

ORS-1000 Air Bearing Optical Radius Slide

High Accuracy Linear Straightness - 1 Meter Travel !



ABTech, Inc's precision air bearing linear slides offer a high accuracy solution to the most demanding **optical radius inspection** applications. The fully captured air bearing carriage offers friction free motion while the natural granite rail provides a stable and straight guide way.

The top surface of the moving carriage is a precision ground nickel plated steel platform with 1/4-20UNC-2B tapped holes located on 1.00" centers to accommodate magnetic stands or optical mounts.

The optical radius slide has a fine adjustment feature that incorporates a 40 pitch screw with worm gear and hand wheel that allows for precise movements below 1 μ m steps.

A Heidenhain glass scale completes the stage providing position feedback to the operators digital read out display.

ABTech's modular design approach and full engineering services can respond quickly to provide a solution to your O.E.M. needs for Ultra-precision linear motion.

Features:

- Natural granite rail
- Straightness of travel: 2.5 μ m per meter
- 1 meter travel standard
- 12" x 12" work surface w/ 1/4-20 tapped holes on 1.00" centers
- Fine adjust feature w/ manual lock
- Heidenhain glass scale: 1 μ m accuracy per meter
- Heidenhain digital readout
- Custom travel lengths available upon request
- Custom systems including optical benches or granite bases
- Custom tooling and fixturing design

- Mechanical bearing optical radius stages available. Consult ABTech, Inc. with your specifications.