

**Technical specifications:
Nanotec Scanning Probe Microscope
SPM Classic Chassis**



SPM Classic Chassis with motorized tip-sample approach and control board

Nanotec® standard chassis for SFM/STM. It consists on a basis of 30 x 30 cms over which the SFM chassis is mounted. Between the table and the chassis there is an allocated place for the scanner and its connections. Those are protected by a surrounding anodized steel tube.

Overall Dimensions: 30 x 30 x 25 cm (12 x 12 x 10 inch)
Available horizontal sample size: 2cm x 2cm (0.8 x 0.8 inch)
Available vertical sample size: 7mm (0.28 inch)
Coarse horizontal positioning range: 3mm x 3mm (0.12 inch x 0.12 inch)
Three magnetic cilinders for holding the head apart during laser adjustment or sample handling
Approach:
One motor for the automatic approach and two micrometer screws for manual approach.
Approach micrometer screws range: 13mm (0.5 inch.)
The three support points allow easy selection of any tilt direction for the head, providing easy selection of the cantilever to use when using multicantilever chips
Open configuration:
Easy access to the approach system for manual or automatic approach
Easy swapping of the piezoelectric scanner
Vibration isolation:
Four soft-balls are provided to give a basic isolation for the system.
Two springs for retention of the head
Atmosphere control:
Glass cover for atmosphere control and acoustic and ambiental isolation.
Three configurable holes - 12mm (0.47 inch.) diameter - for atmosphere control.
Other options: Mini chassis, or optical chassis for systems combined with optical microscope

