

Germanium

APP Note



Ø44 mm



45 mm



<1 nm



0.110 µm



2.4 µm/rev



1 mm

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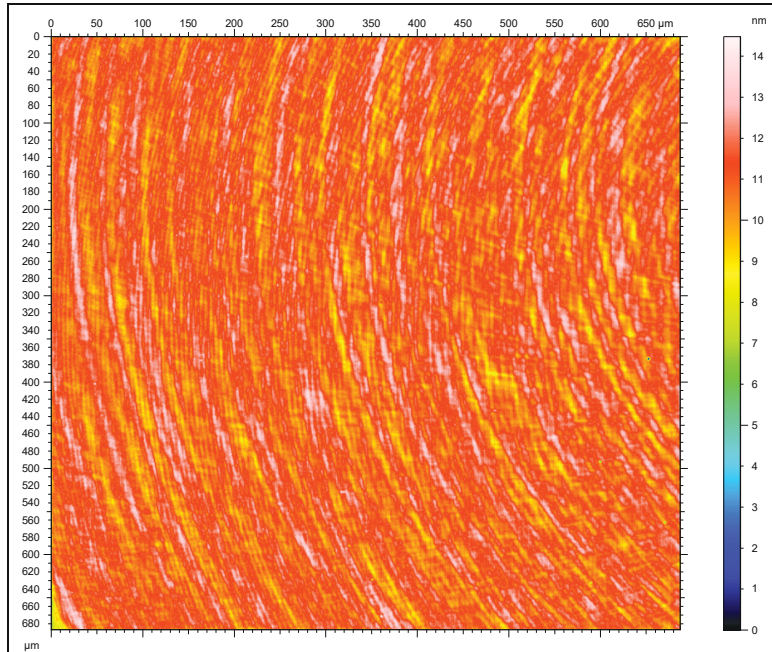


Cutting Edge Precision  
Laser Focused



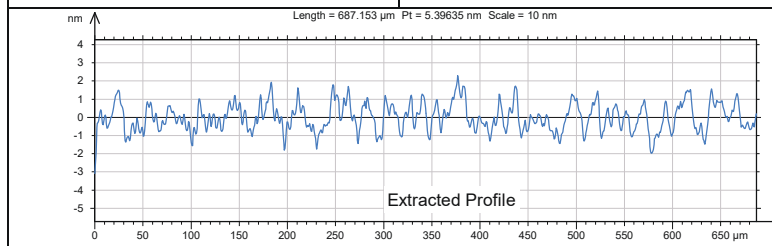
# µ-LAM Metrology Lab

Germanium 2.4 µm/rev



Sq = 0.796573 nm  
Sa = 0.635119 nm

Gaussian Filter: 80µm



LUPHOscan 260

Sample name	Ge_44mm_asphere	1/1
Sample type	Asphere (CC)	
Sample description	Ge 38.4mm CA CC	
User	DZ	
Metrology system / Software version	LuphoScan260 / 1.4.2	
Date	Apr 10, 2019 - 10:45:06	

Elapsed time [min]	3:21
Spiral pitch [mm]	0.15
Data density [mm <sup>2</sup> ]	44
Data points	75807
Temperature [°C]	22.9
Aperture [mm]	38.4
Mean value filter [mm]	0.4
Slope error band [mm]	1.0
Spheric radius optimization	compensated
Deviation	orthogonal
Tilt X / Y [°] (c)	254.06 / 11.21
Off-center X / Y [µm] (c)	55.537 / 2.853
Optimized base radius [mm] (c)	-45.51722
Power deviation [µm] (c)	-44.766
Peak to valley 100 / 99 [µm]	0.134 / 0.110
Root mean square [µm]	0.022
Slope error ave [mrad]	0.023
Slope error max [mrad] (X,Y)	0.081 (-11.93 , 3.23)
Slope error rms [mrad]	0.015
Astigmatism [µm]	0.025

