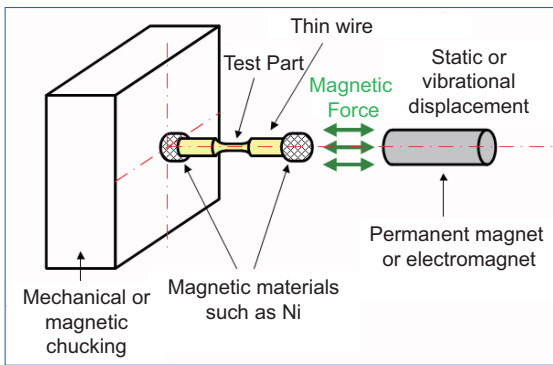


Noncontact Type Fatigue Testing Machine for Micro Materials

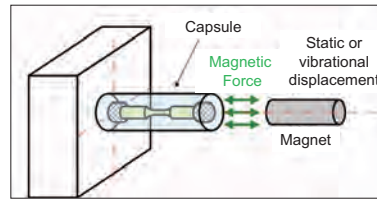
Division of Industrial Innovation Sciences, Graduate School of Natural Science and Technology, Okayama University

Naoya Tada

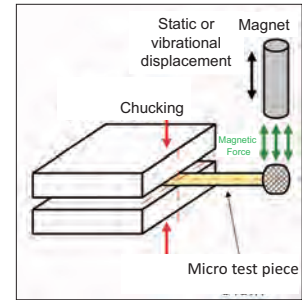
➤ Noncontact Loading



◆ Advantage



1) Easy encapsulation.



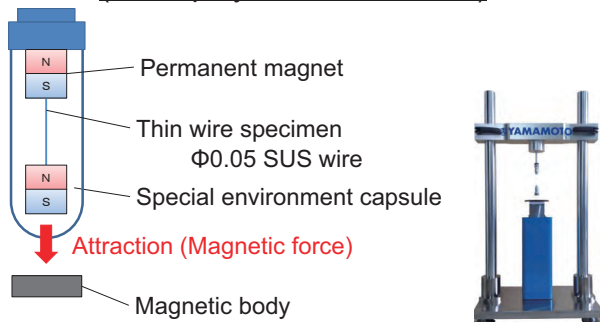
2) Flexible loading direction.

Noncontact loading to the specimen using magnetic force of permanent magnet.

➤ Applications

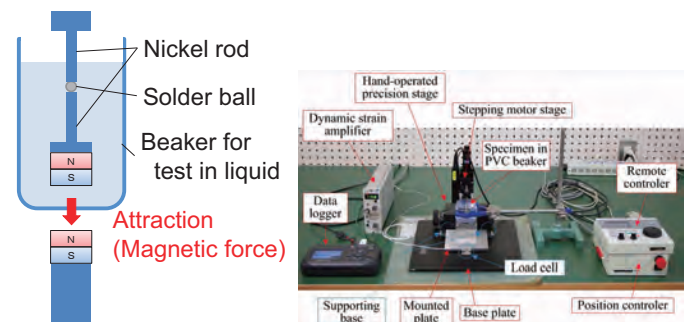
Fatigue Testing Machine for Micro Materials

Fatigue tensile test in liquid
(on display at exhibition hall)

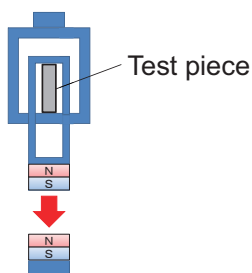


Tensile Testing Machine for Solder Joint

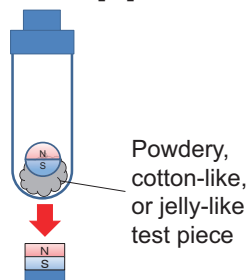
Evaluation of solder joint strength not only in air but also in special environments such as in liquid.



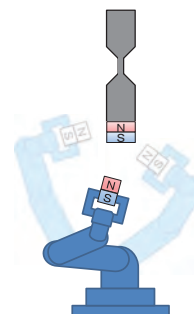
➤ Various Prospective Applications



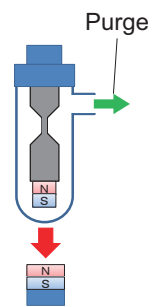
Compression



Compression and crushing



Actual load simulation



High vacuum environment