



**PRESS RELEASE**

7 June 2018

## V-508 PIMag linear stage

Physik Instrumente, a global leader in the design and manufacture of high precision motion control systems has launched V-508 PIMag magnetic drive compact linear stage.

The PIMag magnetic direct drive does not use mechanical components in the drivetrain, with it's 3-phase magnetic drive transmitting the drive force directly to the motion platform without friction. The V-508 has the following key features:

- Travel range: 80, 170 and 250mm
- Resolution: 78nm
- Incremental or absolute encoders
- Minimum incremental motion: 0.5nm
- Velocity: 1 m/s
- Bidirectional repeatability:  $\pm 50$ nm
- Load capacity: 100N
- Highly compact form factor

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