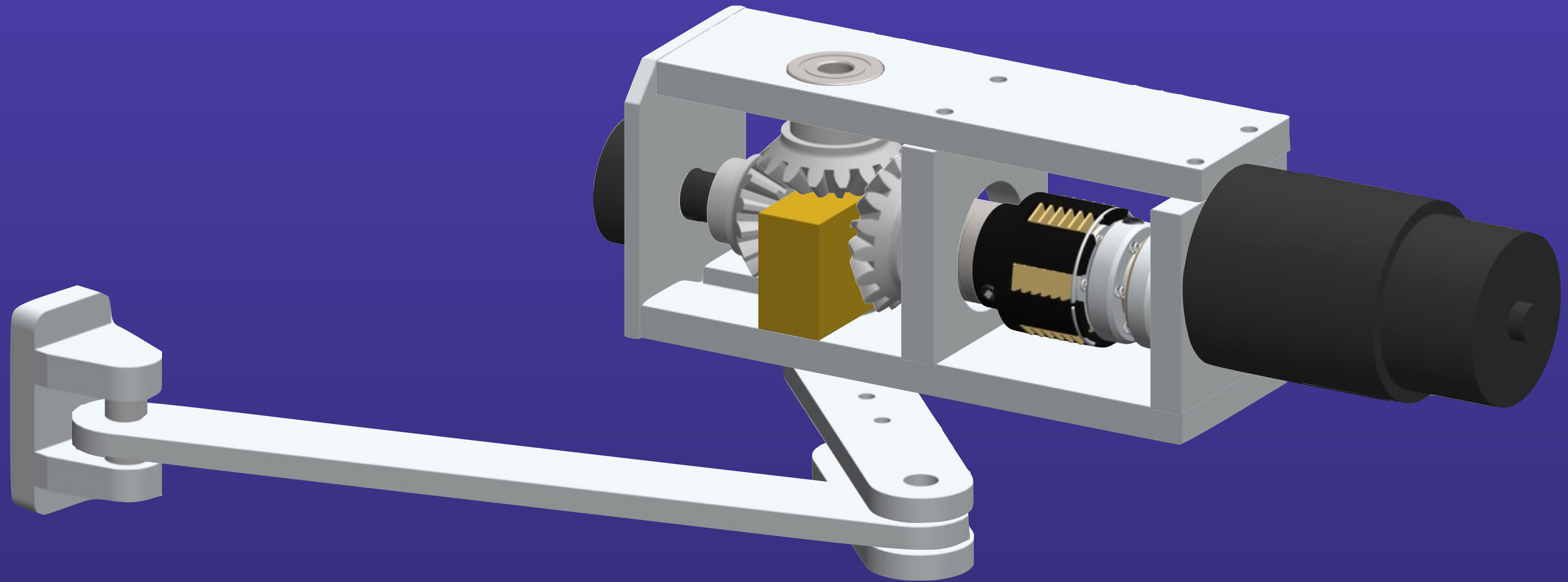






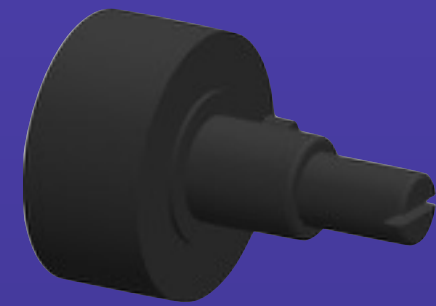


# opening mechanism

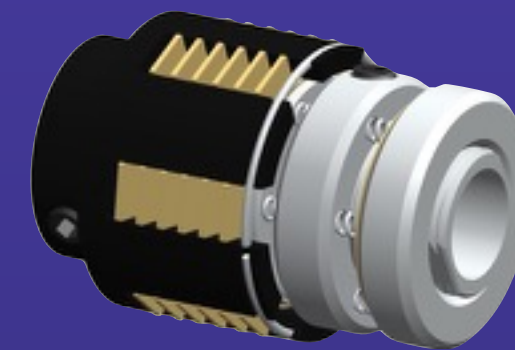
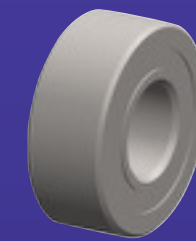
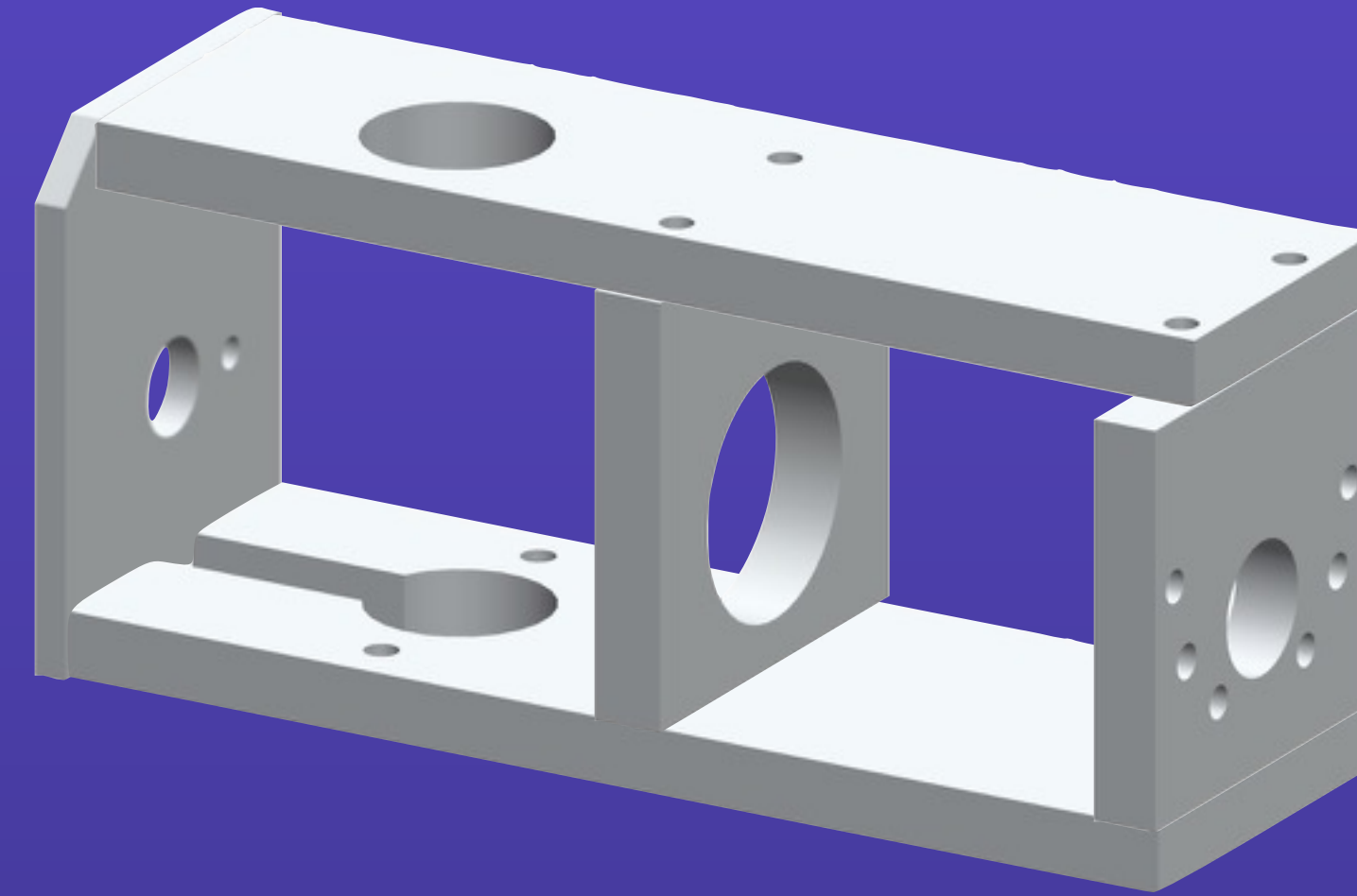
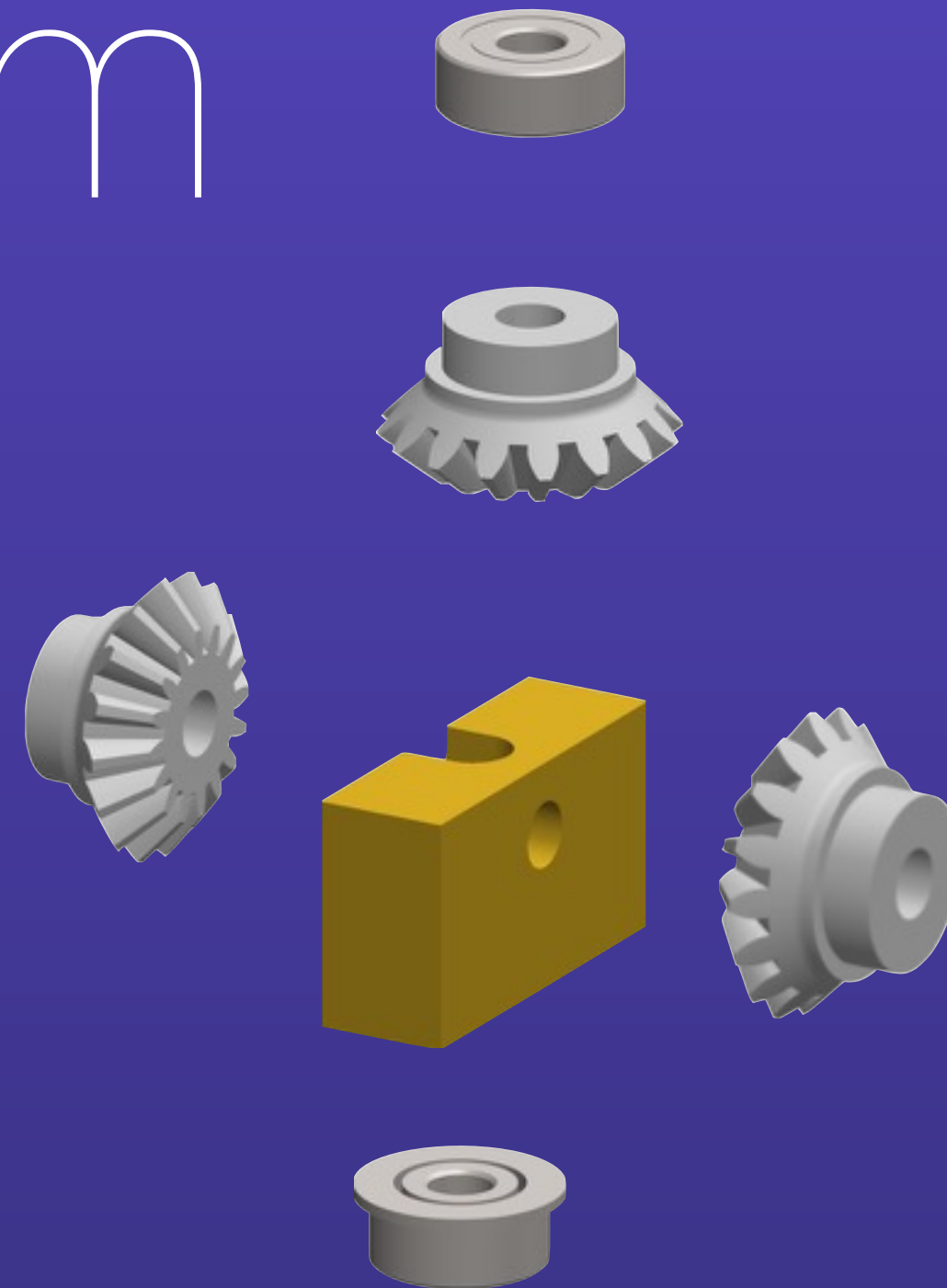




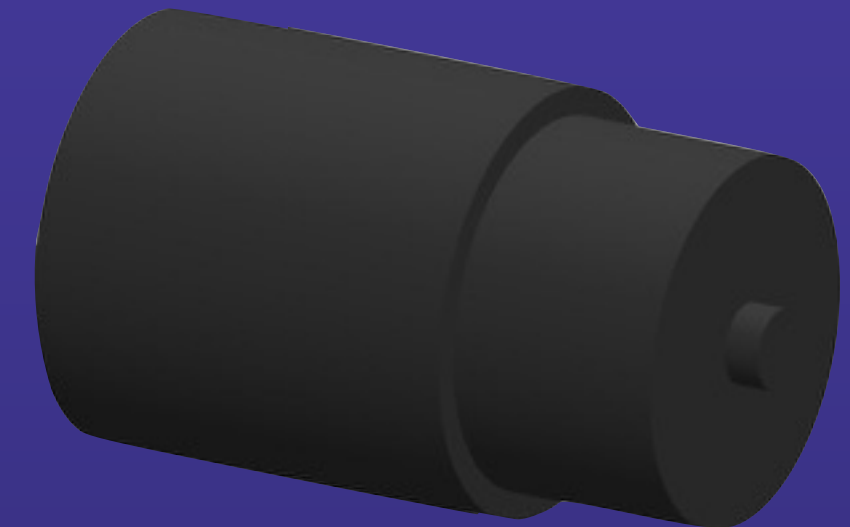
# opening mechanism



potentiometer



clutch

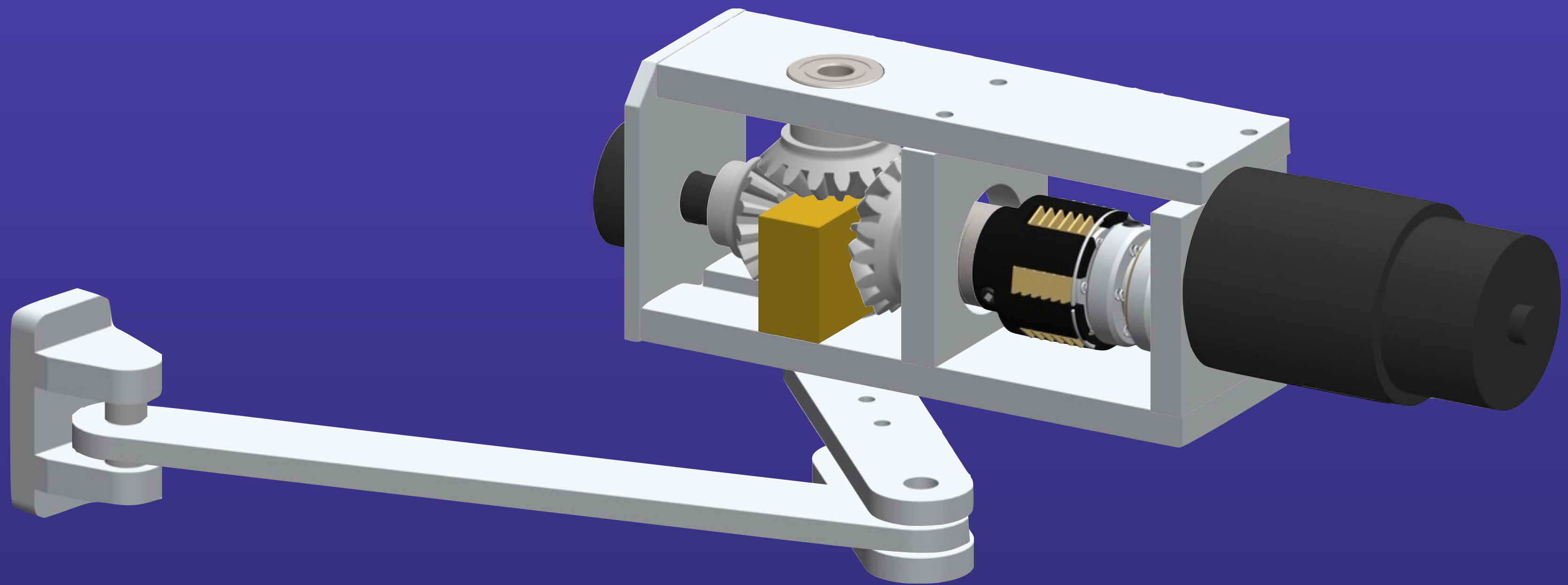


motor

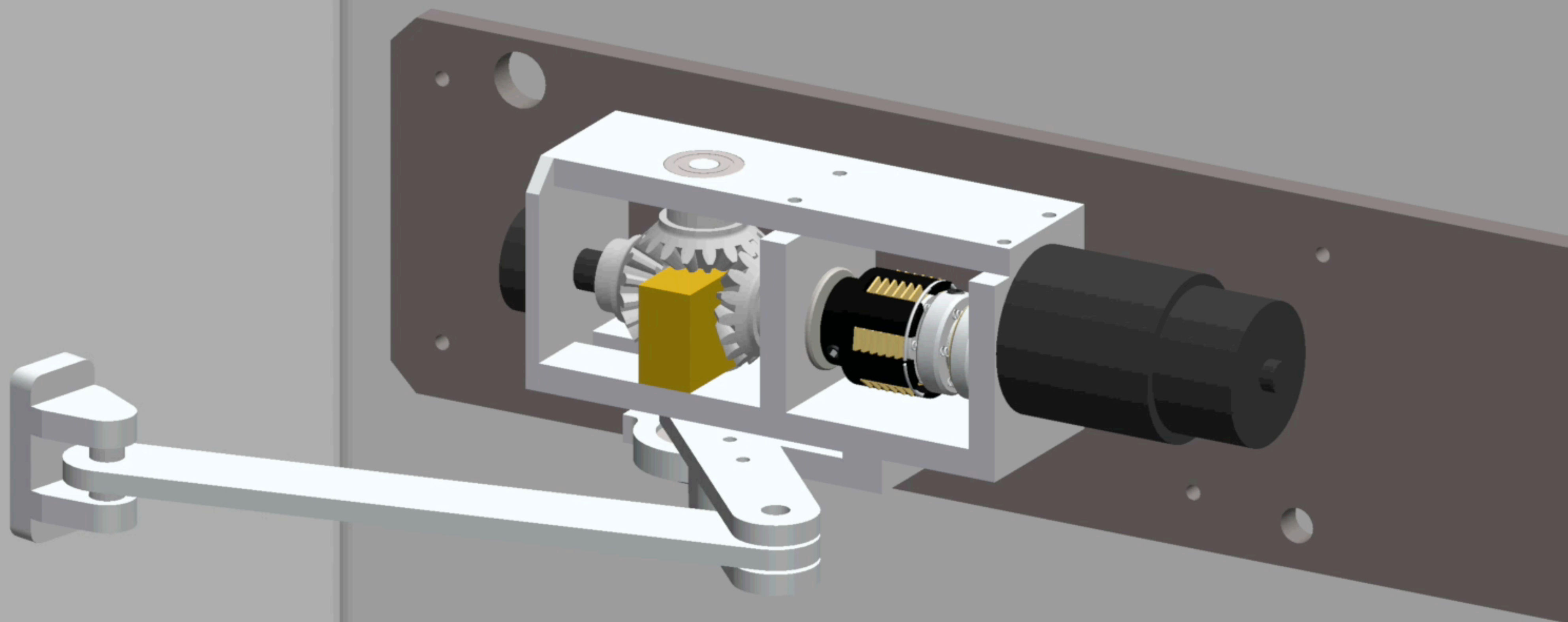


linkage



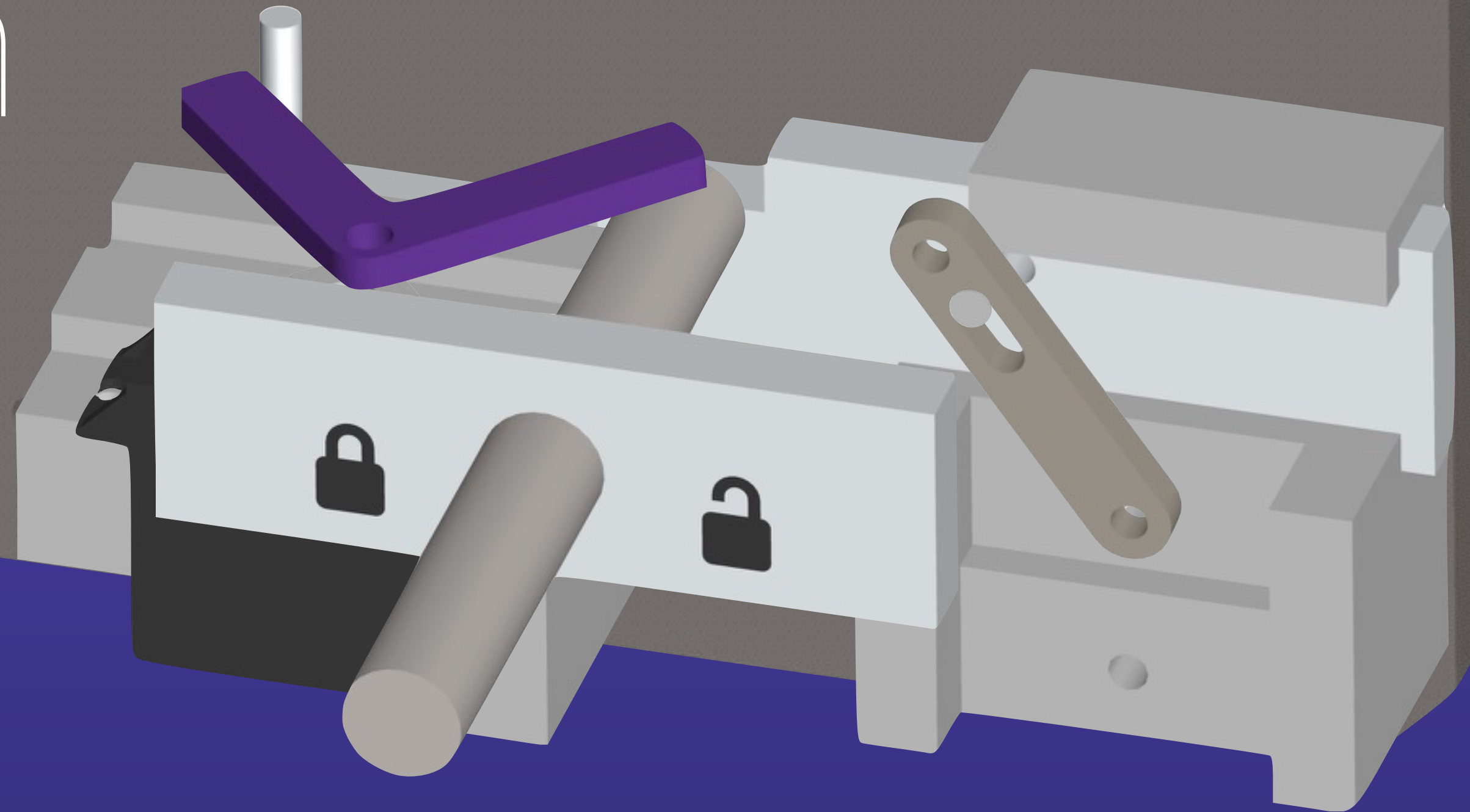






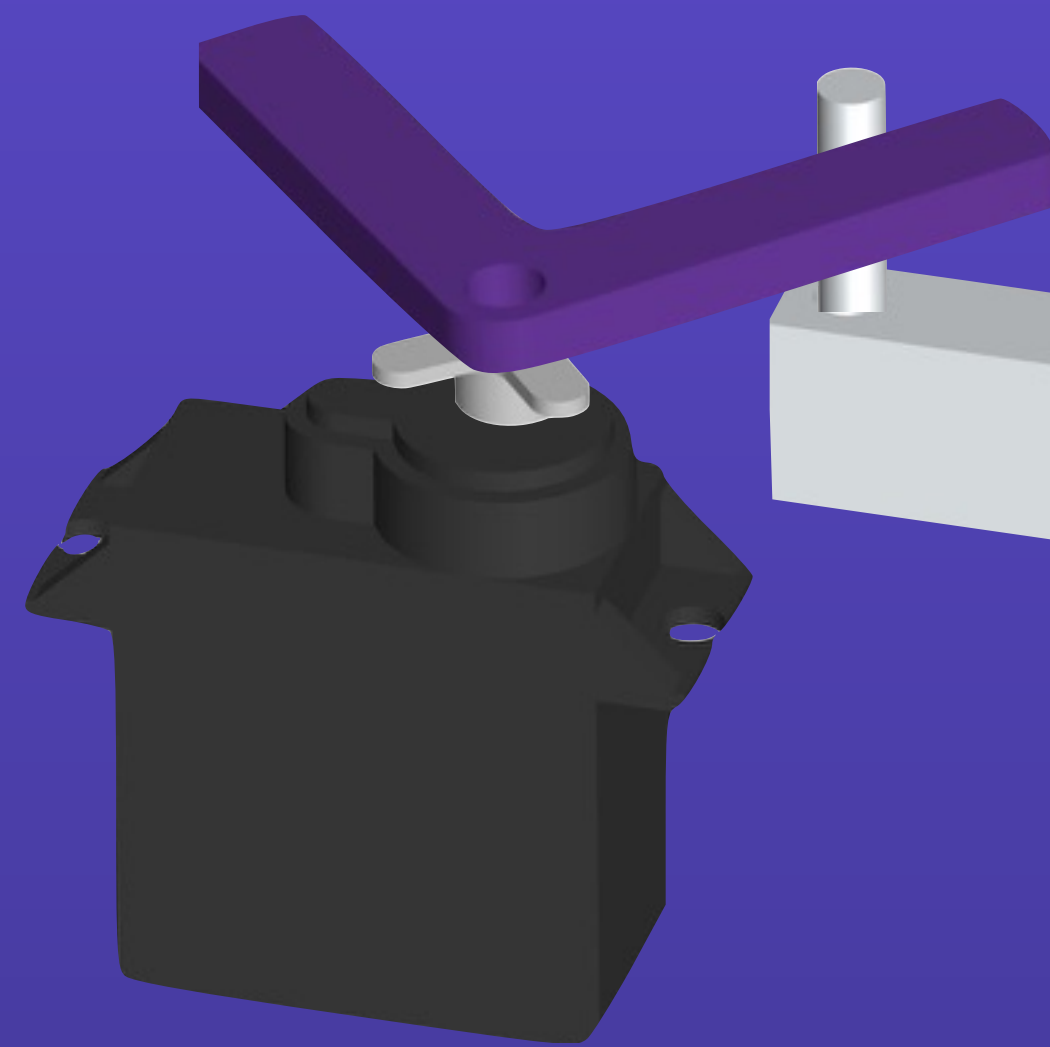


# locking mechanism

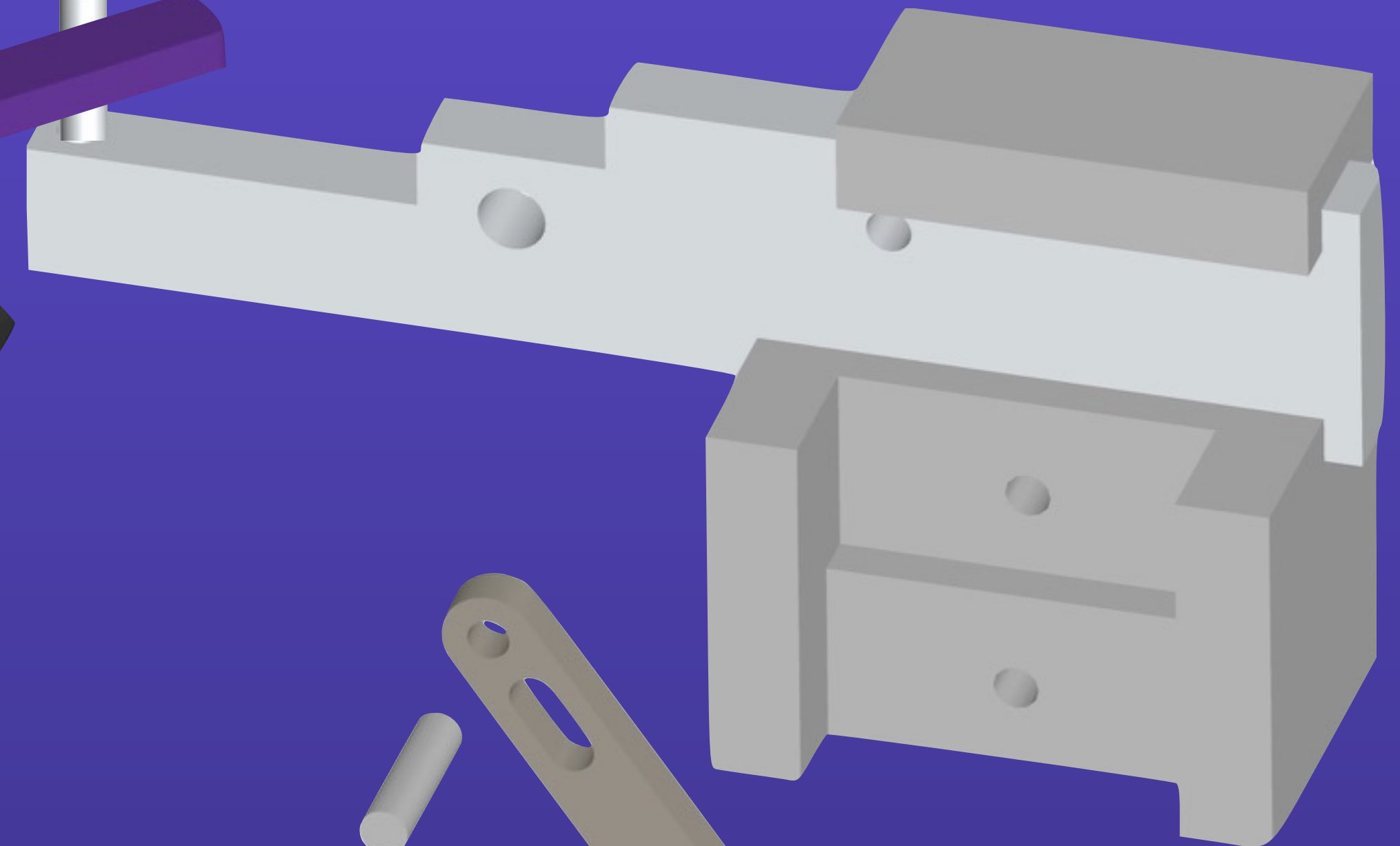




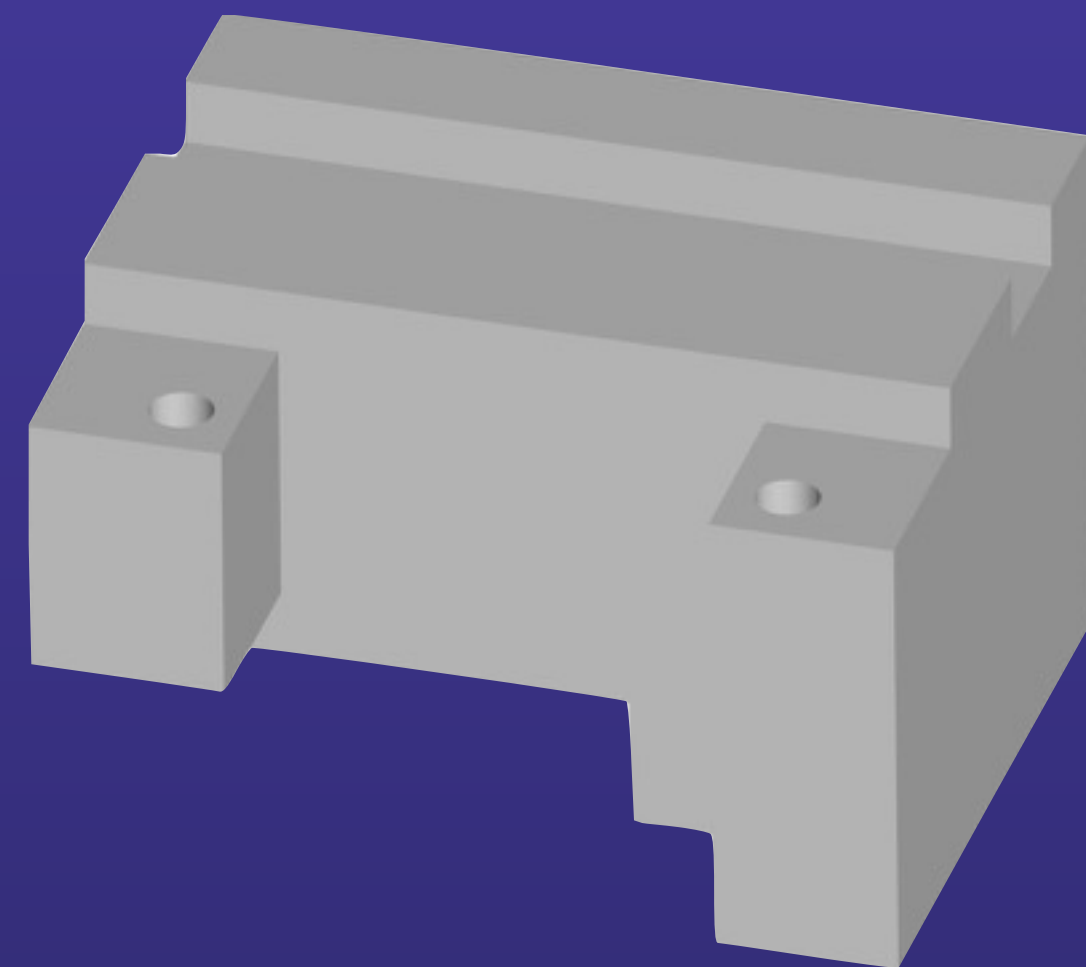
# locking mechanism



servo

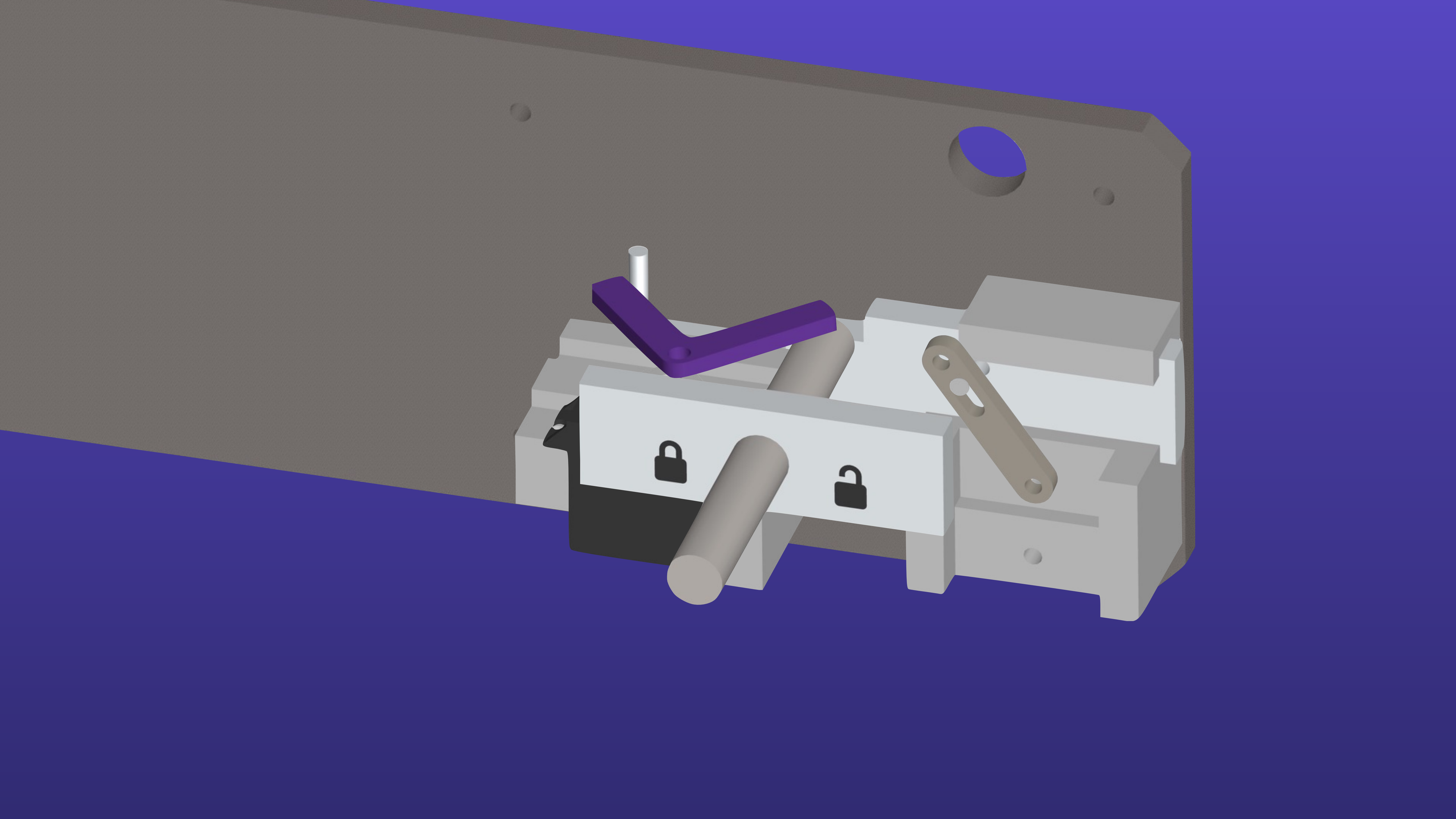


sliding  
lock

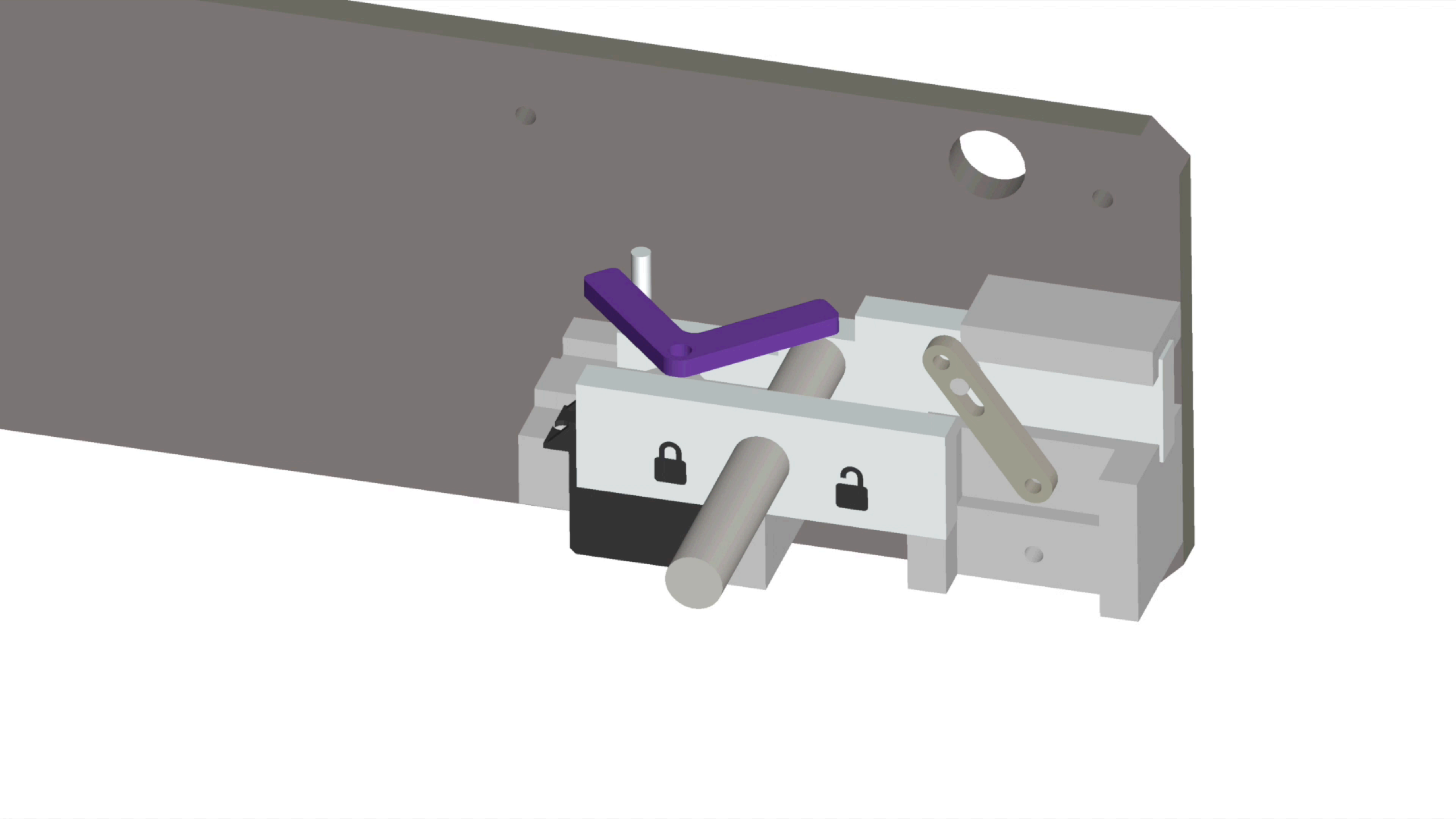


manual override

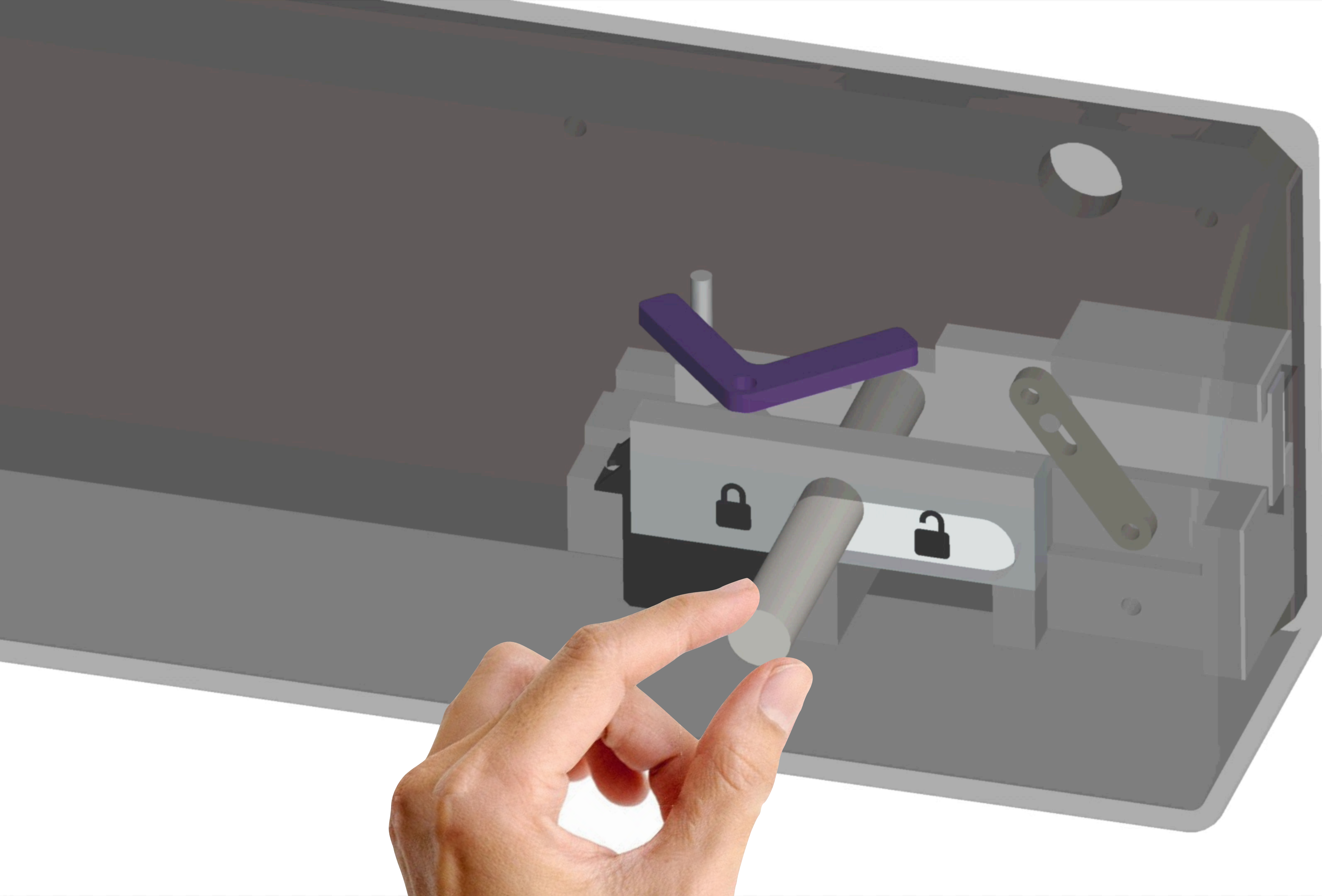






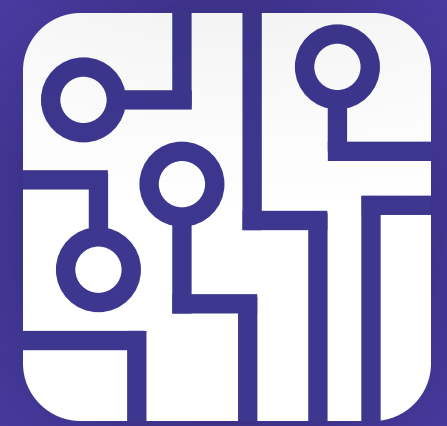








101010



A wave of the hand signals the door to unlock and open.





**Walk in, wave out.**



Walk in,



wave out.





Most restroom appliances have  
a battery life of ~1 month.







# 2 months

battery life

100 open/close cycles per day







“Hygiene is one of our top priorities. We are definitely interested.”

Derek Schneider, General Manager @ **Asgard Irish Pub & Restaurant**





“I wish we had one of these now - I would  
**absolutely install this.**”

Scott Jedrey, General Manager @ **Uno Pizzeria & Grill**



The image shows the exterior of a restaurant named 'Kowloon'. The building has a prominent wooden gable roof with decorative white scrollwork along the eaves. A large, stylized wooden sculpture of a person with long hair and a beard is mounted on the wall. The name 'Kowloon' is written in large, red, three-dimensional letters. Below the sculpture is a large glass window. The sky is blue.

Kowloon

“I want 5 to 10 of these in my restaurant.”

Robert Wong, Owner @ **Kowloon**



**\$270**  
Retail Price







# Locally owned restaurants





Locally owned restaurants



Chain restaurants





Locally owned restaurants



Chain restaurants



Airports and Schools





local restaurants | **\$13.5M**



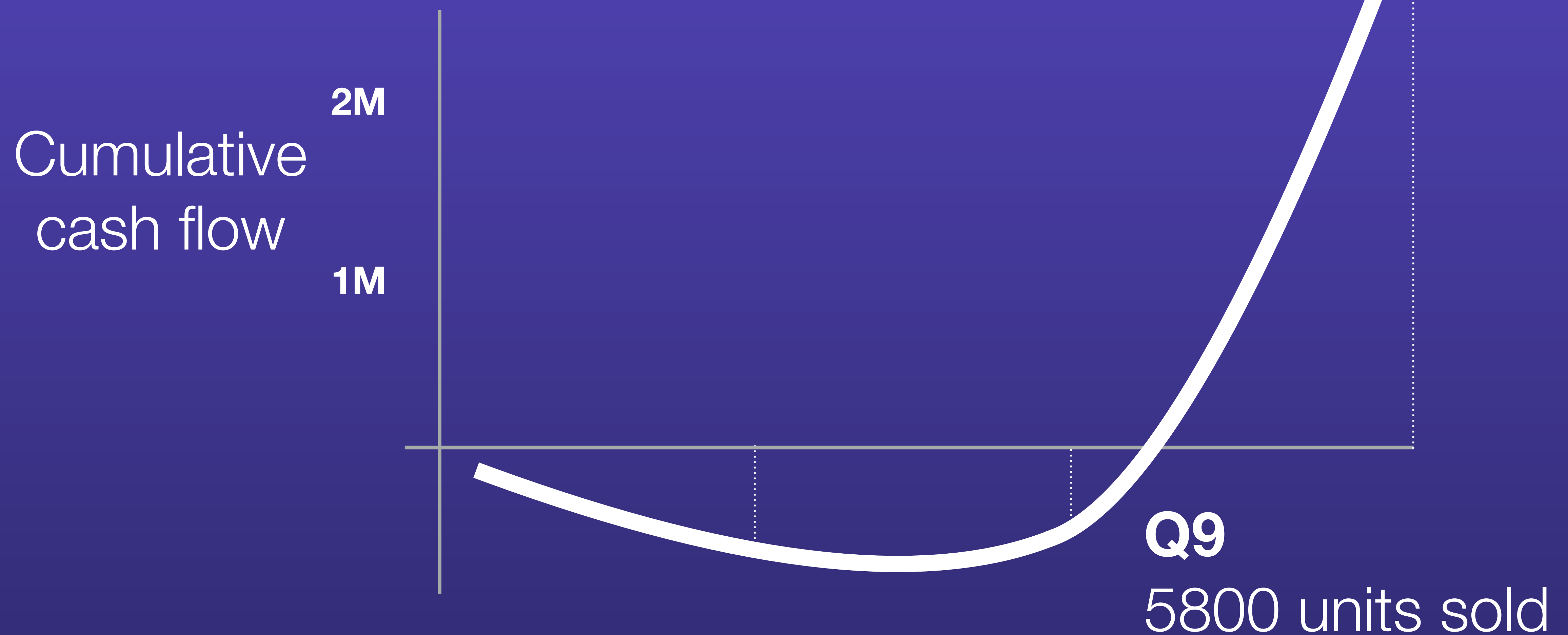
national chains | **\$37M**



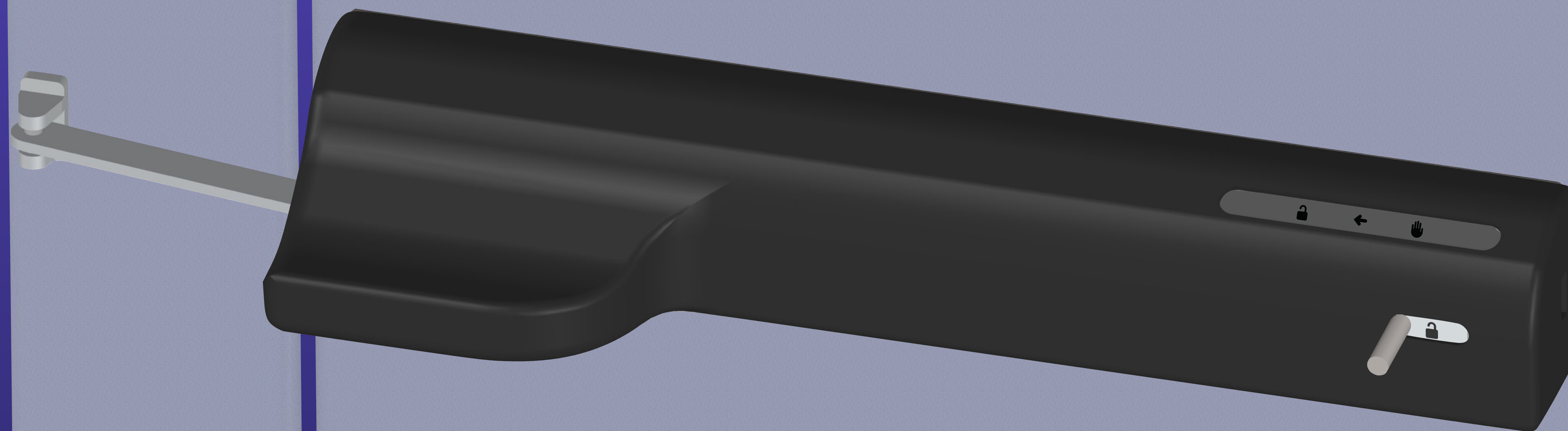
airports and  
schools  
**\$250M**



# \$500K Initial Investment









# Thank you.

David Wallace  
Richard Wiesman  
Juhan Sonin  
Jay Miller  
Henry Lau  
Jane Kokernak  
Victor Hung  
all the TAs  
Angie Locknar

Bill Cormier  
James Dudley  
Steve Haberek  
Tasker Smith  
Daniel Braunstein  
Hunter Guarino  
Thomas Villalon  
Matt Arbesfeld  
Chris Welch  
Ed Moriarty