

XY-A100: Motorized stage for fast mapping of coatings at Cartesian coordinates

XY-A100 linear stage is a dedicated accessory for FR-pRo tools. The linear stage which provides a 100mm of travel along X and Y is suitable for Reflectance measurements while the sample is secured through vacuum.

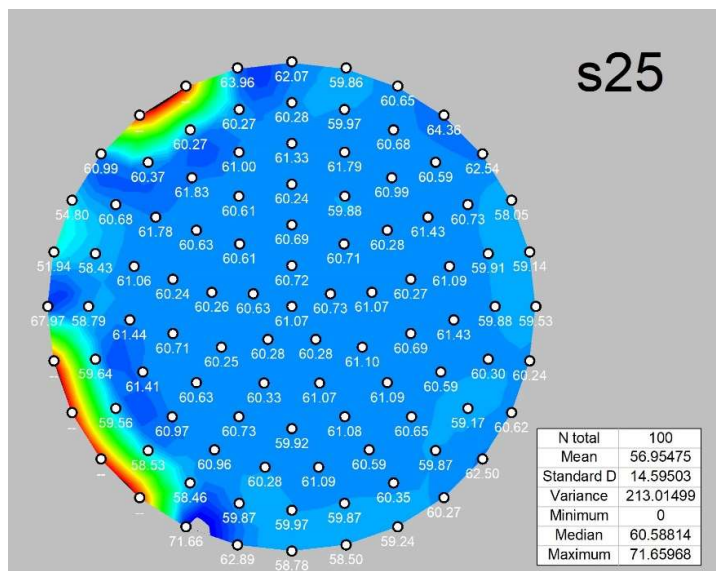
XY-A100 linear stage allows for the automatic, through FR-Monitor, thickness & optical properties mapping of samples fast, easily and accurately.

Other scanning ranges are available upon request.

Features

- Travel range: 100X100mm
- Sample: Dia. 100mm (max)
- Accuracy: 5µm in each axis
- Reflectance
- Stage size: 430x430x300mm

The **XY-A100 stage** is compatible with any FR-pRo tool and can be employed in the characterization of coatings on any substrate (wafer, square, arbitrary shape) up to 100X100mm in size. The sample is hold down through vacuum provided by any standard pump, or vacuum line.



Thickness mapping of a 4inch Si wafer coated with thick photoresist film. The results (number of points under characterization, mean thickness (microns), standard deviation etc) are listed in the table at the bottom lefts.