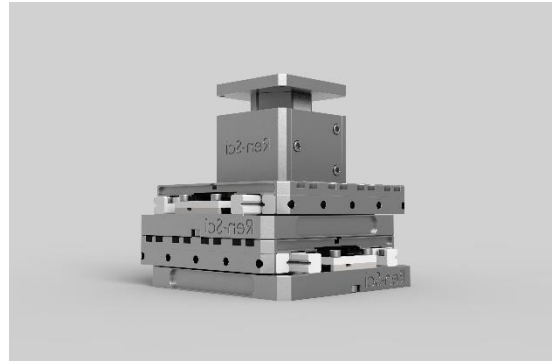


NP-450 Series

Cryogenic XYZ Nanopositioner Stack



Description: The NP-450-XYZ is a 3 axis, Cartesian, piezo-controlled motor set for cryogenic operation.



Technical Specifications:

Range (mm)	20 x 20 x 5
X Capacitance (300K / 4K)	6 nF / 1 nF
Z Capacitance (300K / 4K)	20 nF / 3 nF
Actuation	Shear PZT Ceramic
Drive Amplitude (Volts; bipolar)	+/-10 to +/-300
Drive Frequency (Hz)	10 to 2000
Materials	Ti (CP), BeCu, PZT Ceramic
Magnetization	< 10 nT
UHV Compatibility	To 1.0×10^{-11} mBar
Bakeout	To 120°C
Interface	Touchscreen; specify voltage, frequency, no. steps, axis select

