

OPTICAL CHASSIS



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Nanotec's® optical SPM chassis for SFM/STM has X-Y motion control via built-in micrometer screws. Our open configuration is designed for ease with sample and head interchange. The chassis also provides a support base for the piezo tube scanner and its electrical connections which are protected by an anodized steel tube. This chassis is designed for use with our Optical Microscope for accurate positioning of sample for viewing of selected features.

Approach:

- Motorized automatic approach and two micrometer screws allow for rapid software controlled and manual adjustment
- Three magnetic cylinders support the SPM head, allowing effortless laser alignment and straightforward tilt adjustment for the head, simplifying cantilever selection when using multicantilever chips

Open configuration:

- Easy access to the approach system for either manual or automatic approach
- Easy interchange between different piezoelectric scanners



Optional Optical Microscope Add-on. Shown with SFM Head

Vibration isolation:

- Four sorbothane vibration supports provide overall isolation for the entire system
- Two springs are provided to securely clamp the SPM head

Atmosphere control:

- Glass bell jar provided for atmosphere control as well as acoustic and thermal isolation
- Three access holes for easy gas exchange by backfilling

QUICK SPECIFICATIONS**	
DIMENSIONS:	30 x 30 x 25 CM (12 x 12 x 10 IN)
AVAIL. HORIZONTAL SAMPLE SIZE:	2 x 2 CM (0.8 x 0.8 IN)
AVAIL. VERTICAL SAMPLE SIZE:	7 MM (0.28 IN)
MAX SAMPLE WEIGHT:	10 GRAMS
COARSE HORIZONTAL POSITIONING RANGE:	3 x 3 MM (0.12 x 0.12 IN)
MICROMETER APPROACH RANGE:	13 MM (0.5 IN)

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