

Newsletter, March 2019

Topics:

- 1. Our Booths at upcoming Shows
 - 2. Products
 - 3. Application: High Dynamics Drive for Valves, 200 μm , 600 Hz
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- 1. Talk to our specialists. See piezo-systems in action:

Control 2019
Hall 6, Booth 6508
Stuttgart, Germany
07–10 May 2019



LASER World of Photonics
Hall 2, Booth 501
Munich, Germany
24–27 June 2019



- 2. Products

We offer a complete portfolio of nano-positioners and scanners for [Mikroskopy](#):

- Shifters for Objectives
- Turret-Positioners
- Lifting Stages
- Inserts for Lifting
- XY-Stages
- XYZ-Stages
- Ranges to 1 mm

Are you missing the suitable product for your application? Then please contact us. We make it for you.



L2S/L3S XY- and XYZ Scan/Track-Stages

- Flat, only 30 mm
- Aperture, 66x66 mm
- Ranges to 600x600x300 µm



EBD-1202n0 Digital-Controllers

- 1-3 Channels
- Piezo-Output -45 to +180 V
- Sensors, SGS or Capacitive
- USB, Ethernet, RS232
- Analogue Interfaces
- Arbitrary Wave-Generators
- Data-Recorder



➤ 3. Application: High Dynamic Drives for Valves, 200 µm, 600 Hz

Piezo-Drives can actuate small ranges with highest precision. This dedicates them as drives for valves, which dispense smallest volumes of liquids. Piezo-Drives of nanoFaktur are the key-components for generation of drops that are too small to be visible. On the other hand, piezo-drives are able to dynamically open arbitrary valve-ranges thus drop-volumina. For preparation of the gluing-assembly of flat-screens, drops become visible with the help of a microscope: Lined up like a string of pearls on the fast passing surface, 600 shots per second. Precision in combination with large throughput for industrial assembly!



Piezo-Drive for Valve, 200 µm



Power-Source