

# Keysight 5600LS AFM

## Enhanced Sample Versatility: 2-Inch Multi-Sample Wafer Vacuum Chuck

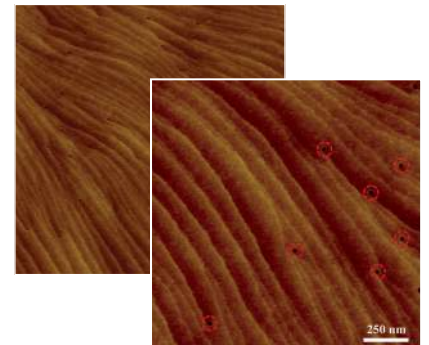
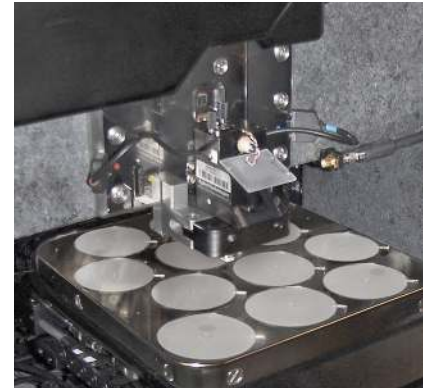
The Keysight Technologies, Inc. 5600LS AFM, already one of the most versatile atomic force microscopy systems on the market (with a fully programmable 200mm stage that allows complete access over a full 200mm in X/Y travel), has added yet another highly useful configuration.

A new 2" (52mm) multi-sample wafer vacuum chuck can now be added to the Keysight 5600LS AFM, providing system users the ability to image up to one dozen 2" wafers. Important to the growing LED market (e.g., GaN devices on sapphire substrates) and to a variety of optoelectronics devices on InP and GaAs wafers, this multi-sample wafer vacuum chuck option allows unattended automation of imaging and measuring up to 12 samples.

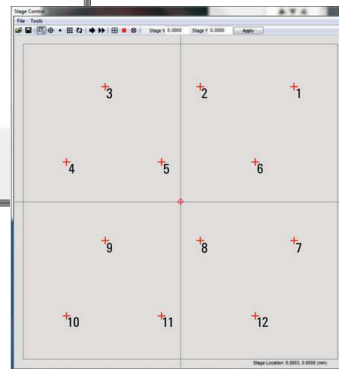
Ideal for process development and monitoring, the Keysight 5600LS AFM has a high-precision 200mm X/Y stage and built-in automation to create complex automated imaging on multiple samples.

Whether you are monitoring an existing process or working to define a new generation of devices, the Keysight 5600LS AFM offers powerful tools and imaging modes to deliver uncompromising performance on your samples.

Contact your sales representative today for more information or to receive a quotation for this new option



	Type	X(mm)	Y(mm)	Image Parameters	Spect Parameters
1	Point	72.5000	72.5000	ON	OFF
2	Point	12.5000	72.5000	ON	OFF
3	Point	-47.5000	72.5000	ON	OFF
4	Point	-72.5000	25.0000	ON	OFF
5	Point	-12.5000	25.0000	ON	OFF
6	Point	47.5000	25.0000	ON	OFF
7	Point	72.5000	-25.0000	ON	OFF
8	Point	12.5000	-25.0000	ON	OFF
9	Point	-47.5000	-25.0000	ON	OFF
10	Point	-72.5000	-72.5000	ON	OFF
11	Point	-12.5000	-72.5000	ON	OFF
12	Point	47.5000	-72.5000	ON	OFF



The programmable stage allows user to pre-select points on each wafer that are to be imaged.

Topography images of GaN films grown on sapphire. Bottom image shows local defects circled in red.

## AFM Instrumentation from Keysight

Keysight Technologies offers high-precision, modular AFM solutions for research, industry, and education. Exceptional worldwide support is provided by experienced application scientists and technical service personnel. Keysight's leading-edge R&D laboratories are dedicated to the timely introduction and optimization of innovative and easy-to-use AFM technologies.

[www.keysight.com/find/afm](http://www.keysight.com/find/afm)

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