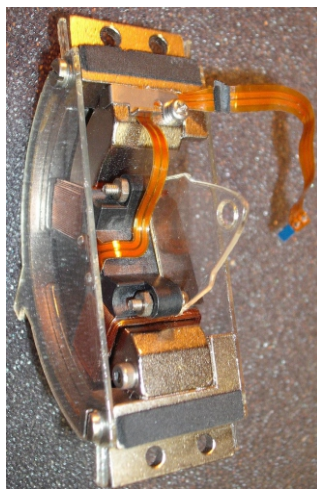
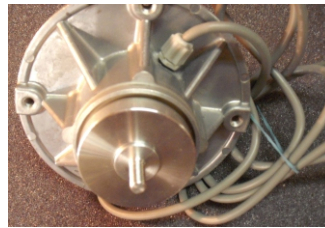


## MAGNETIC HARVESTERS

Our other constructions:

- Terfenol-D type probe to test the harvesting capability of mechanical constructions,
- device with composite magnetic core and special magnetic circuit,
- twin harvesters (devices consisting of two magnetic circuits with a total power of about 1 W) targeted at piping systems.



Harvesters based on mechanical resonance of the magnetic circuit:

- mounted in structures, where their moving parts cause vibration of the whole structure,
- mounted in structures whose propulsion is powered by a 50/60 Hz AC power supply,
- suspension components assure the mechanical resonance,
- recovered electric power is between 10-200 mW and depends on the size of harvester,
- possibility to add additional mass, which can triple

Harvester with a high increase of voltage under influence of coil movement:

- high voltage up to about 200 V,
- attached to elements with moving parts which have a large linear displacement up to 30 mm,
- small frequency of magnetic circuit movements is able to provide power,
- may be used as a power supply for piezoelectric patches in the feedback mode.



Harvester with movable martensitic stainless steel core:

- the device uses only a linear movement of the core,
- compact and flat design,
- characterized by a high current efficiency,
- main applications are self-powering systems which use linear movement, such as ID card readers.

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