

TECHNICAL SPECIFICATIONS: AFM/SPM

The AFM was designed to operate with two scanning configurations. Each set up allows working with samples having the following characteristics:

Scanning by sample

- Diameter – up to 40 mm
- Height – up to 15 mm
- Weight – up to 100 g
- Scan area (X-Y) 90 microns x 90 microns with a Z range of 5 microns

Scanning by probe

- Diameter – up to 100 mm
- Height – up to 50 mm
- Weight – up to 300 g
- Scan area (X-Y) 90 microns x 90 microns with a Z range of 5 microns

Accessories

- Hot stage for heating of the sample up to 250⁰C
- Liquid/Gaseous cell for AFM measurements in liquid and gaseous media in the temperature range from -30 to +170⁰C