

Calibration Hardware

BULLKID digest meeting 11/12/25

Tommaso Lari



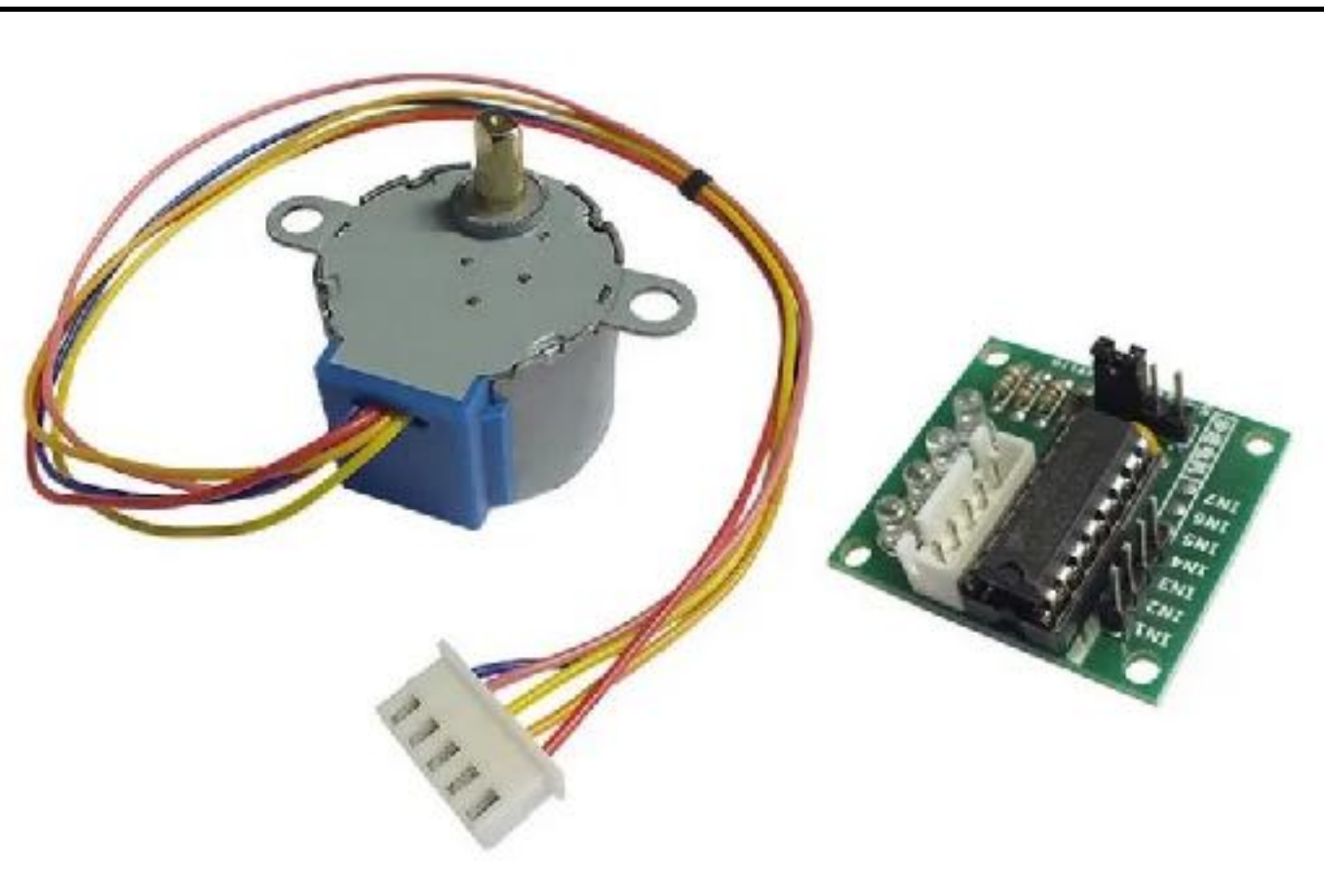
Preparing for cryogenic test of stepper motor

1

Stepper motor identified:

Option #1:

- 28BYJ-48
- In house ✓
- Cryogenic compatible ?
✗
- (Tested: Dissipates 1.2W – only during rotation)



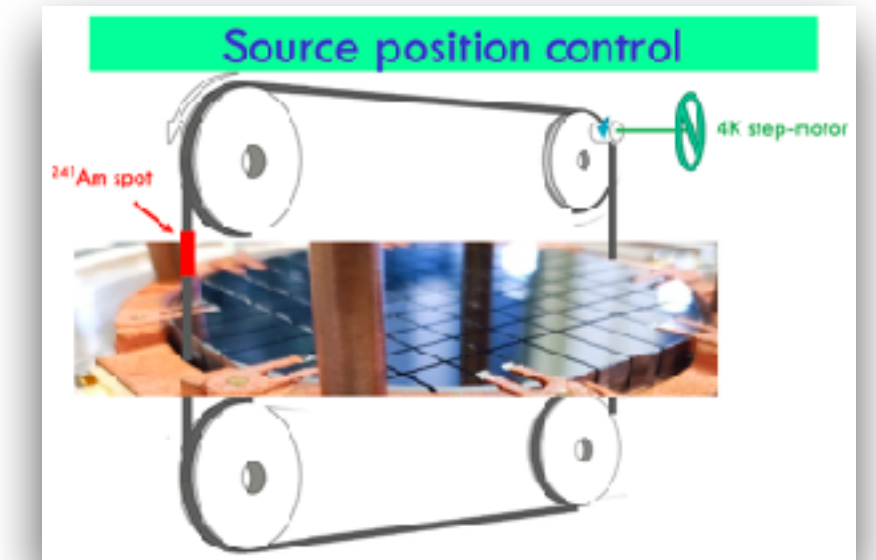
Option #2:

- Mystery device
- In house ✓
- Cryogenic compatible ✓
- Unknown power consumption
- Unknown controller



Option #3:

- Cryo-prepared NEMA 14
- To be purchased
- Cryogenic compatible ✓
- Unknown power consumption
- Sourced from IRLabs



Cryo-prepared and tested NEMA 14 stepper motor.

[STEPFILE](#)

[DRAWING](#)

\$249.00

2 in stock

- 1 +

ADD TO CART

In stock units normally ship between 1-3 days.
Backordered units normally ship in 2 weeks.

[Dewar Accessories, Motion Control](#)

Have any questions or need something custom? Contact us at sales@irlabs.com or call (520) 622-7074

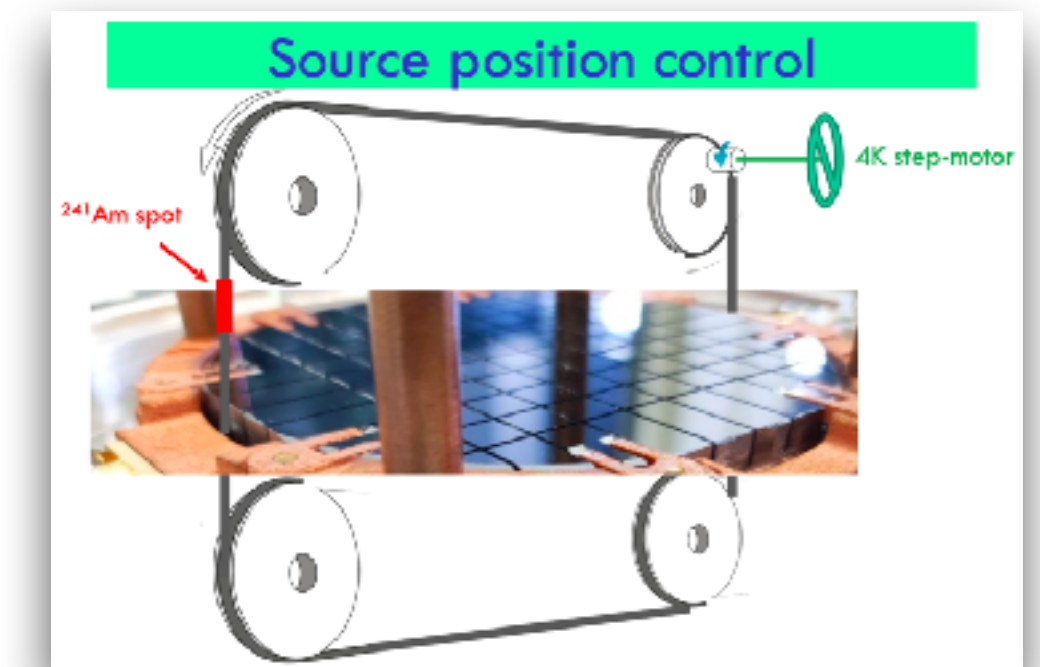
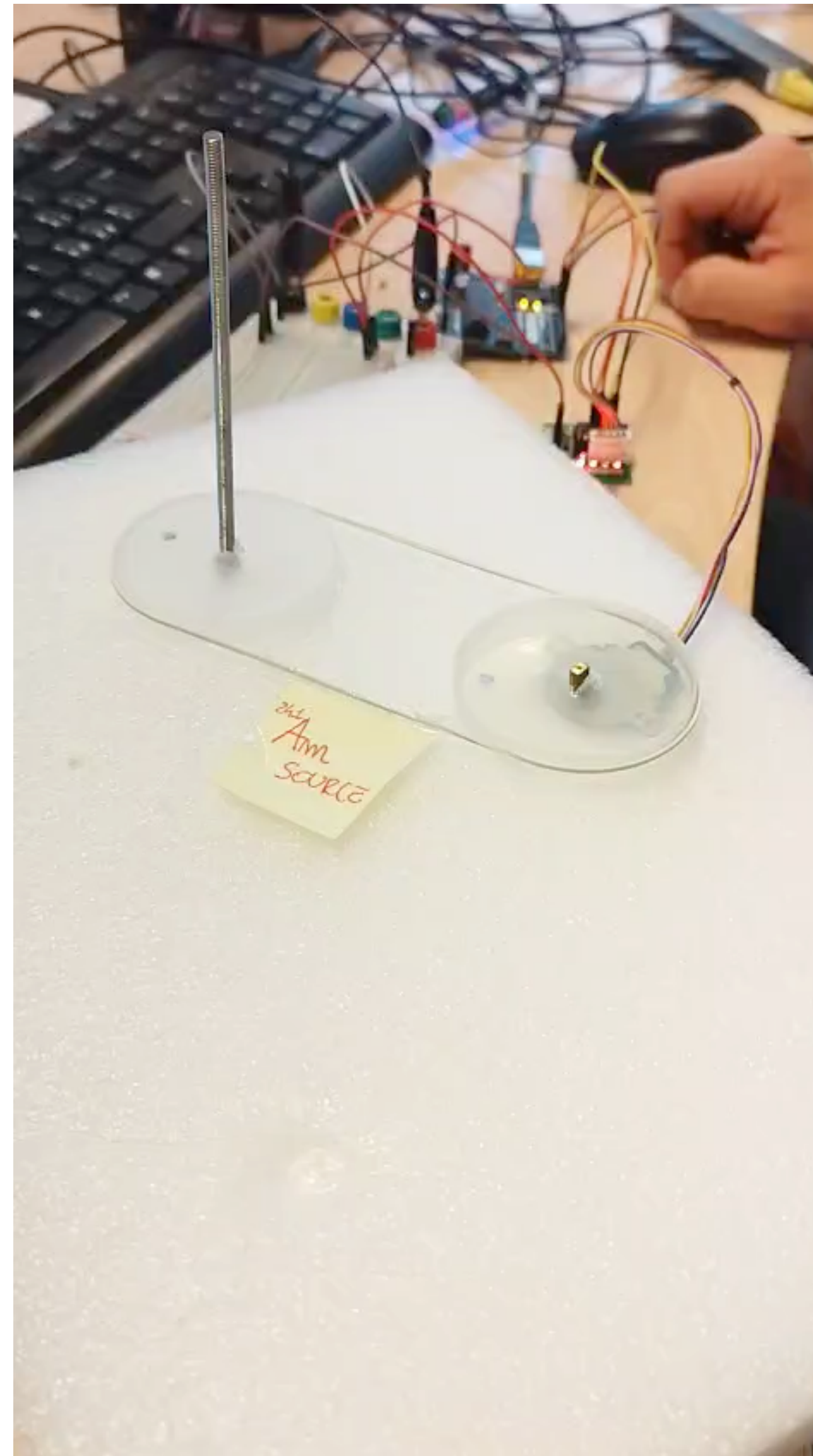
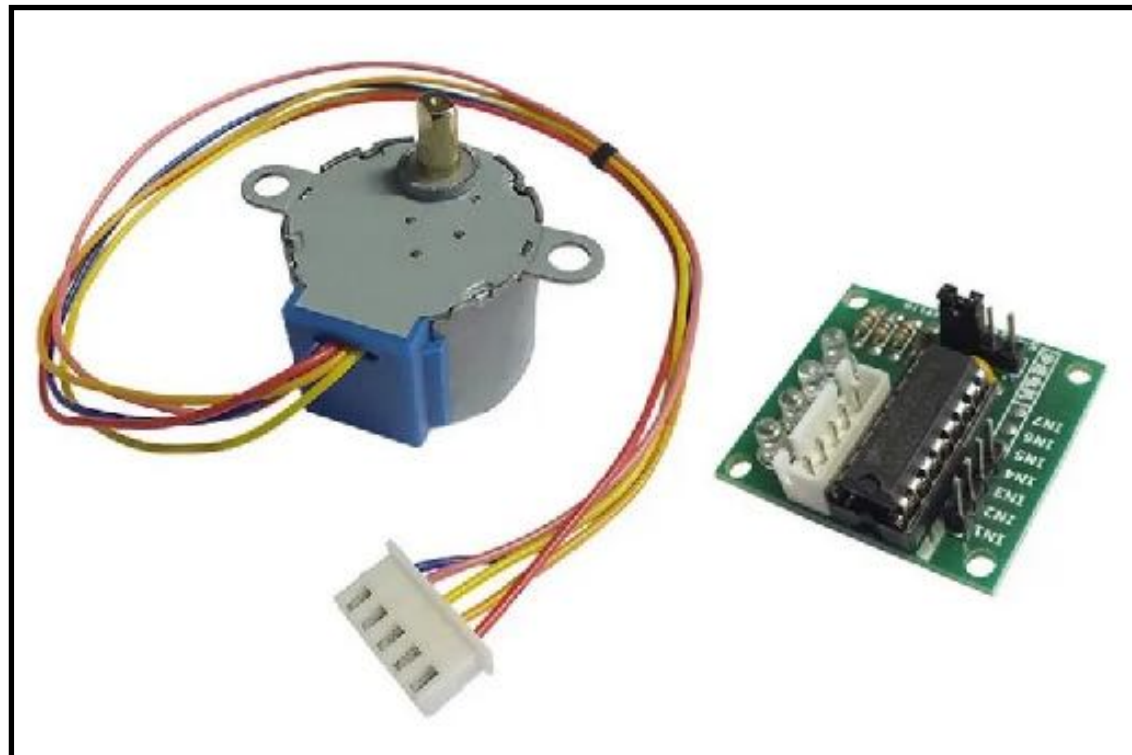
Preparing for cryogenic test of stepper motor

2

First test:

Option #1:

- 28BYJ-48
- In house ✓
- Cryogenic compatible ?
✗
- (Tested: Dissipates 1.2W – only during rotation)



To dos:

- Test in vacuum and cryo-test
- The workshops currently machining some parts: pulleys and holders

Preparing for cryogenic test of stepper motor

3

First test:

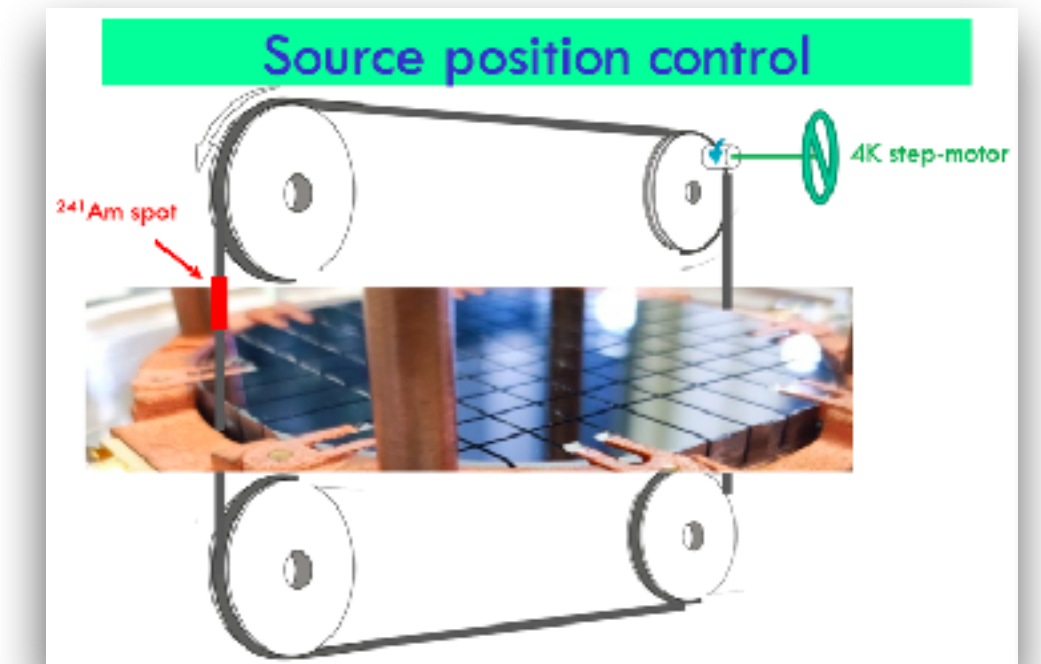
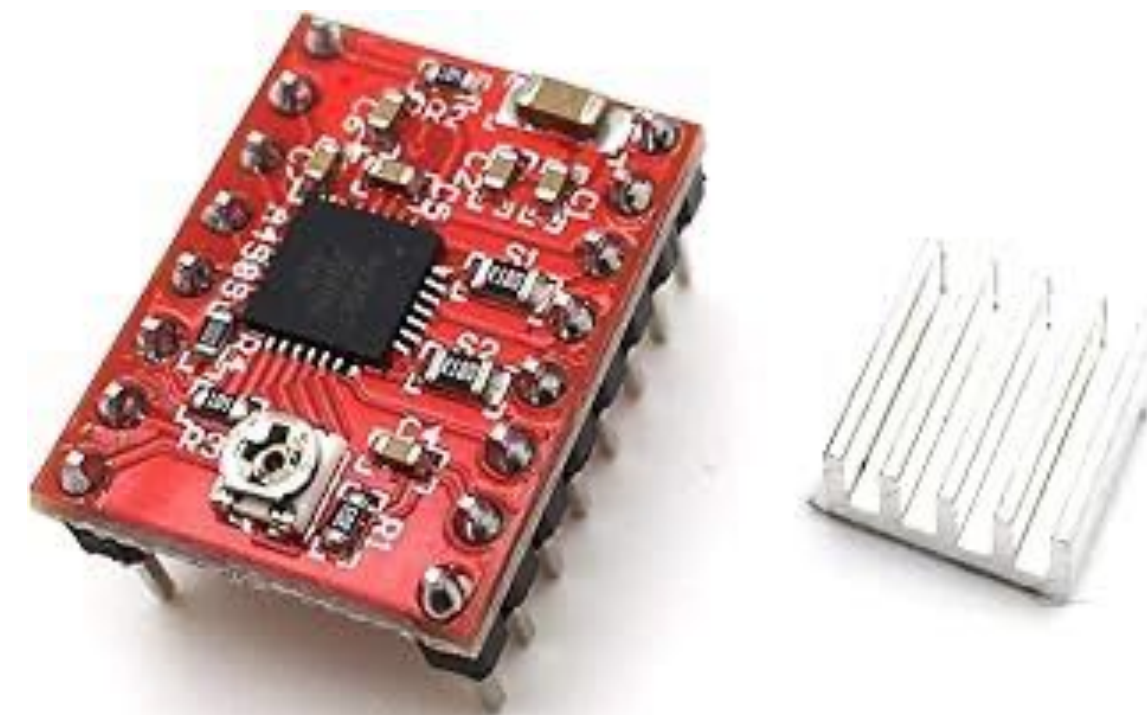
Option #2:

- Mystery device
- In house ✓
- Cryogenic compatible ✓
- Unknown power consumption
- Unknown controller



To dos:

- We're currently purchasing the BIQU A4988 driver (€ 6.45) to test it



Thank You

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