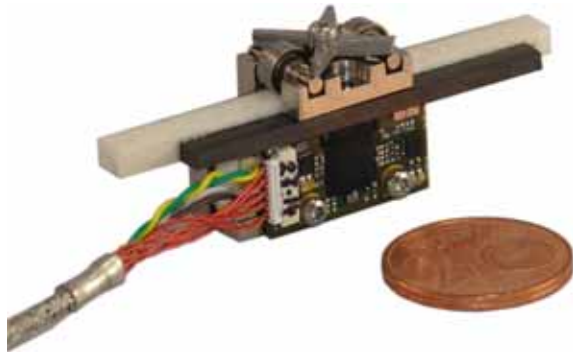


Linear Piezo with integrated encoder



LPE

- PiezoMotor driven system
- Travel range up to 80mm
- Bidirectional repeatability down to 20nm
- Maximum operation speed 10mm/sec
- Intergeated zerodrift encoder with 10 nm resolution
- Force 10N
- High stiffness and fast response.
- Material Stainless steel,
- Vacuum compatibe
- flexible cable
- optional ballbearing guided on 3 sites

The LPE product group is a customized PiezoMotor with integrated magnetic encoder and optional a ballbering guiding around the rod. There are several magnetic encoders and a cuppling available.

Specifications:

LPE			
dimension mm	10.8*22*19		
Rod L (mm)	22 to 100		
Travel range (mm)	Rod lenth – 15mm		
Force (N)	6 - 10		
Open loop stiffness (N/μm)	3		
operation speed (mm/s)	10		
fast movement** (mm/s)	50		
Hybrid encoder V2 (nm) with ABZ, 18mA @ 5V ***	61(10)		
Hybrid encoder V3 (nm) with ABZLL, 18mA @ 5V ***	61(10)		
Hybrid encoder V4 (nm) with ABZ, 3mA @ 5V ****	10		
Bidirectional Repeatability (Encodercounts)	2		