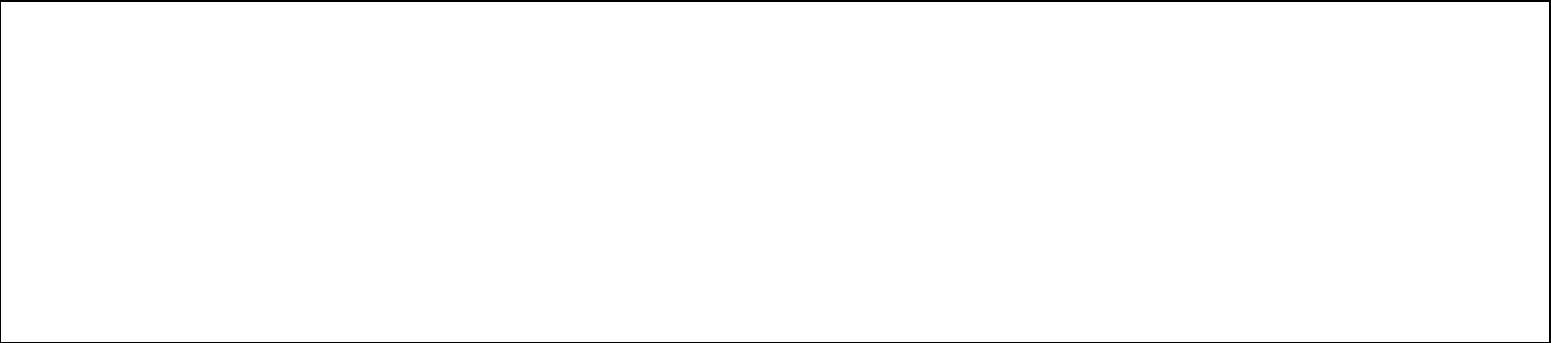
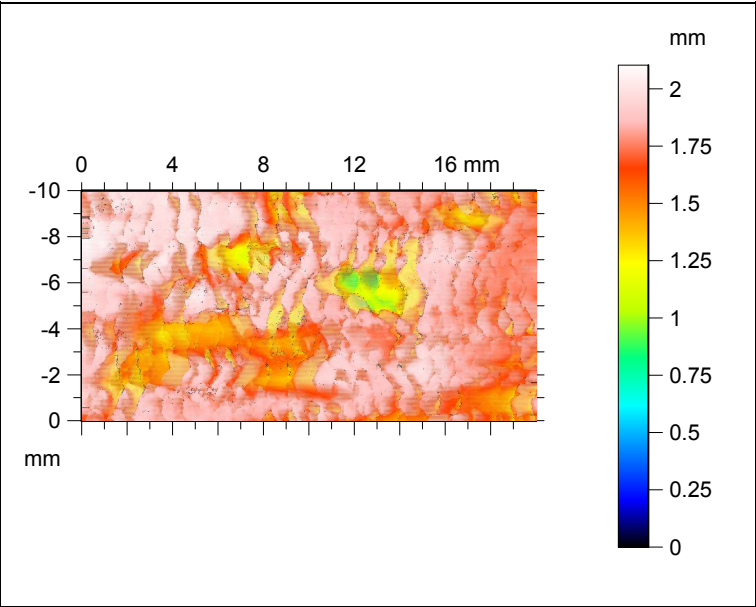
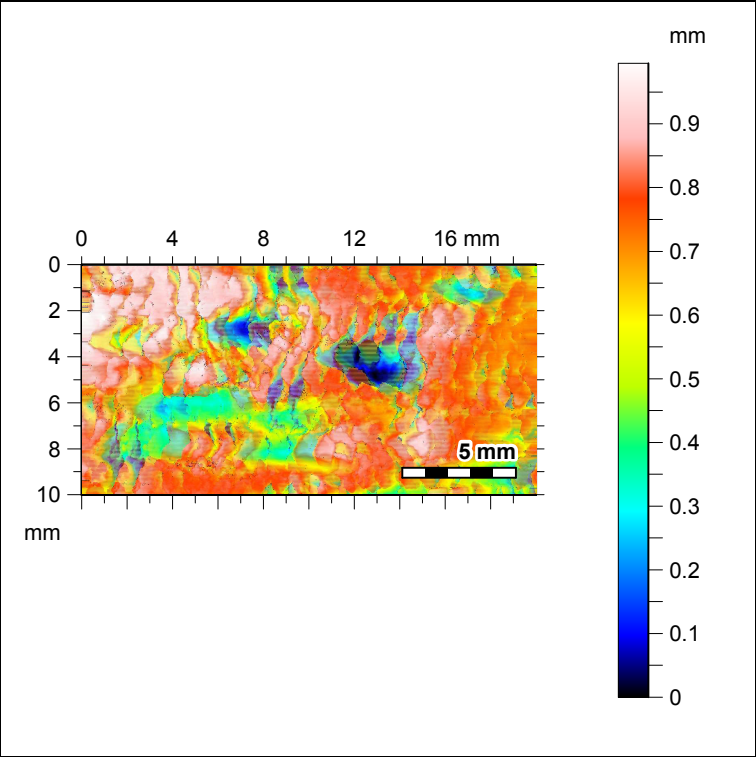
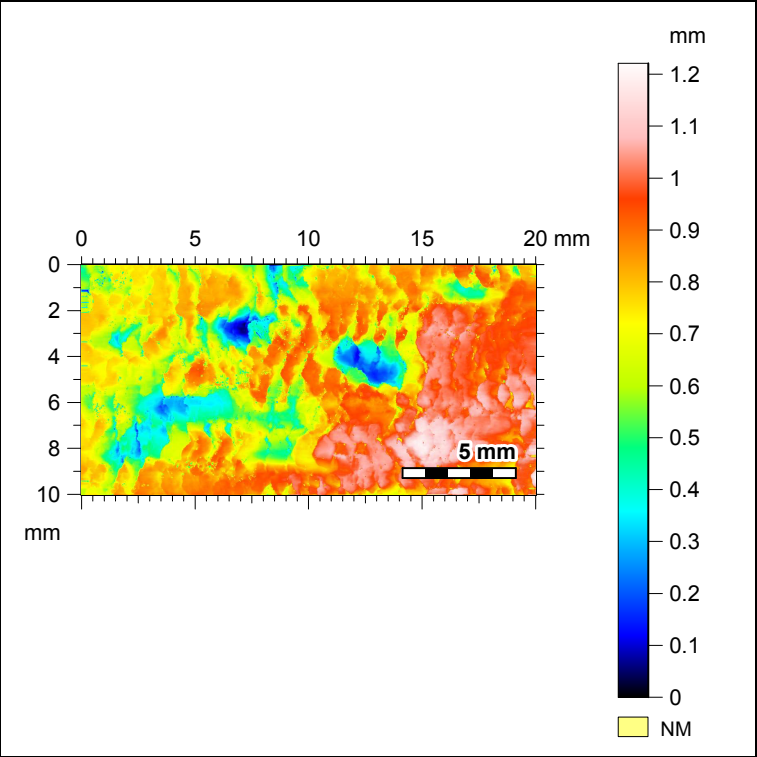


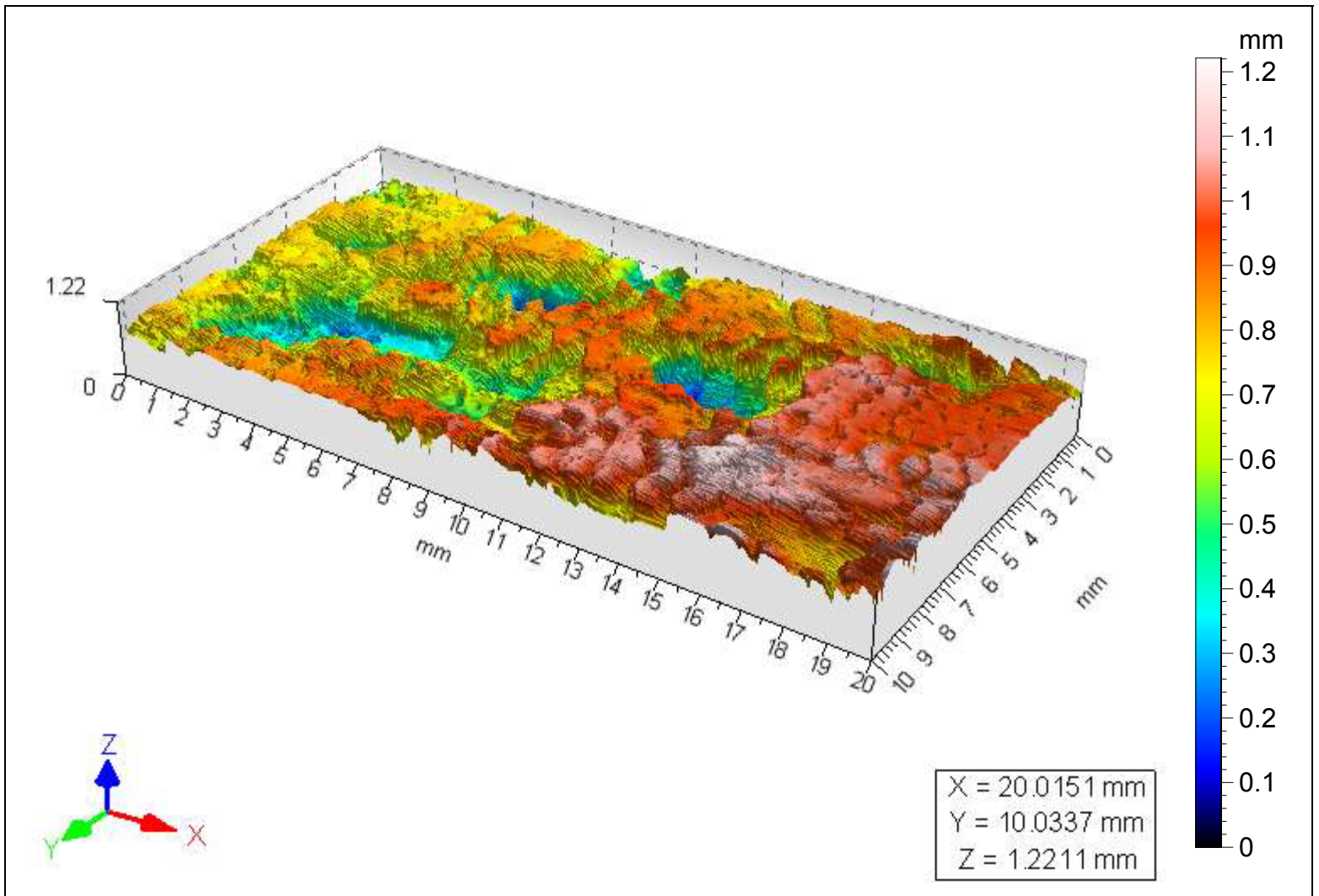


Thresholded Surface

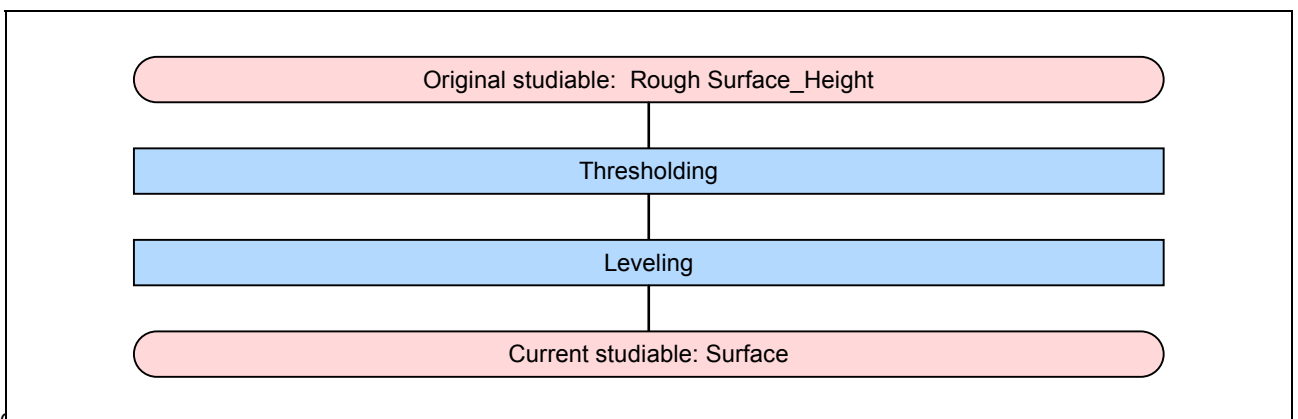


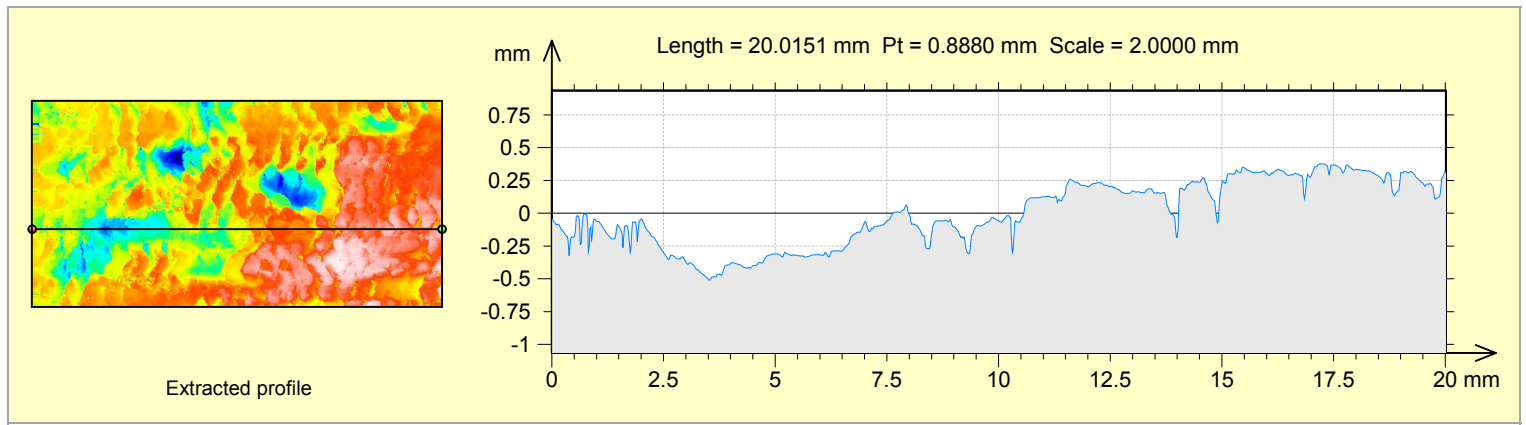
Leveled Surface





ISO 25178				
Height Parameters				
Sq	0.2034	mm		Root mean square height
Ssk	-0.6242			Skewness
Sku	3.0135			Kurtosis
Sp	0.4505	mm		Maximum peak height
Sv	0.7706	mm		Maximum pit height
Sz	1.2211	mm		Maximum height
Sa	0.1629	mm		Arithmetic mean height
Functional Parameters				
Smr	0.0007	%	$c = 0.001 \text{ mm}$ under the highest peak	Areal material ratio
Smc	0.2474	mm	$p = 10\%$	Inverse areal material ratio





ISO 4287

Amplitude parameters - Primary profile

Pp	0.3790	mm		Maximum Peak Height of the raw profile.
Pv	0.5090	mm		Maximum Valley Depth of the raw profile.
Pz	0.8880	mm		Maximum Height of the raw profile.
Pc	0.4537	mm		Mean height of the raw profile elements.
Pt	0.8880	mm		Total Height of raw profile.
Pa	0.2213	mm		Arithmetic Mean Deviation of the raw profile.
Pq	0.2507	mm		Root-Mean-Square (RMS) Deviation of the raw profile.
Psk	-0.1958			Skewness of the raw profile.
Pku	1.7541			Kurtosis of the raw profile.

Spacing parameters - Primary profile

PSm	2.3720	mm		Mean Width of the raw profile elements.
Pdq	72.0460	°		Root-Mean-Square Slope of the raw profile.

Material Ratio parameters - Primary profile

Pmr	0.4610	%	$c = 0.001 \text{ mm under the highest peak}$	Relative Material Ratio of the raw profile.
Pdc	0.5540	mm	$p = 20\%, q = 80\%$	Raw Profile Section Height difference.

Peak parameters - Primary profile

PPc	0.0000	1/mm	$\pm 0.5 \text{ mm}$	Peak Count on the raw profile.
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Amplitude parameters - Roughness profile

Rp	0.0434	mm	Gaussian filter, 0.8 mm	Maximum Peak Height of the roughness profile.
Rv	0.0736	mm	Gaussian filter, 0.8 mm	Maximum Valley Depth of the roughness profile.
Rz	0.1170	mm	Gaussian filter, 0.8 mm	Maximum Height of roughness profile.
Rc	0.0888	mm	Gaussian filter, 0.8 mm	Mean height of the roughness profile elements.
Rt	0.3177	mm	Gaussian filter, 0.8 mm	Total Height of roughness profile.
Ra	0.0211	mm	Gaussian filter, 0.8 mm	Arithmetic Mean Deviation of the roughness profile.
Rq	0.0288	mm	Gaussian filter, 0.8 mm	Root-Mean-Square (RMS) Deviation of the roughness profile.
Rsk	-0.4540		Gaussian filter, 0.8 mm	Skewness of the roughness profile.
Rku	4.1475		Gaussian filter, 0.8 mm	Kurtosis of the roughness profile.

Spacing parameters - Roughness profile

RSm	0.4814	mm	Gaussian filter, 0.8 mm	Mean Width of the roughness profile elements.
Rdq	37.8512	°	Gaussian filter, 0.8 mm	Root-Mean-Square Slope of the roughness profile.

Material Ratio parameters - Roughness profile

Rmr	0.1873	%	$c = 0.001 \text{ mm under the highest peak, Gaussian filter, 0.8 mm}$	Relative Material Ratio of the roughness profile.
Rdc	0.0310	mm	$p = 20\%, q = 80\%, \text{ Gaussian filter, 0.8 mm}$	Roughness profile Section Height difference

Peak parameters - Roughness profile

RPC	0.0000	1/mm	$\pm 0.5 \text{ mm, Gaussian filter, 0.8 mm}$	Peak Count on the raw profile.
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Amplitude parameters - Waviness profile

Wp	0.0449	mm	Gaussian filter, 0.8 mm	Maximum Peak Height of the waviness profile.
Wv	0.0564	mm	Gaussian filter, 0.8 mm	Maximum Valley Depth of the waviness profile.
Wz	0.1012	mm	Gaussian filter, 0.8 mm	Maximum Height of waviness profile.
Wc	0.4839	mm	Gaussian filter, 0.8 mm	Mean height of the waviness profile elements.

Wt	0.8383	mm	Gaussian filter, 0.8 mm	Total Height of waviness profile.
Wa	0.2203	mm	Gaussian filter, 0.8 mm	Arithmetic Mean Deviation of the waviness profile.
Wq	0.2246	mm	Gaussian filter, 0.8 mm	Root-Mean-Square (RMS) Deviation of the waviness profile.
Wsk	-0.1173		Gaussian filter, 0.8 mm	Skewness of the waviness profile.
Wku	1.2421		Gaussian filter, 0.8 mm	Kurtosis of the waviness profile.
Spacing parameters - Waviness profile				
WSm	2.7924	mm	Gaussian filter, 0.8 mm	Mean Width of the waviness profile elements.
Wdq	10.2656	°	Gaussian filter, 0.8 mm	Root-Mean-Square Slope of the waviness profile.
Material Ratio parameters - Waviness profile				
Wmr	0.6160	%	c = 0.001 mm under the highest peak, Gaussian filter, 0.8 mm	Relative Material Ratio of the waviness profile.
Wdc	0.5509	mm	p = 20%, q = 80%, Gaussian filter, 0.8 mm	waviness profile Section Height difference
Peak parameters - Waviness profile				
WPc	0.0000	1/mm	+/-0.5 mm, Gaussian filter, 0.8 mm	Peak Count on the raw profile.
ASME B46.1				
2D Parameters				
Rt	0.3177	mm	Gaussian filter, 0.8 mm	Total Height of roughness profile.
Rp	0.0976	mm	Gaussian filter, 0.8 mm	Maximum Peak Height of the roughness profile.
Rv	0.2201	mm	Gaussian filter, 0.8 mm	Maximum Valley Depth of the roughness profile.
Rz	0.1237	mm	Gaussian filter, 0.8 mm	Average maximum height of the roughness profile
Rpm	0.0519	mm	Gaussian filter, 0.8 mm	Average maximum profile peak height of the roughness profile
Rmax	0.2284	mm	Gaussian filter, 0.8 mm	Maximum roughness depth of the roughness profile
Ra	0.0210	mm	Gaussian filter, 0.8 mm	Arithmetic Mean Deviation of the roughness profile.
Rq	0.0345	mm	Gaussian filter, 0.8 mm	Root-Mean-Square (RMS) Deviation of the roughness profile.
Rsk	-1.9866		Gaussian filter, 0.8 mm	Skewness of the roughness profile.
Rku	11.7730		Gaussian filter, 0.8 mm	Kurtosis of the roughness profile.
tp	0.1873	%	c = 0.001 mm under the highest peak, Gaussian filter, 0.8 mm	Profile bearing length ratio
Htp	0.0310	mm	p = 20%, q = 80%, Gaussian filter, 0.8 mm	Bearing ratio height difference
Pc	0.0000	1/mm	+/-0.5 mm, Gaussian filter, 0.8 mm	Peak density of the raw profile
Rda	23.7917	°	Gaussian filter, 0.8 mm	Arithmetic mean slope on the roughness profile.
Rdq	55.2277	°	Gaussian filter, 0.8 mm	Root-Mean-Square Slope of the roughness profile.
RSm	0.5021	mm	Gaussian filter, 0.8 mm	Mean spacing of profile irregularity of the roughness profile.
Wt	0.8383	mm	Gaussian filter, 0.8 mm	Total Height of waviness profile.

ISO 25178				
Height Parameters				
Sq	0.2034	mm		Root mean square height
Ssk	-0.6242			Skewness
Sku	3.0135			Kurtosis
Sp	0.4505	mm		Maximum peak height
Sv	0.7706	mm		Maximum pit height
Sz	1.2211	mm		Maximum height
Sa	0.1629	mm		Arithmetic mean height
Functional Parameters				
Smr	0.0007	%	c = 0.001 mm under the highest peak	Areal material ratio
Smc	0.2474	mm	p = 10%	Inverse areal material ratio
Sxp	0.4862	mm	p = 50%, q = 97.5%	Extreme peak height
EUR 15178N				
Amplitude Parameters				
Sa	0.1629	mm		Arithmetic mean deviation
Sq	0.2034	mm		Root mean square mean deviation
Sz	1.0427	mm		Ten point height
Ssk	-0.6242			Skewness
Sku	3.0135			Kurtosis
Sp	0.4505	mm		Maximum peak height

Sv	0.7706	mm		Maximum valley depth
St	1.2211	mm		Total height
Area and Volume Parameters				
Smr	0.0007	%	$c = 0.001$ mm under the highest peak	Areal material ratio
Sdc	0.4133	mm	$p = 10\%$, $q = 80\%$	Areal height difference
Other 3D Parameters				
Miscellaneous				
Smean	1.7393	mm		Mean height in absolute
Sdar	*****	mm ²		Developed area
Spar	200.8247	mm ²		Projected area
ASME B46.1				
3D Parameters				
St	1.2211	mm		Maximum height
Sp	0.4505	mm		Maximum peak height
Sv	0.7706	mm		Maximum pit height
Sq	0.2034	mm		Root mean square height
Sa	0.1629	mm		Arithmetic mean height
Ssk	-0.6242			Skewness
Sku	3.0135			Kurtosis
SWt	1.2211	mm	not filtered	Area waviness height

Identity card

Filename: C:\Documents and Settings\Nanovea\Desktop\Dora\Rough Surface_Height.sur

Axis: X

Length: 19.9980 mm
Size: 1112 points
Spacing: 0.0180 mm

Axis: Y

Length: 10.0080 mm
Size: 557 lines
Spacing: 0.0180 mm

Axis: Height

Length: 1.2658 mm
Spacing: 0.0001 mm

Comments extracted from the studiabile:

Measurement Time: 2:47 PM
Measurement Duration: 00:41:07.8750000
Scan Length: 20.0
Scan Step Size: 18.0
Points: 1112

Profile Length: 10.0
Profile Step Size: 18.0
Profiles: 557
Total Points: 619,384

Pen Settings
Pen: 3500
Acquisition Rate: 1000
Averaging: 3