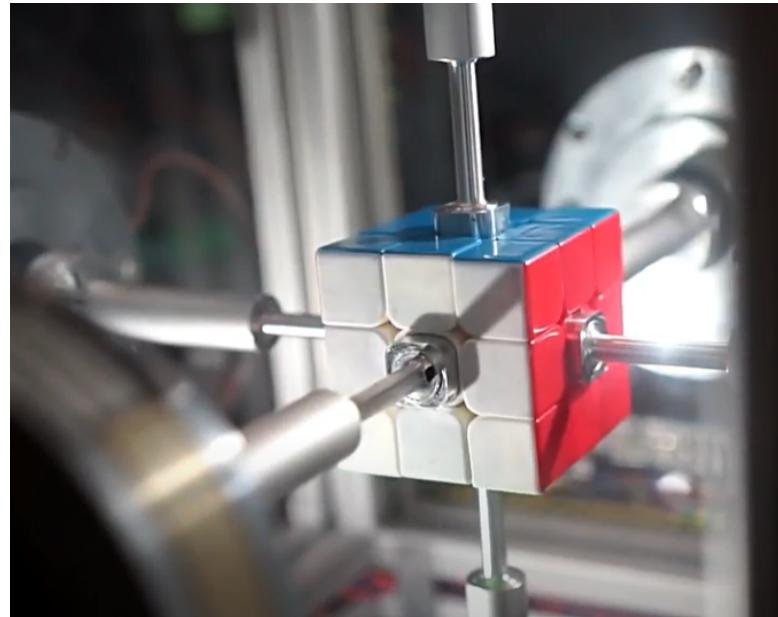


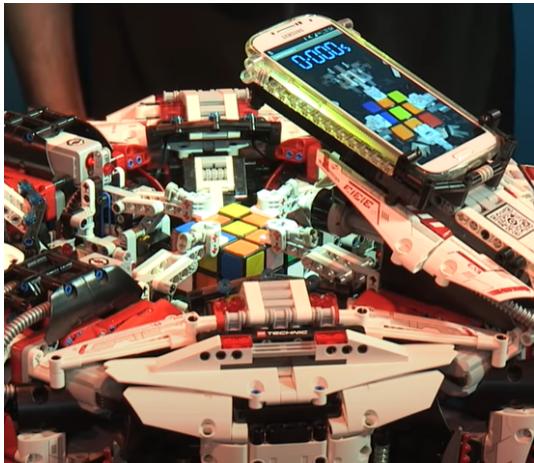
Existing solutions to Rubik's cube solver

1 6 actuators (electric)



- Current World Record at 0.38s
- Previous World Record at 0.637s (different machine)
- https://www.youtube.com/watch?v=wqLq_4fppSM&t=1s

2 LEGO machines



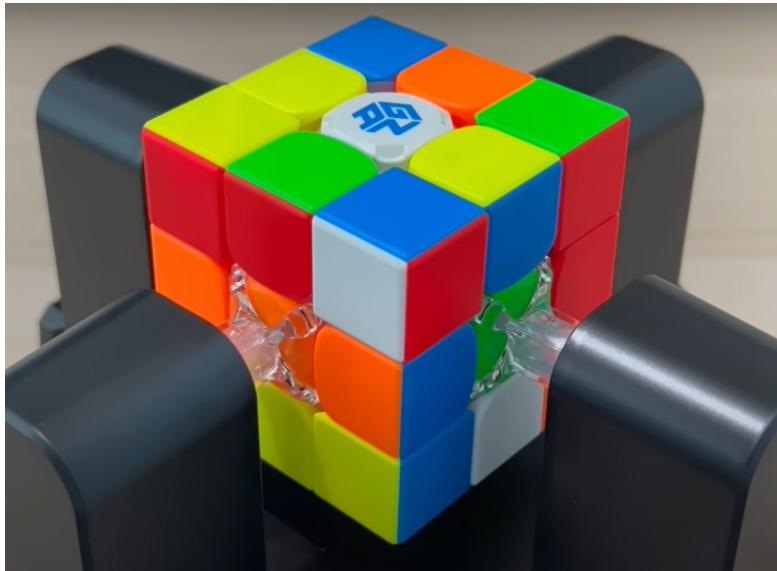
(a) CUBESTORMER 3



(b) SquidCuber

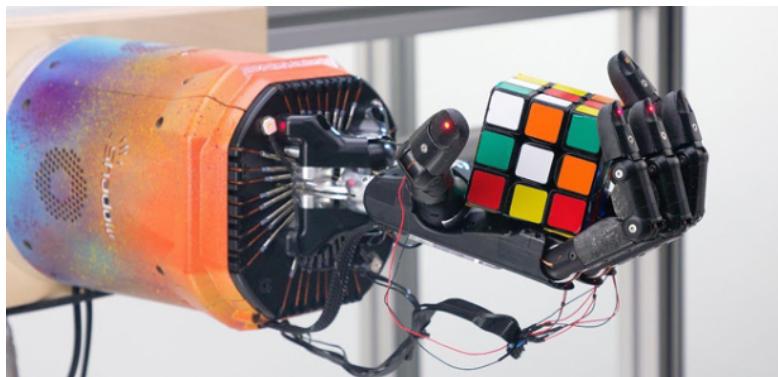
- 2014 Guinness World Record at 3.253s
- Current best time at 0.933s
- 4 actuators (electric) used in CUBESTORMER 3 (during the solving)
- 6 actuators used in SquidCuber
- <https://www.youtube.com/watch?v=X0pFZG7j5cE>
- <https://www.youtube.com/watch?v=wLzn1w8vgM4>

3 GAN Robot



- First (and only) consumer product in this category
- 5 actuators (electric)
- No machine vision. Only works with a GAN cube that knows its own position
- https://youtube.com/clip/UgkxrkYg9_MUqHJbd15wbuESgTAUkXtx7IhA

4 Dactyl Robot Hand



- Not specifically made for solving the Rubik's cube
- Made by OpenAI
- Time to solve: too long
- <https://www.youtube.com/watch?v=iV545-f61kg>

5 Floating and Self-solving cube



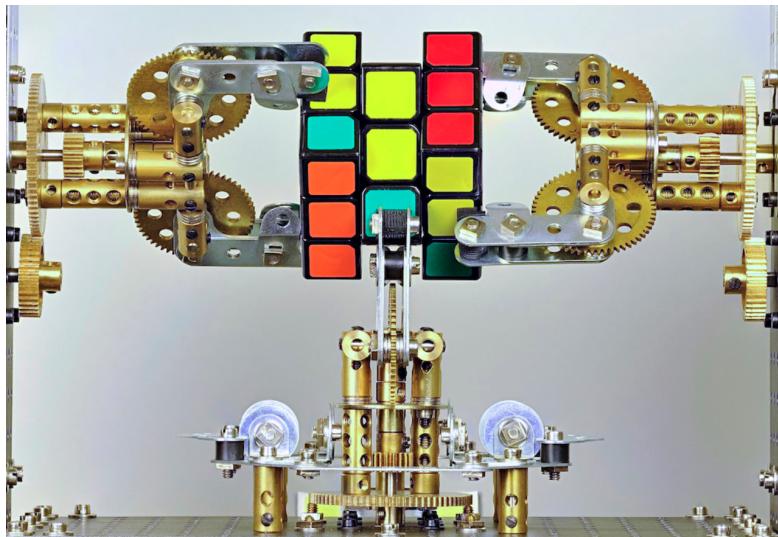
- Magnets used to have the cube float above ground
- Internal actuators, logic and position control
- Weak actuators = Bad time
- <https://www.youtube.com/watch?v=2vG-YtRmBSw>

6 CUBOTino



- 2 actuators (electric)
- <https://www.youtube.com/watch?v=dEOLhvVMcUg>

7 Meccano



- 3 actuators for solving
- Raspberry PI for camera vision and teensy 3.6 for everything else
- <https://www.youtube.com/watch?v=C9rCBjLGxJs>