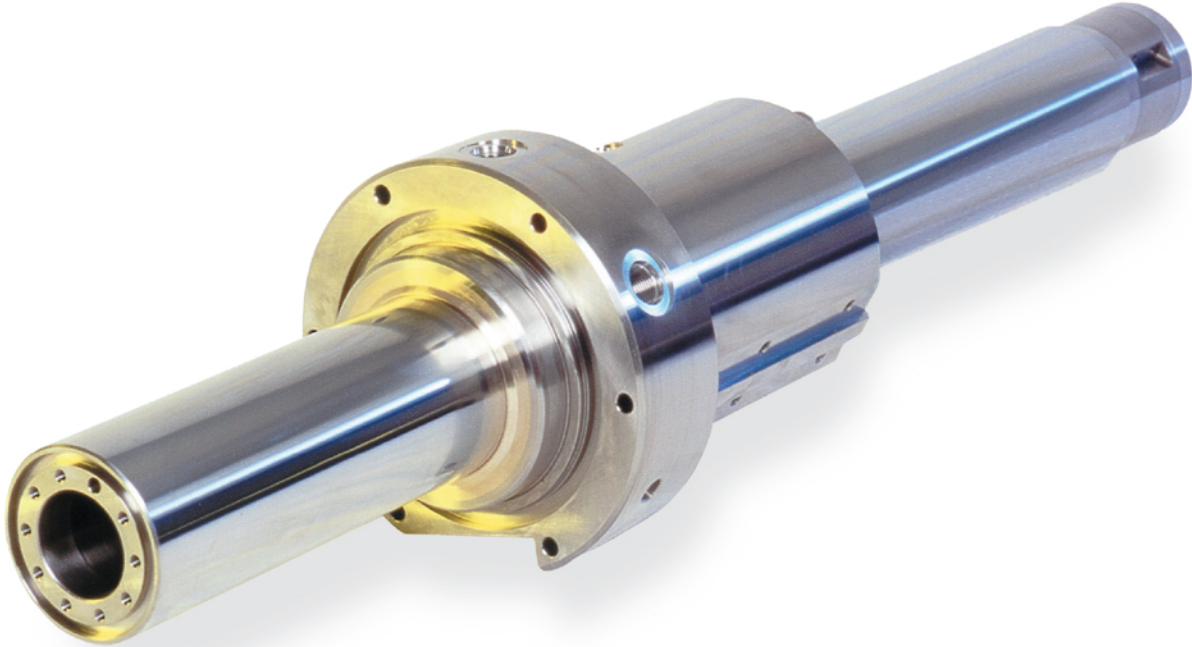


Air bearing linear slide



For very specific applications involving linear motion in high vacuum conditions in the semiconductor industry, Westwind has developed high stiffness, low flow linear air bearings spindles. The use of air bearings ensures ultra smooth, low friction motion, with no risk of contamination to the vacuum process. Long spindle life is gained by the use of a non-contacting seal system between the high vacuum chamber and the main air bearing journal, and the correct selection of high quality materials specific to the type of vacuum process.

With a linear stroke length up to 20" (508mm), and a hollow shaft through which services can be supplied to the high vacuum end, the Westwind linear slide spindle can be applied to a variety of applications. The shaft can even be rotated simultaneously during its linear motion to allow for accurate angular positioning. The linear slide can also be supplied as a complete package including motors and drives.

Linear Slide Benefits

- Oil-free operation
- Ultra smooth motion
- Stroke length up to 20"
- 360° rotation
- 700 lbs.in. moment load
- Operates in high vacuum

Westwind Air Bearings

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