

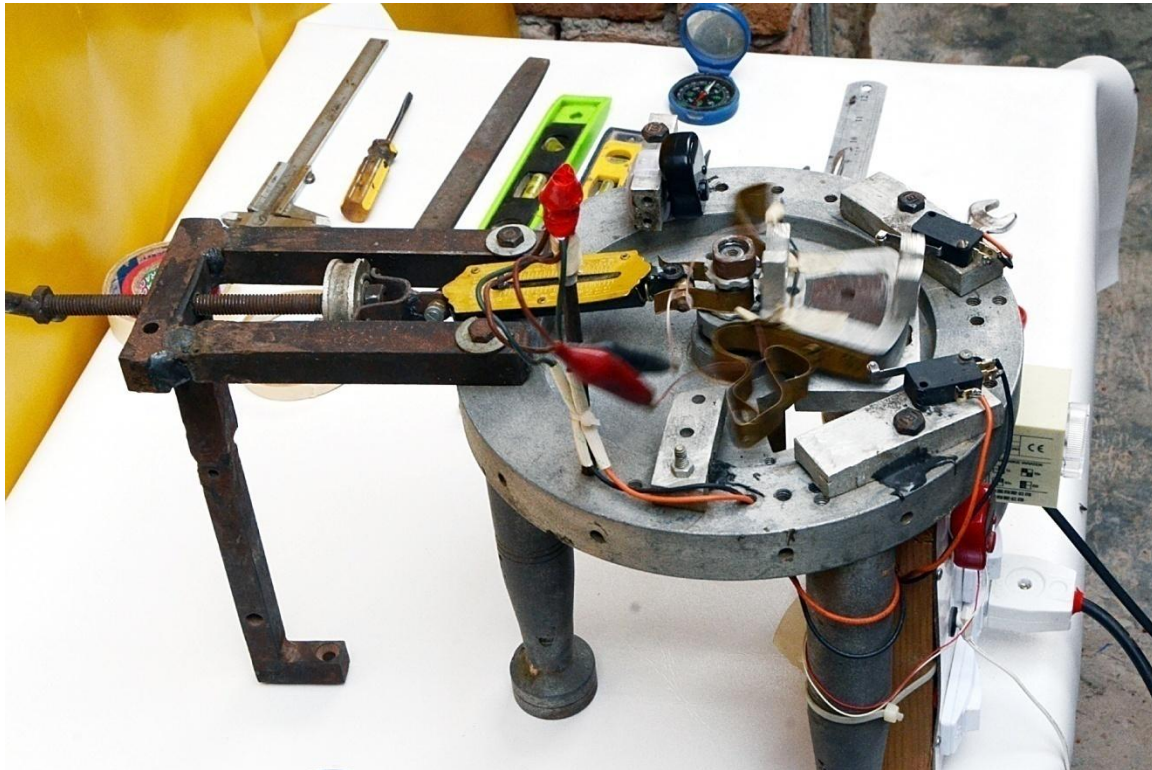
Glimpses of Working Proof of Concept

This is a rotary actuator.

- An electromagnet moves over two permanent magnet field poles.
An additional permanent magnet is installed on the moving electromagnet.
- When polarity of the electromagnet is changed, the additional permanent magnet rotates.
- This rotating permanent magnet is removable.

Function of actuator without the rotating permanent magnet:

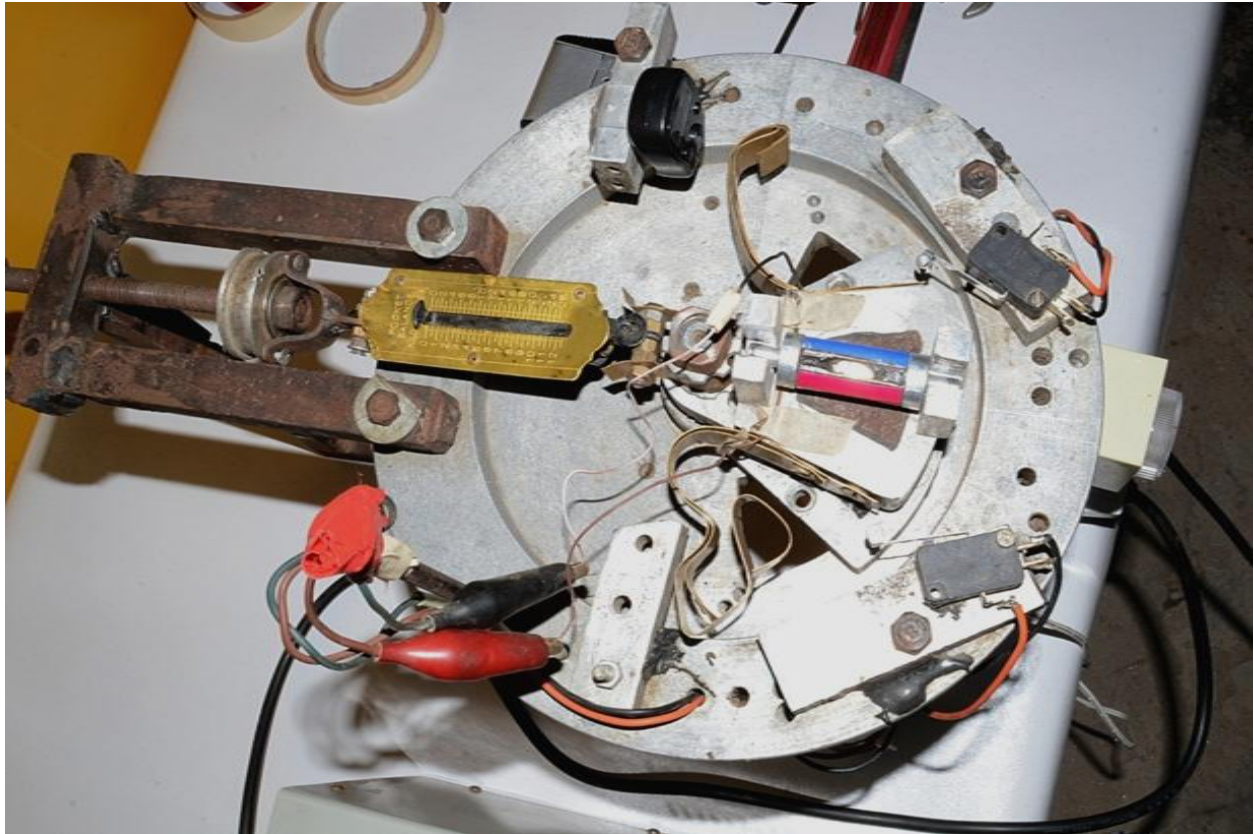
When the rotating permanent magnet is not installed on the electromagnet, a particular amount of efficiency is acquired using a particular amount of input electricity. Figure:



<https://drive.google.com/open?id=0B3vaD073FnNxRIB3S3dfbGszemc>

Unique function of rotating permanent magnet:

When the rotating permanent magnet is installed on the electromagnet, efficiency of the actuator jumps 60% higher using the same amount of input electricity. Figure:



<https://drive.google.com/open?id=1iwZT0JGYboZ3Ku83lxcciKZs535EAqFL>

Result:

Rotating magnet provides 60% more efficiency.

Note: During both kinds of actuator work, stronger permanent magnets field-poles than designed permanent magnet field-poles were also used. No extra efficiency was produced.