

<b>Instrument title:</b>	<b>NT-MDT Stand Alone "SMENA" Scanning Probe Microscope</b>																
<b>Photo:</b>																	
<b>Technical details:</b>	<p><b>Measuring modes:</b></p> <p><b>In air:</b>  Contact AFM/ LFM/ ResonantMode AFM (semicontact + noncontact)/ Phase Imaging/ Force Modulation (viscoelasticity)/ Adhesion Force Imaging/ Spreading Resistance Imaging/ SCM/ SKM/ MFM/ EFM/ AFM, Voltage, RM Lithographies</p> <p><b>Technical specification</b></p> <table border="1" data-bbox="491 996 1422 1384"> <tr> <td>Sample Size</td> <td>Unlimited <i>Note: Small samples (up to 100x100x20mm) can be placed between the SMENA head legs.</i></td> </tr> <tr> <td>Scanner</td> <td>50x50x2.5µm</td> </tr> <tr> <td>Min. Scanning Step</td> <td>0.006nm; 0.012nm</td> </tr> <tr> <td>Scan Type</td> <td>By Probe</td> </tr> <tr> <td>Sample positioning range</td> <td>5x5mm</td> </tr> <tr> <td>Positioning resolution</td> <td>5µm</td> </tr> <tr> <td>Optical viewing system</td> <td>Numerical aperture 0.1 Magnification 58x to 578x Horizontal field of view 2 to 0,51mm</td> </tr> <tr> <td>Control System</td> <td>SPM Controller</td> </tr> </table>	Sample Size	Unlimited <i>Note: Small samples (up to 100x100x20mm) can be placed between the SMENA head legs.</i>	Scanner	50x50x2.5µm	Min. Scanning Step	0.006nm; 0.012nm	Scan Type	By Probe	Sample positioning range	5x5mm	Positioning resolution	5µm	Optical viewing system	Numerical aperture 0.1 Magnification 58x to 578x Horizontal field of view 2 to 0,51mm	Control System	SPM Controller
Sample Size	Unlimited <i>Note: Small samples (up to 100x100x20mm) can be placed between the SMENA head legs.</i>																
Scanner	50x50x2.5µm																
Min. Scanning Step	0.006nm; 0.012nm																
Scan Type	By Probe																
Sample positioning range	5x5mm																
Positioning resolution	5µm																
Optical viewing system	Numerical aperture 0.1 Magnification 58x to 578x Horizontal field of view 2 to 0,51mm																
Control System	SPM Controller																
<b>Application example:</b>	Optical and Magnetic Storage, Coating and Polishing Quality Control, Large Optics, Polymers, Biology and Medicine, Semiconductors, Materials Science and many others.																
<b>Responsible:</b> (name, second name, e-mail)	Aleksejs Kuzmins ( <a href="mailto:a.kuzmin@cfi.lu.lv">a.kuzmin@cfi.lu.lv</a> )																