

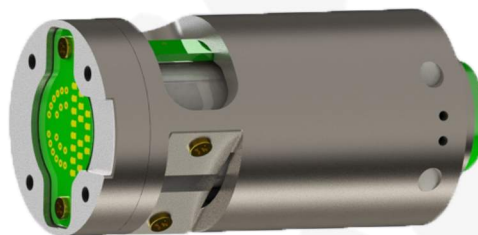


# XYZ NanoPositioner

- Small Size
- Capacitive Position Sensor
- 1  $\mu$ m resolution
- Low Temperature Operation

## System Specifications

- Small Size  $\varnothing 21,6\text{mm} \times 43\text{mm H}$
- 10mm Motion in Z, 5-500nm step size
- 5mm Motion in XY, 5-500nm step size
- Low Temperature Operation 10mK-300K
- Magnetic Field up to 45T
- Capacitive Position Sensor with 1  $\mu$ m resolution
- No Heat Dissipation
- High Vacuum Operation to  $10^{-6}$  mbar
- No need for low electrical resistance wires, up to 500 $\Omega$
- Sample holder PCB with 5 electrical contacts to specimen



# NanoPositioner Control Electronics

## System Specifications

- Three Axis Nanopositioner Control Electronics
- USB 2.0 Interface
- Lab View Drivers
- Universal Power Supply, 100-230VAC
- 0-200V peak adjustable drive voltage
- Joystick
- Single Step / Continuous operation
- X, Y, Z Capacitive Encoder Operation

