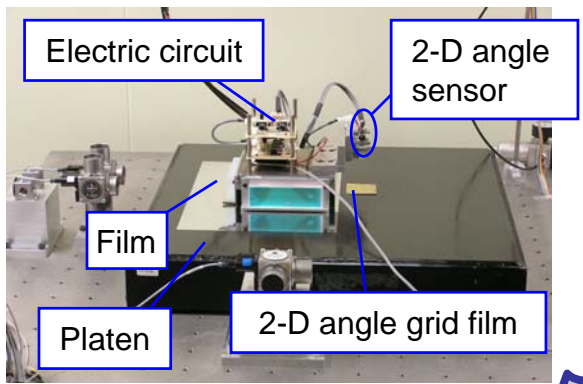
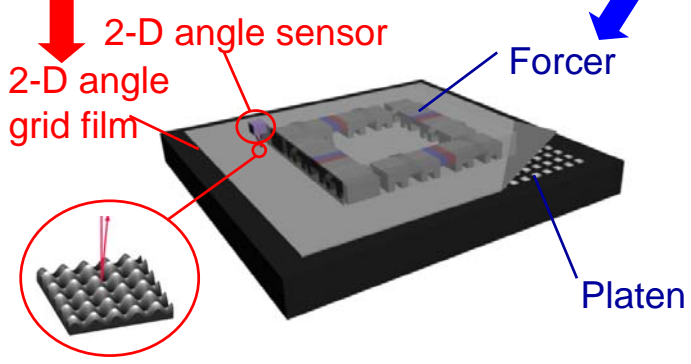
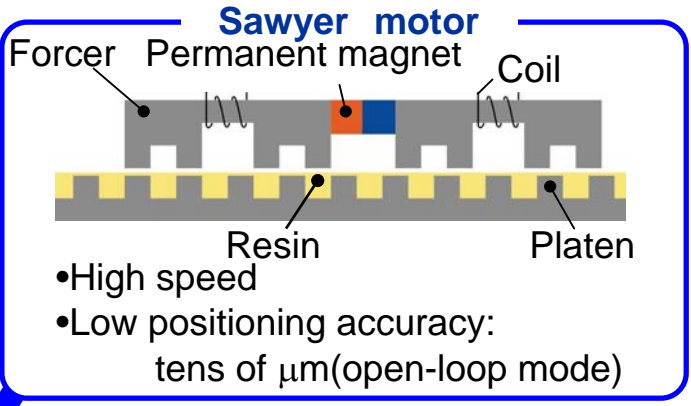
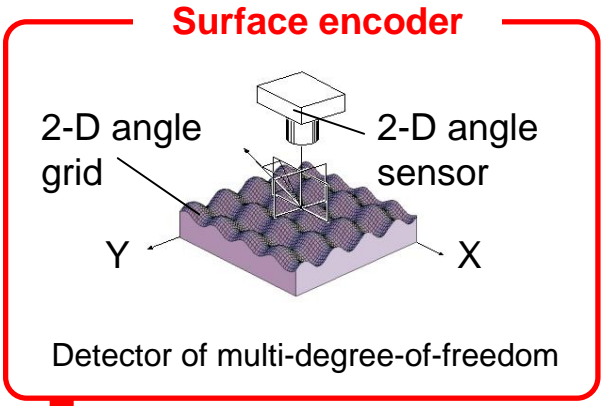


Precision positioning of a sawyer motor

JPPN 2005-268608

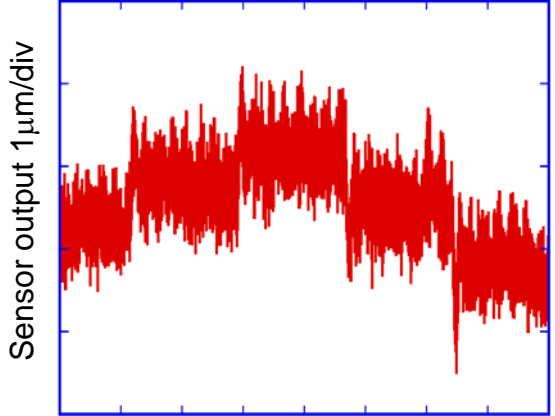
Stage System

Purpose: Sub- μm precision positioning by applying a surface encoder to a sawyer motor



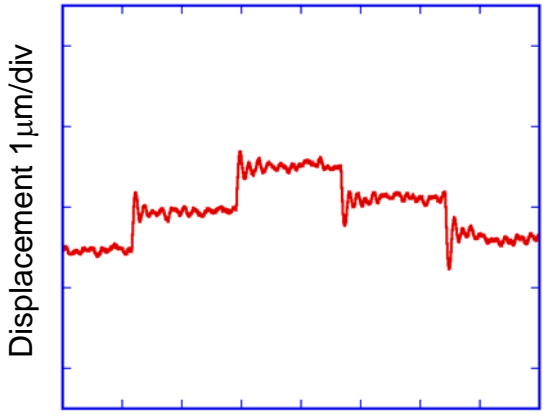
High speed & high positioning accuracy

Precision Positioning Experiment



Time 0.5sec/div

Surface encoder output



Time 0.5sec/div

Laser interferometer output

Sub- μm positioning resolution is achieved