



**PRESS RELEASE**

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## V-738 PIMag high precision XY stage

Physik Instrumente, a global leader in the design and manufacture of high precision motion control systems has launched V-738 PIMag magnetic drive high precision XY 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. Key application areas include: laser cutting, metrology, scanning and microscopy. The V-738 has the following key features:

- Travel range: 102 x 102mm
- Resolution: 1nm
- Incremental linear encoders
- Minimum incremental motion: 20nm
- Velocity: 0.5 m/s
- Bidirectional repeatability:  $\pm 25$ nm
- Load capacity: 100N
- 150 x 150mm aperture

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