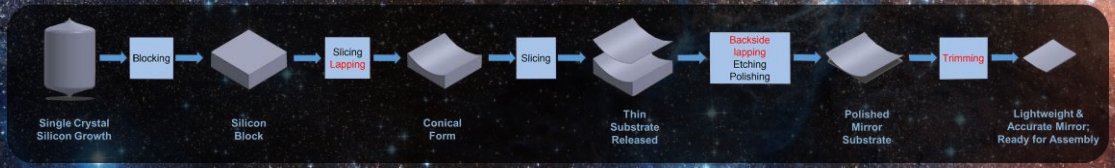
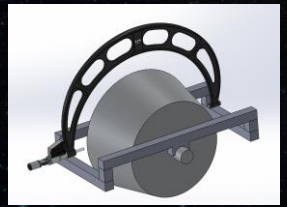
Silicon X-Ray Optics Manufacturing and Assembly

Sam Colosimo he University of Portland
Next Generation X-Ray Optics, Nasa Goddard Space Flight Center (662)



Lapping Tool Measurement

Lapping Machine

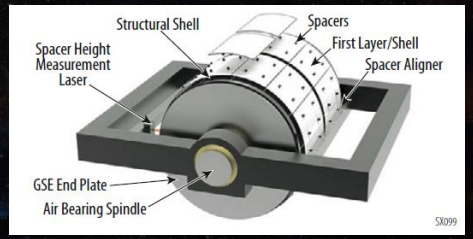


Measurement Process

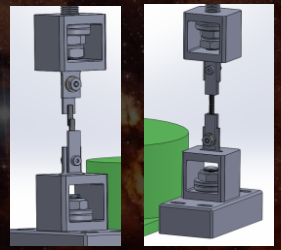
Micrometer Frame

- New Lapping Machine built and tested.
- Assistive device for tool measurement prototyped.

Post Bond Test Fixtures



Meta Shell Assembly



Lap Shear and Tensile Test Fixtures

- Application specific Lap Shear and tensile Tests
- Test Fixtures Designed and assembled
- Baseline tests performed with aluminum samples