

**Sr. Systems Engineer, Stage Design
Portland, OR**

Growing Automation company in the Portland metro area seeks a Senior Level Engineer with a Mechanical or Systems Engineering background and 5+ years direct experience of precision stage design to work as the organization's expert in stage design.

- Precision stage design to meet cost and performance targets.
- Actuator selection including servo and stepper motor technologies.
- Ball screw and direct drive linear motion applications.
- Use of a variety of bearing technologies including recirculating ball bearings, cross-rollers, and air-bearings.
- Selection and integration of feedback mechanism including rotary and linear encoders.
- Vibration isolation technologies.
- Validation testing experience for static and dynamic performance.
- Experience with volumetric calibration and compensation techniques.
- Experience with FEA and modal analysis for stage dynamic analysis and validation a plus.
- Servo loop application including feedback and feedforward control a plus.

Interested? We would like to tell you more about this position. Please email your resume or questions to Scott Thompson at sthompson@lexiconsolutions.com