

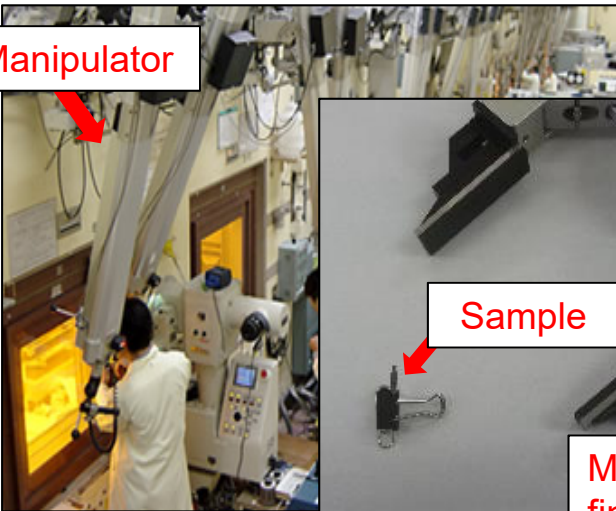
Fabrication Techniques of the Sample Supporting Jigs for Post Irradiation Examination with 3 D Printer



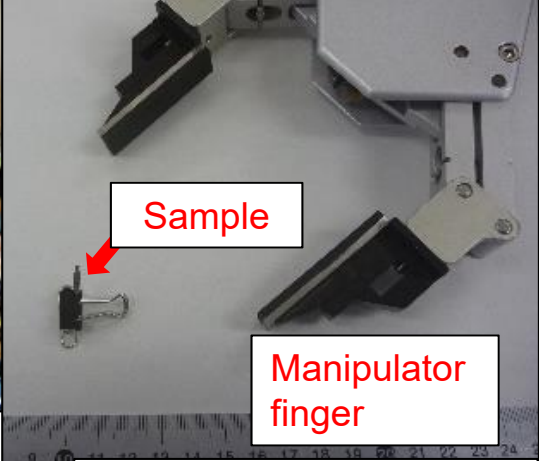
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Background

Operation room



Manipulator



Sample

Manipulator finger

Difference Size

Difficult Handling

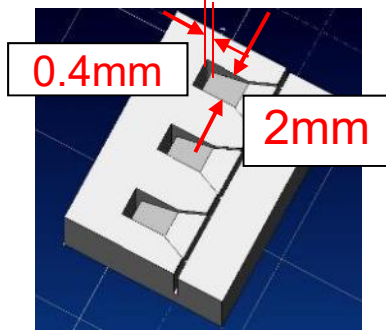
SAVE COST

Low priced 3D printer (\$300)



First Trail

Molding the jig for SEM observation



Failure

Design of the jig

Research1

Character of the 3D printer



Research2

Application to SEM Observation
Application to Metallography

No Problem



SAVE TIME

The jigs are manufactured by machining process (Long Time : 1 Day) → 3D printer (Short Time : 1.5 hours)