

Stainless Steel  
[Stavax]  
APP Note

Ø35 mm

75 mm

4-8 nm Ra

0.300 µm

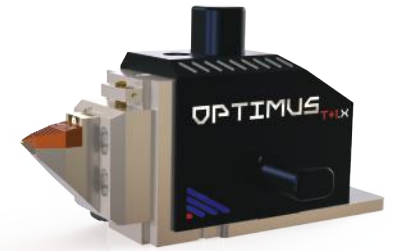
1000 RPM  
1 µm/rev

1 mm

Micro-LAM, Inc.  
www.micro-lam.com  
+1 (269) 288 - 4100

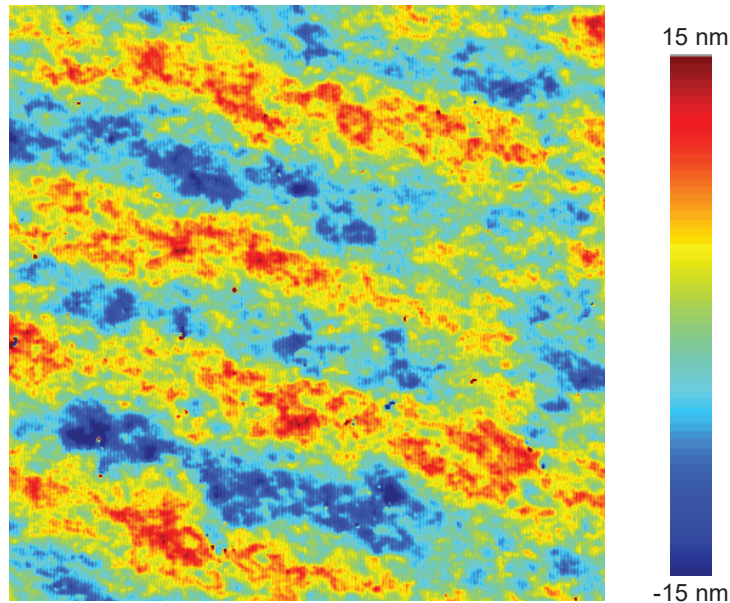


Cutting Edge Precision  
Laser Focused



# Micro-LAM Metrology Lab

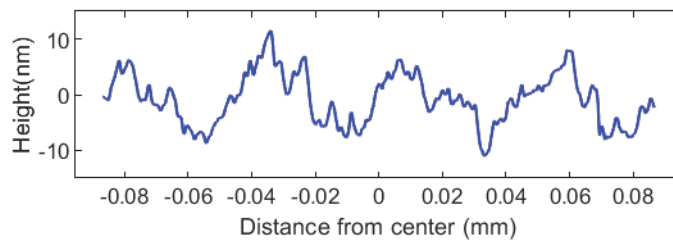
## Stainless Steel (Stavax)



FOV: 0.415 x 0.415 mm

Sq = 3.914 nm  
Sa = 3.092 nm

Gaussian Filter: 80µm



LUPHO Specialists

Sample name	Stainless Steel
Sample type	Sphere (CC)
Sample description	glass sphere
User	THP
Metrology system / Software version	LuphoScan260 / 1.4.2
Date	Jun 04, 2019 - 16:20:44

Elapsed time [min]	2:27
Spiral pitch [mm]	0.19
Data density [1/mm <sup>2</sup> ]	28
Data points	35197
Temperature [°C]	21.3
Aperture [mm]	35.0
No filter	/
Slope error band [mm]	1.0
Spheric radius optimization	compensated
Deviation	orthogonal
Tilt X / Y ["] (c)	0.00 / 0.00
Off-center X / Y [µm] (c)	0.529 / 0.630
Optimized base radius [mm] (c)	-74.94177
Power deviation [µm] (c)	1.607
Peak to valley 100 / 99 [µm]	0.669 / 0.304
Root mean square [µm]	0.055
PV total / irregularity [µm]	2.911 / 2.105
PV99 total / irregularity [µm]	2.464 / 1.772
RMS total / irregularity [µm]	0.615 / 0.403
Slope error ave [mrad]	0.049
Slope error max [mrad] (X,Y)	0.325 (-6.72 , 15.89)
Slope error rms [mrad]	0.046
Astigmatism [µm]	0.803

