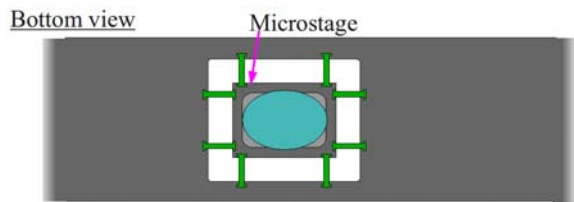
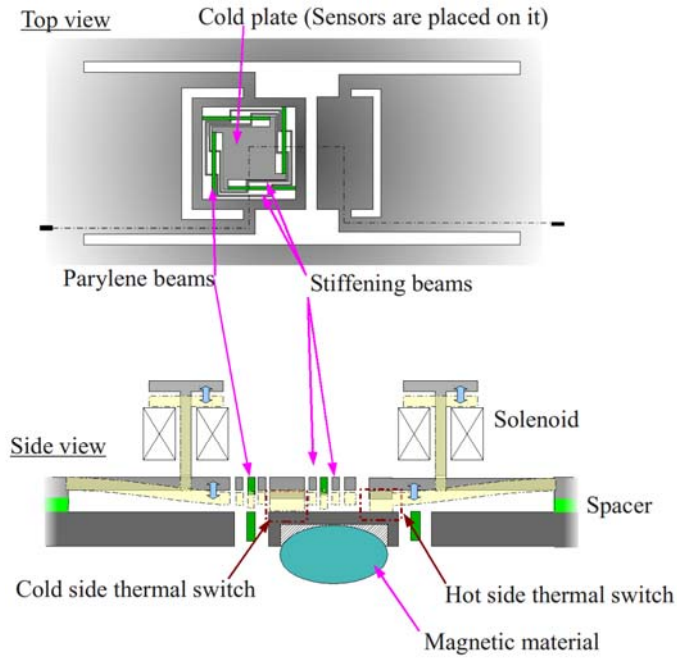
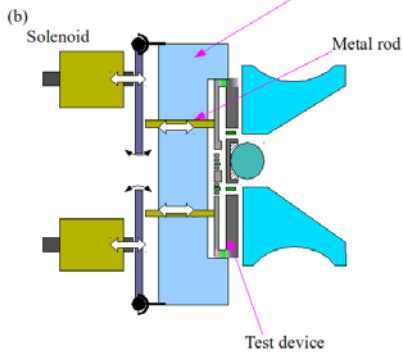
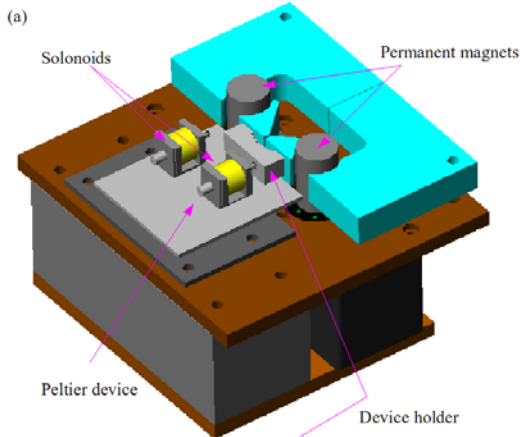


Micro Refrigeration System



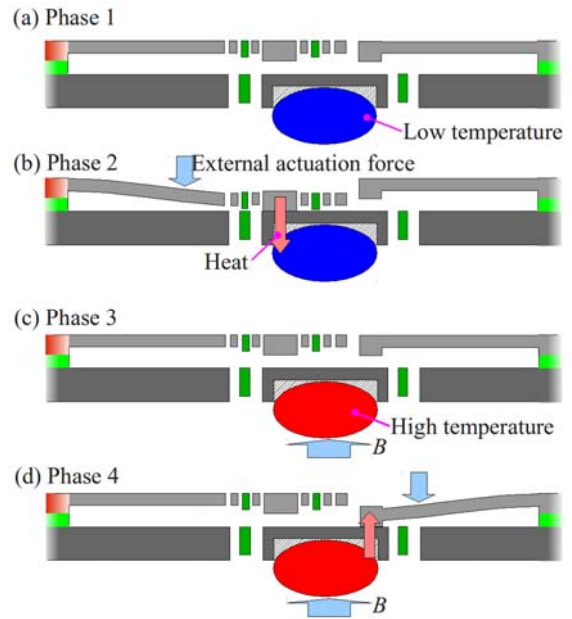
Micro magnetic refrigerator for cooling of micro devices



Refrigeration system

Rotating permanent magnets generate modulated magnetic field

Magnetic field induced temperature change of the magnetic material



Refrigeration cycle (a)Adiabatic demagnetization (b)Heat dissipation from cold plate (c)Adiabatic magnetization (d)Heat dissipation to ambient.

