

Tabulka 1 Naměřené parametry textury a drsnosti povrchu před a po aplikaci LSP (1A-4A)

Název	Jednotky	1A před	1A po	2A před	2A po	3A před	3A po	4A před	4A po
Sp	μm	18,5254	41,1733	28,7148	30,3897	20,3368	32,5563	21,6951	28,3741
Sv	μm	14,4525	54,9659	16,2700	32,0235	19,7184	38,0711	15,1850	28,8738
Sz	μm	32,9779	96,1391	44,9848	62,4132	40,0552	70,6274	36,8801	57,2480
Sa	μm	3,9656	15,7311	4,0325	10,2967	4,1525	11,7950	4,5564	8,6715
Vm	mm <sup>3</sup> /mm <sup>2</sup>	0,0003	0,0006	0,0003	0,0004	0,0003	0,0004	0,0004	0,0005
Vv	mm <sup>3</sup> /mm <sup>2</sup>	0,0068	0,0247	0,0069	0,0172	0,0067	0,0188	0,0074	0,0151
Vmp	mm <sup>3</sup> /mm <sup>2</sup>	0,0003	0,0006	0,0003	0,0004	0,0003	0,0004	0,0004	0,0005
Vmc	mm <sup>3</sup> /mm <sup>2</sup>	0,0046	0,0201	0,0043	0,0123	0,0046	0,0137	0,0051	0,0098
Vvc	mm <sup>3</sup> /mm <sup>2</sup>	0,0063	0,0226	0,0064	0,0160	0,0059	0,0170	0,0068	0,0140
Vvv	mm <sup>3</sup> /mm <sup>2</sup>	0,0004	0,0021	0,0005	0,0012	0,0008	0,0018	0,0006	0,0012
Rp[Mean]	μm	8,7867	15,4110	8,8692	15,5454	9,2040	17,7454	10,1487	17,2172
Rv[Mean]	μm	6,3841	15,5508	7,8727	13,5132	8,8421	19,8804	7,7209	15,0011
Rz[Mean]	μm	15,1708	30,9619	16,7419	29,0586	18,0461	37,6258	17,8696	32,2183
Rt[Mean]	μm	21,9250	38,4383	24,6028	36,3584	27,5793	45,8909	23,6686	40,5052
Ra[Mean]	μm	2,3312	6,3229	2,6469	5,5762	2,7819	7,9593	3,2667	6,4649
Rsk[Mean]		0,2088	-0,0619	0,0723	0,1203	-0,1253	-0,2828	0,3419	0,0622
Rku[Mean]		3,5771	2,3067	3,3457	2,3854	3,6292	2,2913	2,9110	2,3063
RSm[Mean]	mm	0,1696	0,1901	0,1924	0,1238	0,1906	0,2257	0,2376	0,1997
Wp[Mean]	μm	6,1146	24,9737	7,7963	14,6889	5,3325	13,5873	5,5785	10,4694
Wv[Mean]	μm	5,6843	28,3328	5,9781	16,7135	6,7562	14,3444	5,3276	10,2991
Wz[Mean]	μm	11,7989	53,3064	13,7744	31,4024	12,0887	27,9317	10,9060	20,7685
Wt[Mean]	μm	11,7989	53,3064	13,7744	31,4024	12,0887	27,9317	10,9060	20,7685
Wa[Mean]	μm	2,5546	12,7087	2,4547	7,5831	2,2646	6,4013	2,0148	4,4803
WSm[Mean]	mm	1,5554	2,5307	1,7979	2,4875	1,3995	1,6557	1,0647	1,1003
Pa[Mean]	μm	3,9243	15,6438	3,9767	10,2369	4,1482	11,7410	4,4466	8,6332

Tabulka 2 Naměřené parametry textury a drsnosti povrchu před a po aplikaci LSP (5A-8A)

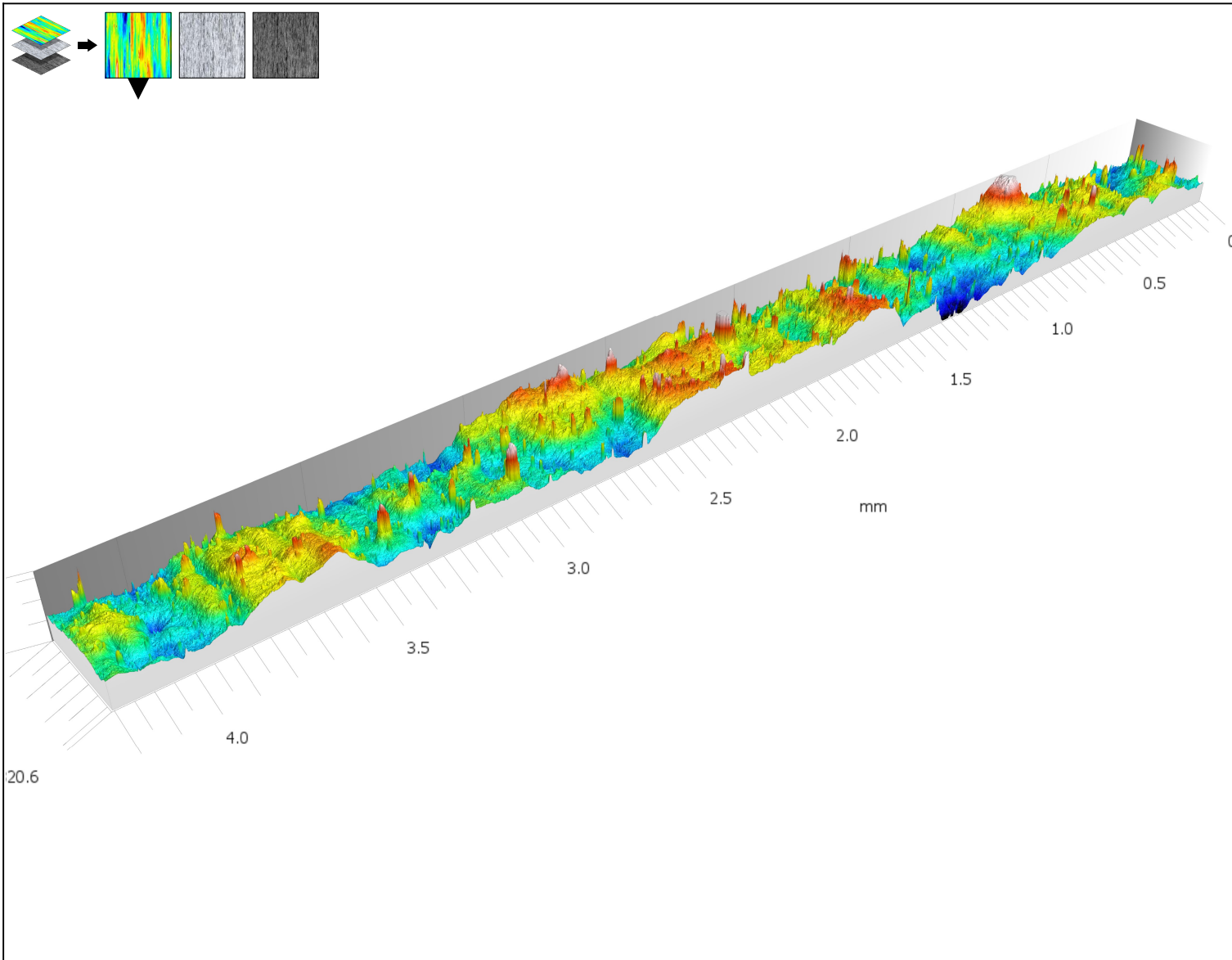
Název	Jednotky	5A před	5A po	6A před	6A po	7A před	7A po	8A před	8A po
Sp	μm	20,4558	30,8771	22,5362	31,6153	19,9109	30,0487	18,1582	33,5306
Sv	μm	17,9130	27,1969	18,3946	28,8094	18,6279	33,5556	20,0367	47,1711
Sz	μm	38,3689	58,0741	40,9307	60,4246	38,5388	63,6043	38,1950	80,7017
Sa	μm	4,1629	6,9789	4,8022	7,2675	4,6030	7,4203	4,7954	10,3400
Vm	mm <sup>3</sup> /mm <sup>2</sup>	0,0002	0,0005	0,0003	0,0005	0,0004	0,0005	0,0003	0,0005
Vv	mm <sup>3</sup> /mm <sup>2</sup>	0,0066	0,0112	0,0082	0,0122	0,0077	0,0127	0,0078	0,0156
Vmp	mm <sup>3</sup> /mm <sup>2</sup>	0,0002	0,0005	0,0003	0,0005	0,0004	0,0005	0,0003	0,0005
Vmc	mm <sup>3</sup> /mm <sup>2</sup>	0,0046	0,0077	0,0052	0,0080	0,0051	0,0079	0,0054	0,0118
Vvc	mm <sup>3</sup> /mm <sup>2</sup>	0,0060	0,0101	0,0073	0,0112	0,0070	0,0115	0,0070	0,0139
Vvv	mm <sup>3</sup> /mm <sup>2</sup>	0,0006	0,0012	0,0009	0,0011	0,0007	0,0012	0,0008	0,0017
Rp[Mean]	μm	8,1180	14,7920	7,6311	14,5452	9,5381	19,2029	8,5671	17,9759
Rv[Mean]	μm	8,3909	11,5468	8,2832	11,4514	7,8354	13,7198	9,5820	18,8794
Rz[Mean]	μm	16,5090	26,3388	15,9143	25,9966	17,3734	32,9227	18,1491	36,8554
Rt[Mean]	μm	24,9114	34,5199	22,3985	34,6942	24,5447	42,0125	24,6715	47,3762
Ra[Mean]	μm	2,6390	4,2126	2,6893	4,3514	3,0777	5,4089	3,3557	7,3787
Rsk[Mean]		-0,1166	0,2994	-0,3403	0,2800	0,2332	0,4610	-0,1293	-0,1977
Rku[Mean]		3,3939	3,1403	3,2484	3,0571	3,0225	3,3240	2,8746	2,4552
RSm[Mean]	mm	0,1898	0,0783	0,1799	0,0937	0,2048	0,1013	0,2018	0,2345
Wp[Mean]	μm	5,9114	9,4547	8,2647	11,7948	6,8714	7,4129	5,9353	11,5157
Wv[Mean]	μm	4,5998	13,5880	8,2987	11,6196	6,5402	12,8026	6,4021	13,6965
Wz[Mean]	μm	10,5112	23,0427	16,5634	23,4144	13,4116	20,2155	12,3374	25,2122
Wt[Mean]	μm	10,5112	23,0427	16,5634	23,4144	13,4116	20,2155	12,3374	25,2122
Wa[Mean]	μm	2,4089	4,7300	3,2938	4,7837	2,6245	3,5359	2,6564	4,7975
WSm[Mean]	mm	1,3000	1,5049	1,8475	1,4254	1,2274	1,4553	1,7358	1,1364
Pa[Mean]	μm	4,1235	6,8935	4,7137	7,2570	4,5672	7,3787	4,6438	10,2927

Tabulka 3 Naměřené parametry textury a drsnosti povrchu před a po aplikaci LSP (9B-12B)

Název	Jednotky	9B před	9B po	10B před	10B po	11B před	11B po	12B před	12B po
Sp	μm	16,3076	43,4327	20,0637	48,6791	18,5468	45,4778	20,2047	57,9591
Sv	μm	13,0815	66,6257	17,3618	62,4361	12,0257	54,2785	13,0110	83,8631
Sz	μm	29,3890	110,0584	37,4255	111,1152	30,5725	99,7563	33,2157	141,8222
Sa	μm	3,2116	17,8314	3,9046	17,4549	3,3037	16,7755	3,0220	23,9036
Vm	mm <sup>3</sup> /mm <sup>2</sup>	0,0002	0,0006	0,0003	0,0007	0,0003	0,0007	0,0003	0,0010
Vv	mm <sup>3</sup> /mm <sup>2</sup>	0,0054	0,0277	0,0065	0,0274	0,0056	0,0261	0,0051	0,0391
Vmp	mm <sup>3</sup> /mm <sup>2</sup>	0,0002	0,0006	0,0003	0,0007	0,0003	0,0007	0,0003	0,0010
Vmc	mm <sup>3</sup> /mm <sup>2</sup>	0,0036	0,0216	0,0042	0,0189	0,0035	0,0198	0,0033	0,0279
Vvc	mm <sup>3</sup> /mm <sup>2</sup>	0,0050	0,0251	0,0059	0,0236	0,0052	0,0231	0,0047	0,0355
Vvv	mm <sup>3</sup> /mm <sup>2</sup>	0,0004	0,0026	0,0007	0,0038	0,0004	0,0030	0,0004	0,0036
Rp[Mean]	μm	8,0669	18,2090	9,3246	17,8635	7,7963	17,8052	8,9835	22,2628
Rv[Mean]	μm	7,0160	17,3611	7,2137	17,1094	6,4126	17,6223	6,1805	23,6723
Rz[Mean]	μm	15,0829	35,5702	16,5382	34,9729	14,2089	35,4275	15,1640	45,9351
Rt[Mean]	μm	21,1504	49,0521	24,1949	46,0542	22,7475	46,9964	22,6066	63,8221
Ra[Mean]	μm	2,4421	7,3397	2,9445	7,4425	2,2908	7,0412	2,2912	9,2134
Rsk[Mean]		0,1506	0,0162	0,2629	-0,0047	0,1859	-0,0972	0,4630	-0,1128
Rku[Mean]		3,4595	2,3835	3,0789	2,1837	3,4117	2,4510	3,8504	2,4851
RSm[Mean]	mm	0,1824	0,2097	0,2148	0,2149	0,1846	0,2091	0,1413	0,1993
Wp[Mean]	μm	3,5010	27,9542	4,8377	30,0383	6,3853	26,6751	4,5412	37,4166
Wv[Mean]	μm	3,2249	32,5215	5,9750	38,6908	4,5986	31,6919	3,4123	45,6202
Wz[Mean]	μm	6,7260	60,4757	10,8127	68,7291	10,9839	58,3670	7,9535	83,0368
Wt[Mean]	μm	6,7260	60,4757	10,8127	68,7291	10,9839	58,3670	7,9535	83,0368
Wa[Mean]	μm	1,5043	13,8316	2,1813	13,0579	1,6063	12,8619	1,6198	17,9941
WSm[Mean]	mm	0,9838	2,4658	2,5905	1,1486	1,1605	2,1334	1,4508	1,9271
Pa[Mean]	μm	3,1824	17,8588	3,8867	17,4441	3,2839	16,7447	3,0235	23,2871

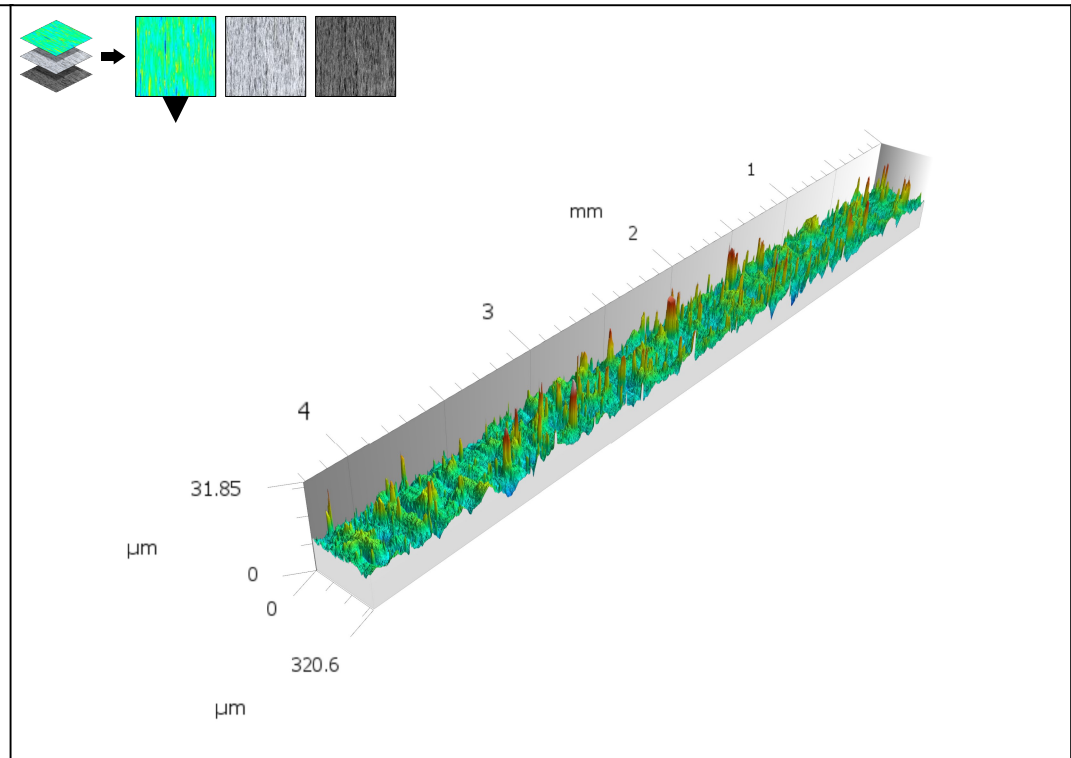
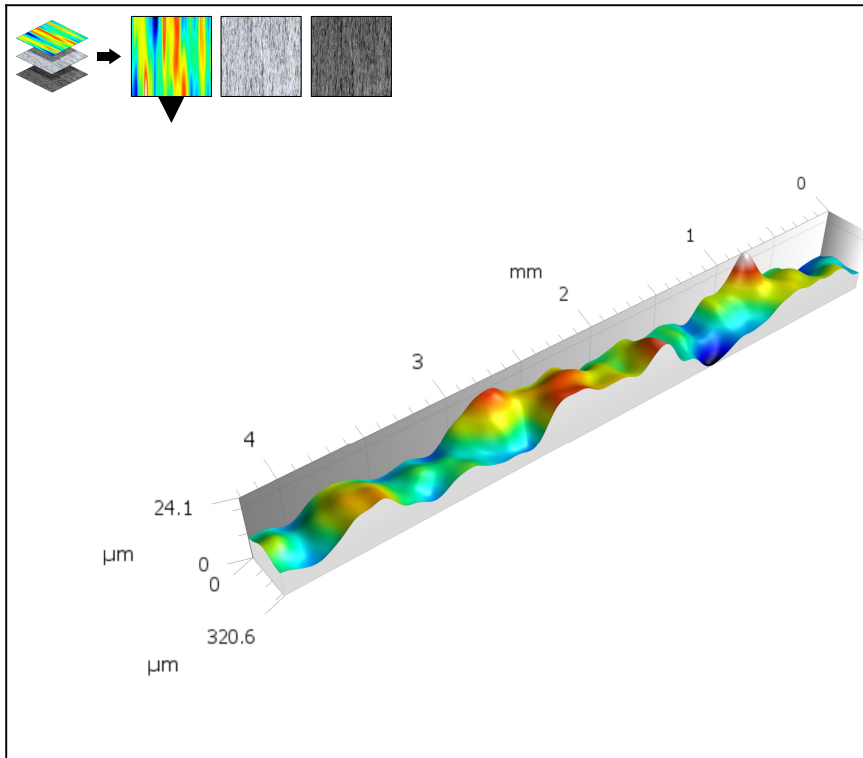
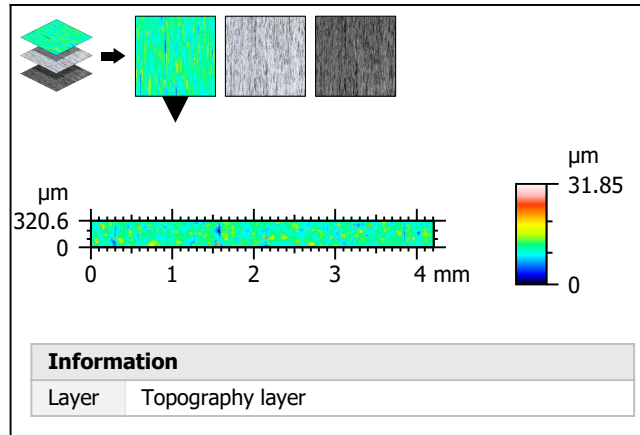
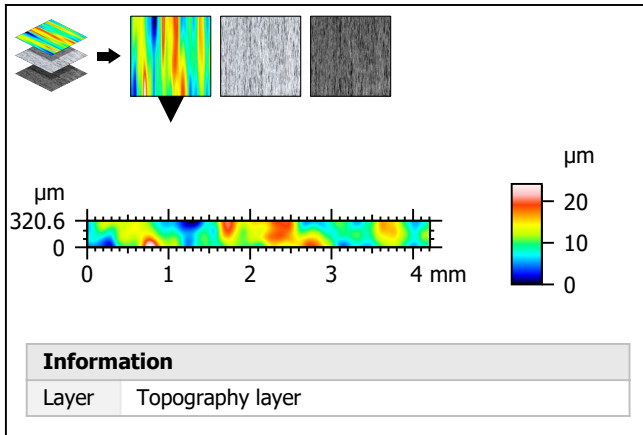
Tabulka 4 Naměřené parametry textury a drsnosti povrchu před a po aplikaci LSP (13B-16B)

Název	Jednotky	13B před	13B po	14B před	14B po	15B před	15B po	16B před	16B po
Sp	μm	15,7067	111,2934	24,9995	158,5672	17,0243	170,3812	21,1266	38,7577
Sv	μm	12,5565	163,5175	13,3750	207,4237	10,3053	120,5186	14,1614	31,2774
Sz	μm	28,2632	274,8108	38,3745	365,9909	27,3296	290,8998	35,2880	70,0351
Sa	μm	3,2286	42,8010	3,4781	37,0930	3,1187	39,9430	4,1167	9,8659
Vm	mm <sup>3</sup> /mm <sup>2</sup>	0,0002	0,0017	0,0003	0,0024	0,0002	0,0029	0,0002	0,0007
Vv	mm <sup>3</sup> /mm <sup>2</sup>	0,0052	0,0669	0,0055	0,0583	0,0056	0,0685	0,0070	0,0178
Vmp	mm <sup>3</sup> /mm <sup>2</sup>	0,0002	0,0017	0,0003	0,0024	0,0002	0,0029	0,0002	0,0007
Vmc	mm <sup>3</sup> /mm <sup>2</sup>	0,0037	0,0458	0,0038	0,0415	0,0035	0,0446	0,0048	0,0112
Vvc	mm <sup>3</sup> /mm <sup>2</sup>	0,0047	0,0566	0,0050	0,0526	0,0052	0,0638	0,0065	0,0167
Vvv	mm <sup>3</sup> /mm <sup>2</sup>	0,0005	0,0103	0,0005	0,0056	0,0004	0,0047	0,0005	0,0011
Rp[Mean]	μm	7,6128	42,4175	10,6155	48,6665	8,0003	48,2762	8,3257	17,0706
Rv[Mean]	μm	5,5099	37,0655	6,6798	37,6041	5,9688	35,6676	7,0066	14,1112
Rz[Mean]	μm	13,1227	79,4830	17,2953	86,2705	13,9691	83,9438	15,3323	31,1818
Rt[Mean]	μm	18,9341	117,4533	29,6293	122,9809	19,2637	116,0024	22,9168	39,7150
Ra[Mean]	μm	2,0956	15,5621	2,5193	18,3531	2,2265	17,7085	2,4228	5,1802
Rsk[Mean]		0,2929	0,1552	0,5321	0,2529	0,2624	0,2964	0,0995	0,2617
Rku[Mean]		3,2037	2,7206	4,6124	2,5749	3,4086	2,5084	3,4714	3,1563
RSm[Mean]	mm	0,1549	0,3074	0,1883	0,3373	0,1547	0,3577	0,1822	0,1283
Wp[Mean]	μm	3,7390	73,9086	4,0492	54,7932	3,7500	66,3056	5,3714	16,1414
Wv[Mean]	μm	4,1737	102,1402	4,3845	60,4463	2,8820	55,4075	5,8710	15,4679
Wz[Mean]	μm	7,9128	176,0488	8,4337	115,2395	6,6320	121,7131	11,2424	31,6093
Wt[Mean]	μm	7,9128	176,0488	8,4337	115,2395	6,6320	121,7131	11,2424	31,6093
Wa[Mean]	μm	1,6029	34,2975	1,7603	23,2288	1,3255	26,6243	2,3551	6,4609
WSm[Mean]	mm	1,3096	1,6108	1,5311	1,3200	1,1938	1,6905	1,4774	1,2518
Pa[Mean]	μm	2,9837	43,0554	3,4851	34,0080	2,9899	35,9070	3,9108	9,8724



Document name	Template ---...
Mountains version	MarSurf MfM Premium 8.1.9286

Identity card			
Name:	1A		
Studiable type:	Surface+image		
<b>Axis:</b>	<b>X</b>		
Length:	4.207	mm	
Size:	15711	points	
Spacing:	0.2678	$\mu\text{m}$	
Offset:	66.58	mm	
<b>Axis:</b>	<b>Y</b>		
Length:	317.4	$\mu\text{m}$	
Size:	1187	points	
Spacing:	0.2677	$\mu\text{m}$	
Offset:	41531	$\mu\text{m}$	
<b>Axis:</b>	<b>Z</b>		
Layer type:	Topography		
Length:	62.19	$\mu\text{m}$	
Min:	49.57	$\mu\text{m}$	
Max:	111.8	$\mu\text{m}$	
Size:	65535	digits	
Spacing:	0.9490	nm	
NM-points ratio:	0.04894 % (9126 Pts)		







ISO 25178 - Primary surface			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_s</math>): Gaussian, 2.500 <math>\mu\text{m}</math></i>			
Height parameters			
Sq	4.964	$\mu\text{m}$	
Ssk	0.2783		
Sku	3.188		
Sp	18.53	$\mu\text{m}$	
Sv	14.45	$\mu\text{m}$	
Sz	32.98	$\mu\text{m}$	
Sa	3.966	$\mu\text{m}$	
Functional parameters			
Smr	0.1720	%	
Smc	6.493	$\mu\text{m}$	
Sxp	8.641	$\mu\text{m}$	
Spatial parameters			
Sal	0.1539	mm	
Str	*****		
Std	171.2	$^\circ$	
Hybrid parameters			
Sdq	0.4566		
Sdr	6.116	%	
Functional parameters (Volume)			
Vm	0.0002697	$\text{mm}^3/\text{mm}^2$	
Vv	0.006763	$\text{mm}^3/\text{mm}^2$	
Vmp	0.0002697	$\text{mm}^3/\text{mm}^2$	
Vmc	0.004562	$\text{mm}^3/\text{mm}^2$	
Vvc	0.006315	$\text{mm}^3/\text{mm}^2$	
Vvv	0.0004478	$\text{mm}^3/\text{mm}^2$	
Feature parameters			
Spd	449.3	$1/\text{mm}^2$	
Spc	1355	$1/\text{mm}$	
S10z	32.41	$\mu\text{m}$	
S5p	18.53	$\mu\text{m}$	
S5v	13.88	$\mu\text{m}$	

ISO 25178 - Waviness (S-F)			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_c</math>): Gaussian, 0.2500 mm</i>			
Height parameters			
Sq	3.598	$\mu\text{m}$	
Ssk	0.1871		
Sku	2.441		
Sp	10.18	$\mu\text{m}$	
Sv	9.437	$\mu\text{m}$	
Sz	19.62	$\mu\text{m}$	
Sa	3.009	$\mu\text{m}$	
Functional parameters			
Smr	0.2321	%	
Smc	4.903	$\mu\text{m}$	
Sxp	6.161	$\mu\text{m}$	
Spatial parameters			
Sal	0.2751	mm	
Str	*****		
Std	171.3	$^\circ$	
Hybrid parameters			
Sdq	0.03063		
Sdr	0.04688	%	
Functional parameters (Volume)			
Vm	0.000154	$\text{mm}^3/\text{mm}^2$	
Vv	0.005057	$\text{mm}^3/\text{mm}^2$	
Vmp	0.000154	$\text{mm}^3/\text{mm}^2$	
Vmc	0.003333	$\text{mm}^3/\text{mm}^2$	
Vvc	0.004753	$\text{mm}^3/\text{mm}^2$	
Vvv	0.0003038	$\text{mm}^3/\text{mm}^2$	
Feature parameters			
Spd	5.189	$1/\text{mm}^2$	
Spc	0.4979	$1/\text{mm}$	
S10z	14.02	$\mu\text{m}$	
S5p	7.669	$\mu\text{m}$	
S5v	6.351	$\mu\text{m}$	

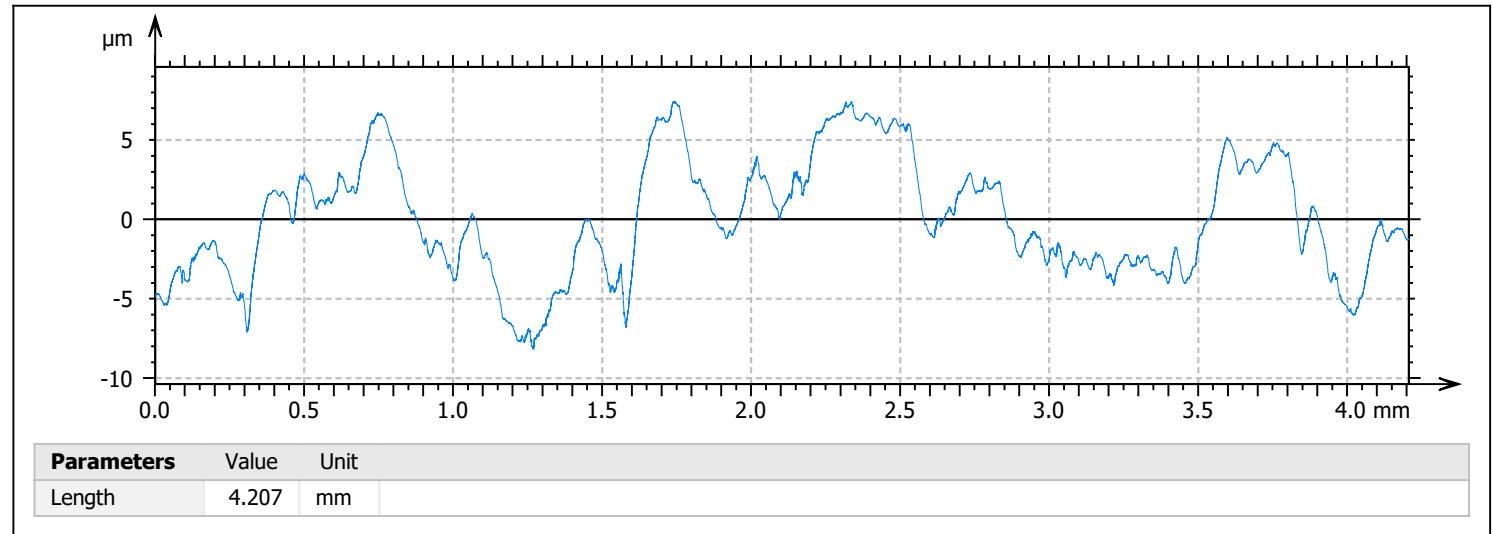
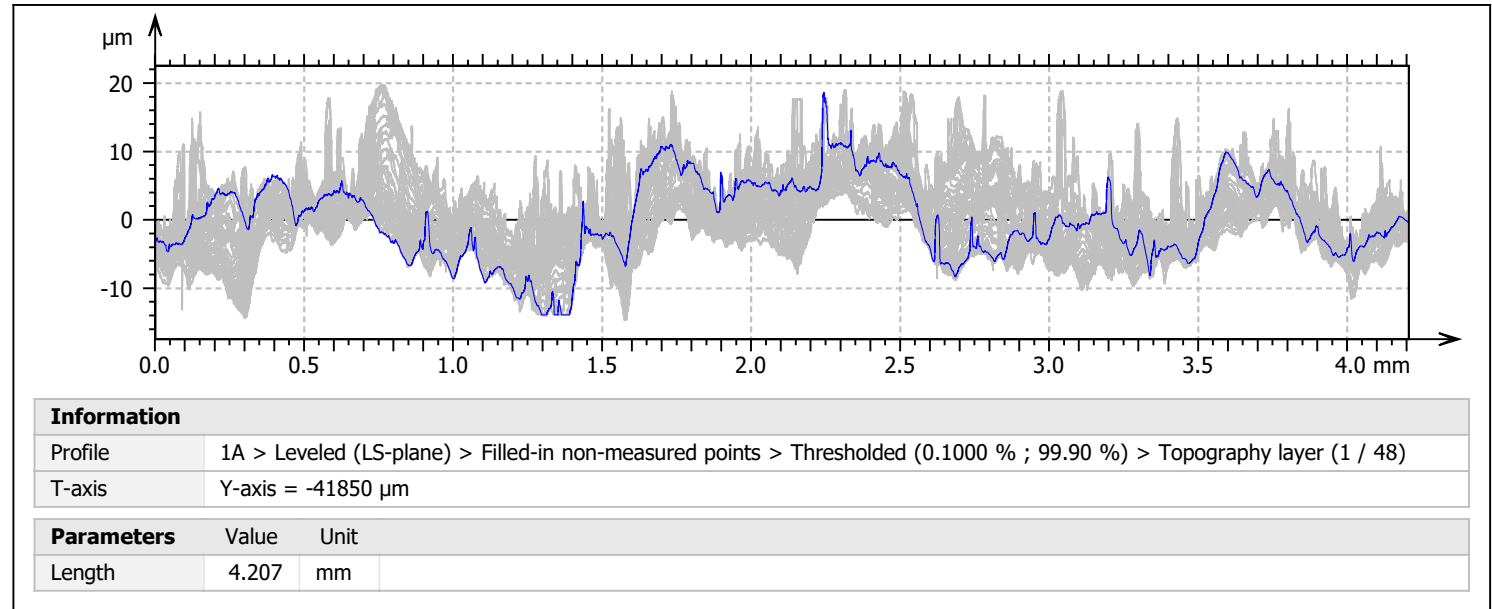
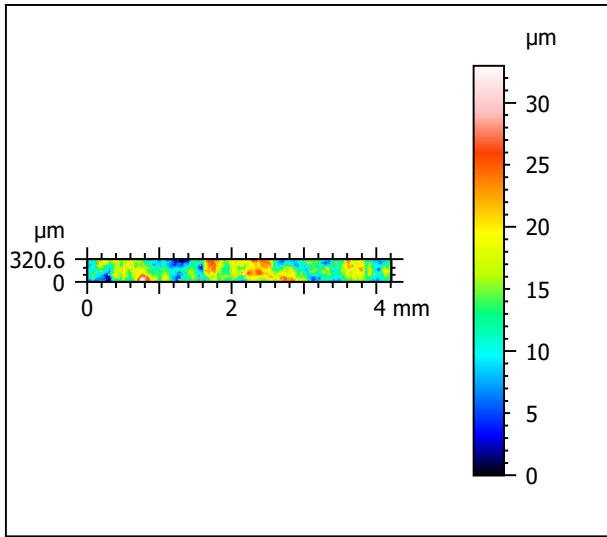
ISO 25178 - Roughness (S-L)			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_s</math>): Gaussian, 0.8000 <math>\mu\text{m}</math></i>			
<i>L-filter (<math>\lambda_c</math>): Gaussian, 0.2500 mm</i>			
Height parameters			
Sq	1.837	$\mu\text{m}$	
Ssk	2.201		
Sku	16.13		
Sp	19.43	$\mu\text{m}$	
Sv	9.707	$\mu\text{m}$	
Sz	29.14	$\mu\text{m}$	
Sa	1.225	$\mu\text{m}$	
Functional parameters			
Smr	0.005251	%	
Smc	1.779	$\mu\text{m}$	
Sxp	2.703	$\mu\text{m}$	
Spatial parameters			
Sal	0.02532	mm	
Str	0.7860		
Std	178.2	$^\circ$	
Hybrid parameters			
Sdq	0.7662		
Sdr	11.87	%	
Functional parameters (Volume)			
Vm	0.0001841	$\text{mm}^3/\text{mm}^2$	
Vv	0.001963	$\text{mm}^3/\text{mm}^2$	
Vmp	0.0001841	$\text{mm}^3/\text{mm}^2$	
Vmc	0.001213	$\text{mm}^3/\text{mm}^2$	
Vvc	0.0018	$\text{mm}^3/\text{mm}^2$	
Vvv	0.0001635	$\text{mm}^3/\text{mm}^2$	
Feature parameters			
Spd	1020	$1/\text{mm}^2$	
Spc	11499	$1/\text{mm}$	
S10z	27.03	$\mu\text{m}$	
S5p	18.89	$\mu\text{m}$	



ISO 25178 - Primary surface			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_s</math>): Gaussian, 2.500 <math>\mu\text{m}</math></i>			
Feature parameters			
Sda	0.005406	mm <sup>2</sup>	
Sha	0.001691	mm <sup>2</sup>	
Sdv	6.91e-07	mm <sup>3</sup>	
Shv	3.579e-07	mm <sup>3</sup>	
Svd	64.50	1/mm <sup>2</sup>	
Svc	-2789	1/mm	
Functional parameters (Stratified surfaces)			
Sk	13.08	$\mu\text{m}$	
Spk	5.432	$\mu\text{m}$	
Svk	3.903	$\mu\text{m}$	
Smr1	10.34	%	
Smr2	92.70	%	
Spq	*****		
Svq	*****		
Smq	*****		
Warnings			
Spq, Svq, Smq: There should be two components (c...			
Str: The autocorrelation lobe touches the edges. Try...			

ISO 25178 - Waviness (S-F)			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_c</math>): Gaussian, 0.2500 mm</i>			
Feature parameters			
Sda	*****	mm <sup>2</sup>	
Sha	*****	mm <sup>2</sup>	
Sdv	*****	mm <sup>3</sup>	
Shv	*****	mm <sup>3</sup>	
Svd	5.931	1/mm <sup>2</sup>	
Svc	-0.51	1/mm	
Warnings			
The workflow already contains a 'Metrological filter' operator.			
Sha, Shv: No interior hills were found.			
Sda, Sdv: No interior dales were found.			
Str: The autocorrelation lobe touches the edges. Try to level...			

ISO 25178 - Roughness (S-L)			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_s</math>): Gaussian, 0.8000 <math>\mu\text{m}</math></i>			
<i>L-filter (<math>\lambda_c</math>): Gaussian, 0.2500 mm</i>			
Feature parameters			
S5v	8.148	$\mu\text{m}$	
Sda	0.001384	mm <sup>2</sup>	
Sha	0.0007915	mm <sup>2</sup>	
Sdv	1.557e-07	mm <sup>3</sup>	
Shv	1.023e-07	mm <sup>3</sup>	
Svd	361.8	1/mm <sup>2</sup>	
Svc	-17990	1/mm	
Functional parameters (Stratified surfaces)			
Sk	3.325	$\mu\text{m}$	
Spk	3.377	$\mu\text{m}$	
Svk	1.545	$\mu\text{m}$	
Smr1	12.70	%	
Smr2	89.83	%	
Spq	*****		
Svq	*****		
Smq	*****		
Warnings			
The workflow already contains a 'Metrological filter' operator.			
Spq, Svq, Smq: There should be two components (coarse va...			





Context			Mean	Std dev	Min	Max
<b>ISO 4287 - Roughness (S-L)</b>						
<i>F: None</i>						
<i>S-filter (<math>\lambda_s</math>): Gaussian, 2.500 <math>\mu\text{m}</math></i>						
<i>L-filter (<math>\lambda_c</math>): Gaussian, 0.8000 mm</i>						
<i>Evaluation length: All <math>\lambda_c</math> (5)</i>						
<b>Amplitude parameters</b>						
Rp	$\mu\text{m}$		8.787	1.571	6.308	12.44
Rv	$\mu\text{m}$		6.384	0.6167	5.415	7.618
Rz	$\mu\text{m}$		15.17	1.741	11.81	18.77
Rc	$\mu\text{m}$	<i>No averaging (single value)</i>	7.866	1.090	5.515	10.14
Rt	$\mu\text{m}$		21.93	2.877	15.69	28.13
Ra	$\mu\text{m}$		2.331	0.1525	2.054	2.635
Rq	$\mu\text{m}$		2.957	0.2275	2.552	3.428
Rsk			0.2088	0.2647	-0.3342	0.7606
Rku			3.577	0.6529	2.366	4.849
Rp1max	$\mu\text{m}$		12.78	2.479	8.903	19.96
Rv1max	$\mu\text{m}$		9.150	2.060	6.515	13.86
Rz1max	$\mu\text{m}$		19.49	2.808	14.12	26.55
Rz(n)	$\mu\text{m}$	<i><math>\lambda_c</math> index = 1</i>	16.11	4.321	7.382	22.88
<b>Spacing parameters</b>						
RSm	mm	<i>No averaging (single value)</i>	0.1696	0.01755	0.1270	0.2104
Rdq	°		18.44	2.409	12.20	23.13
<b>Material ratio parameters</b>						
Rmr	%	<i>c = 1.000 <math>\mu\text{m}</math> below highest peak</i>	0.2197	0.1642	0.03348	0.7633
Rdc	$\mu\text{m}$	<i>p = 20.00%, q = 80.00%</i>	4.738	0.2502	4.294	5.252
Rmr (Rz/4)	%	<i>c = Rz/4 <math>\mu\text{m}</math> above mean plane</i>	8.895	1.814	6.379	15.57
Rmr (Rz/4) #1	%	<i>c = Rz/4 <math>\mu\text{m}</math> above mean plane</i>	8.895	1.814	6.379	15.57

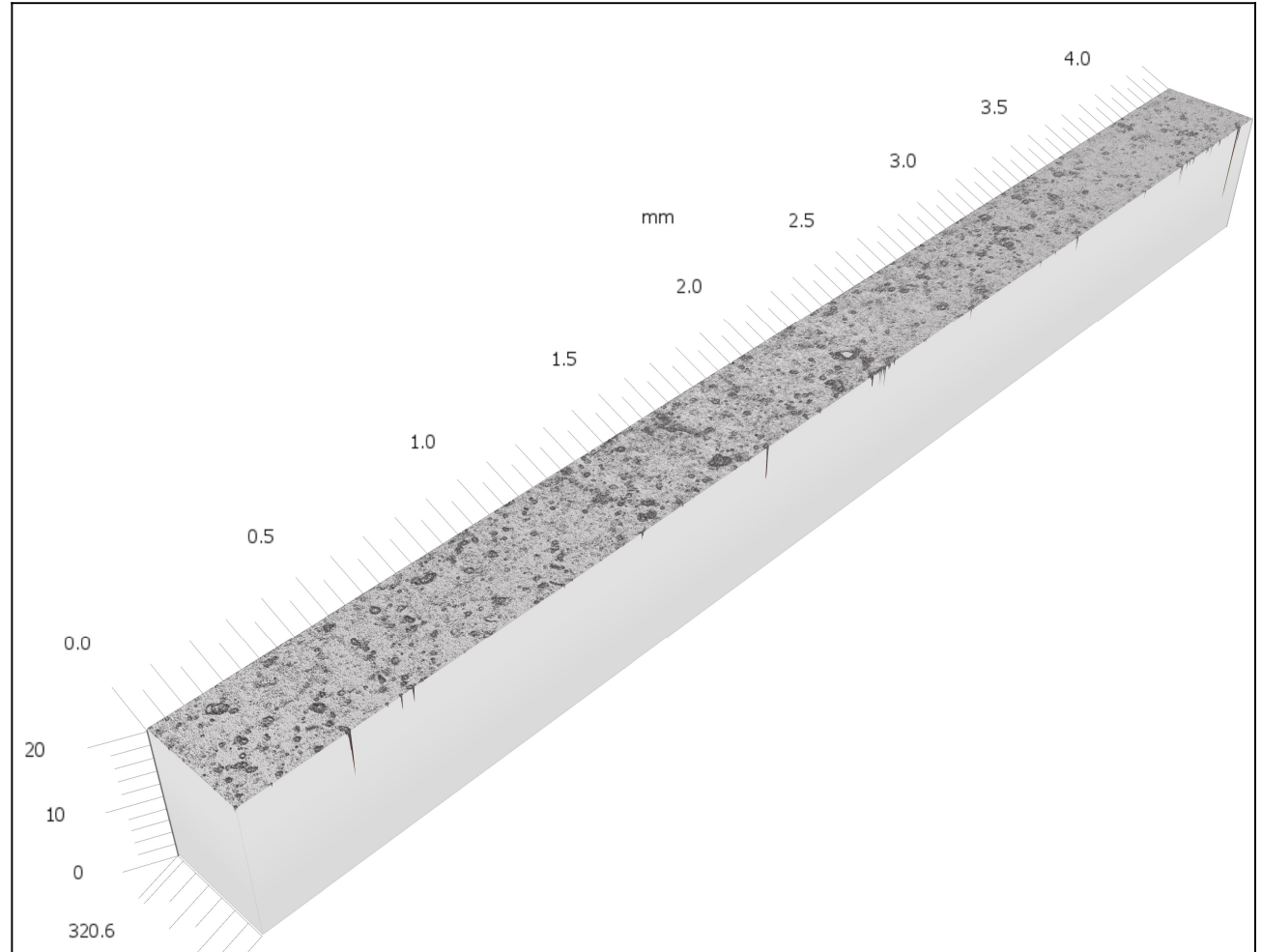
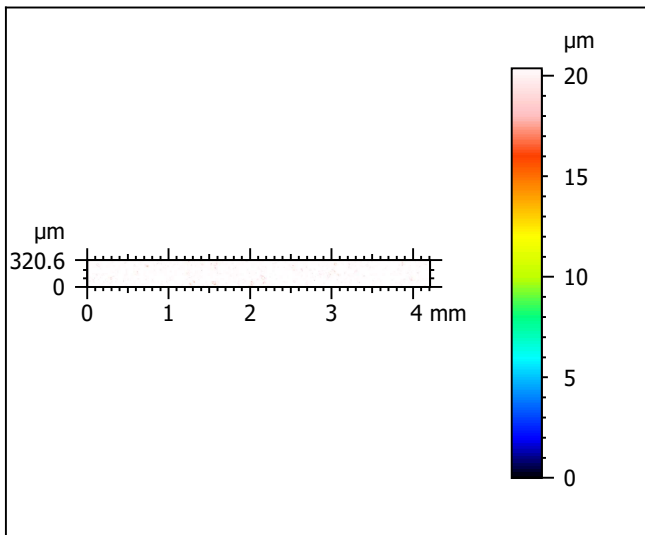
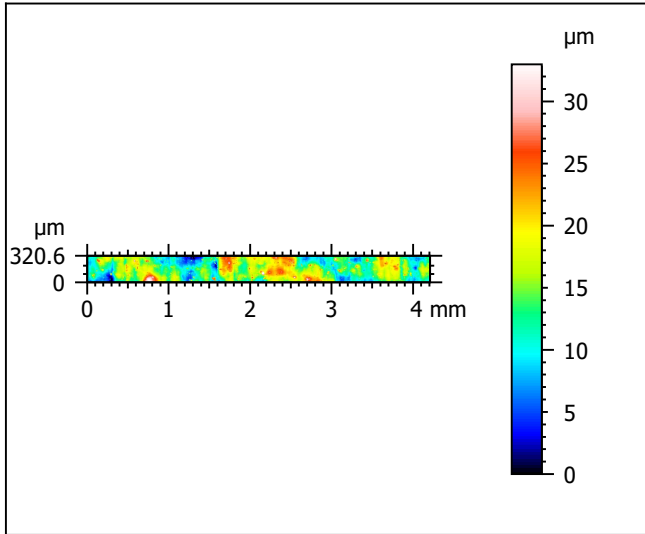


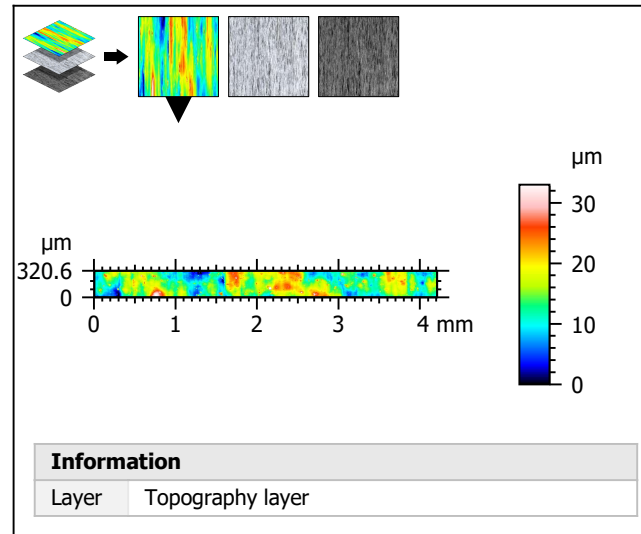
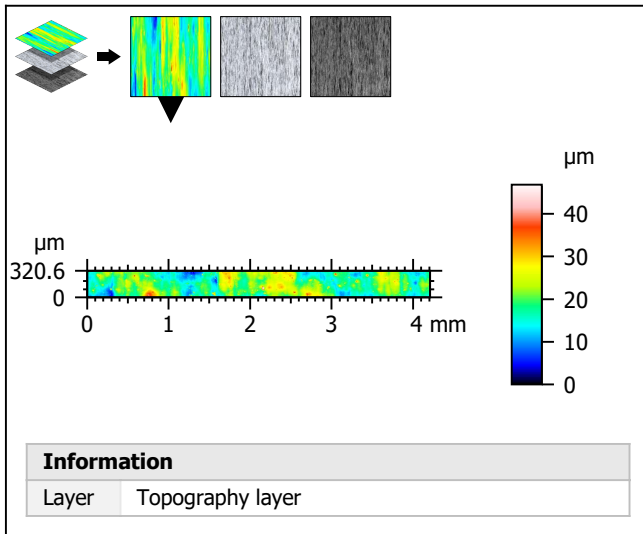
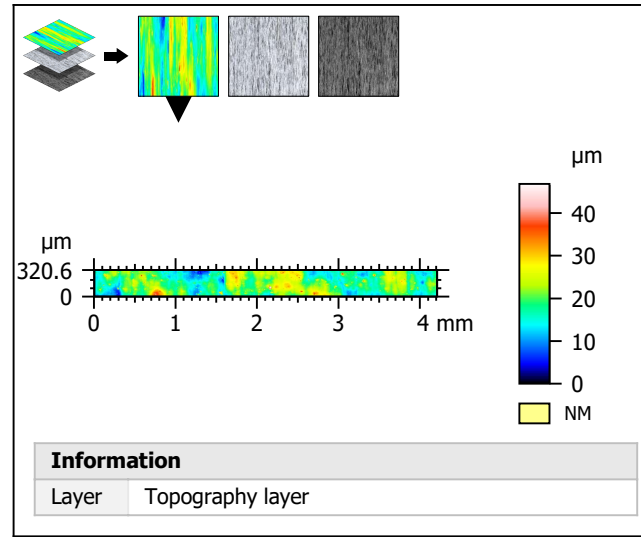
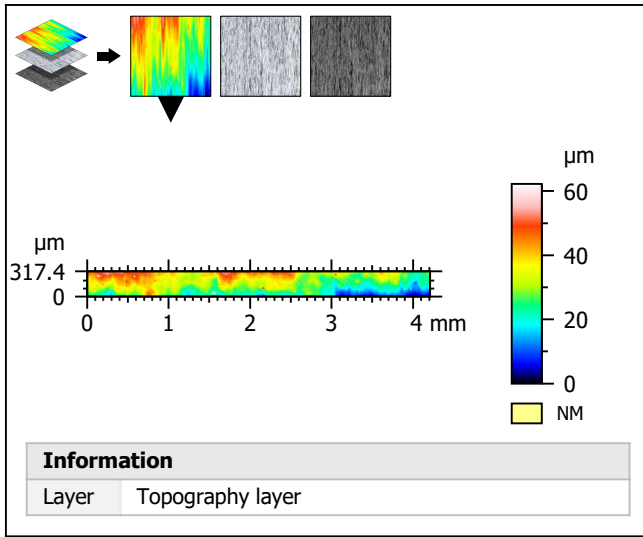
Context		Mean	Std dev	Min	Max	
<b>ISO 4287 - Waviness (S-F)</b>						
<i>F: None</i>						
<i>S-filter (λc): Gaussian, 0.8000 mm</i>						
<i>Evaluation length: Total profile length (no averaging)</i>						
<b>Amplitude parameters</b>						
Wp	μm	6.115	1.132	4.217	7.986	
Wv	μm	5.684	1.499	3.522	8.686	
Wz	μm	11.80	2.403	7.858	16.16	
Wc	μm	9.237	2.646	5.989	14.87	
Wt	μm	11.80	2.403	7.858	16.16	
Wa	μm	2.555	0.5025	1.762	3.381	
Wq	μm	3.083	0.6116	2.085	4.077	
Wsk		0.1854	0.2741	-0.2161	0.7157	
Wku		2.324	0.3427	1.908	3.175	
<b>Spacing parameters</b>						
WSm	mm	1.555	0.1535	0.8284	1.692	
Wdq	°	0.7551	0.1562	0.5163	0.9827	
<b>Material ratio parameters</b>						
Wmr	%	<i>c = 1.000 μm below highest peak</i>	6.800	1.890	4.023	11.45
Wdc	μm	<i>p = 20.00%, q = 80.00%</i>	5.541	1.286	3.097	7.604
Wmr (Wz/4)	%		19.43	3.695	12.20	26.25

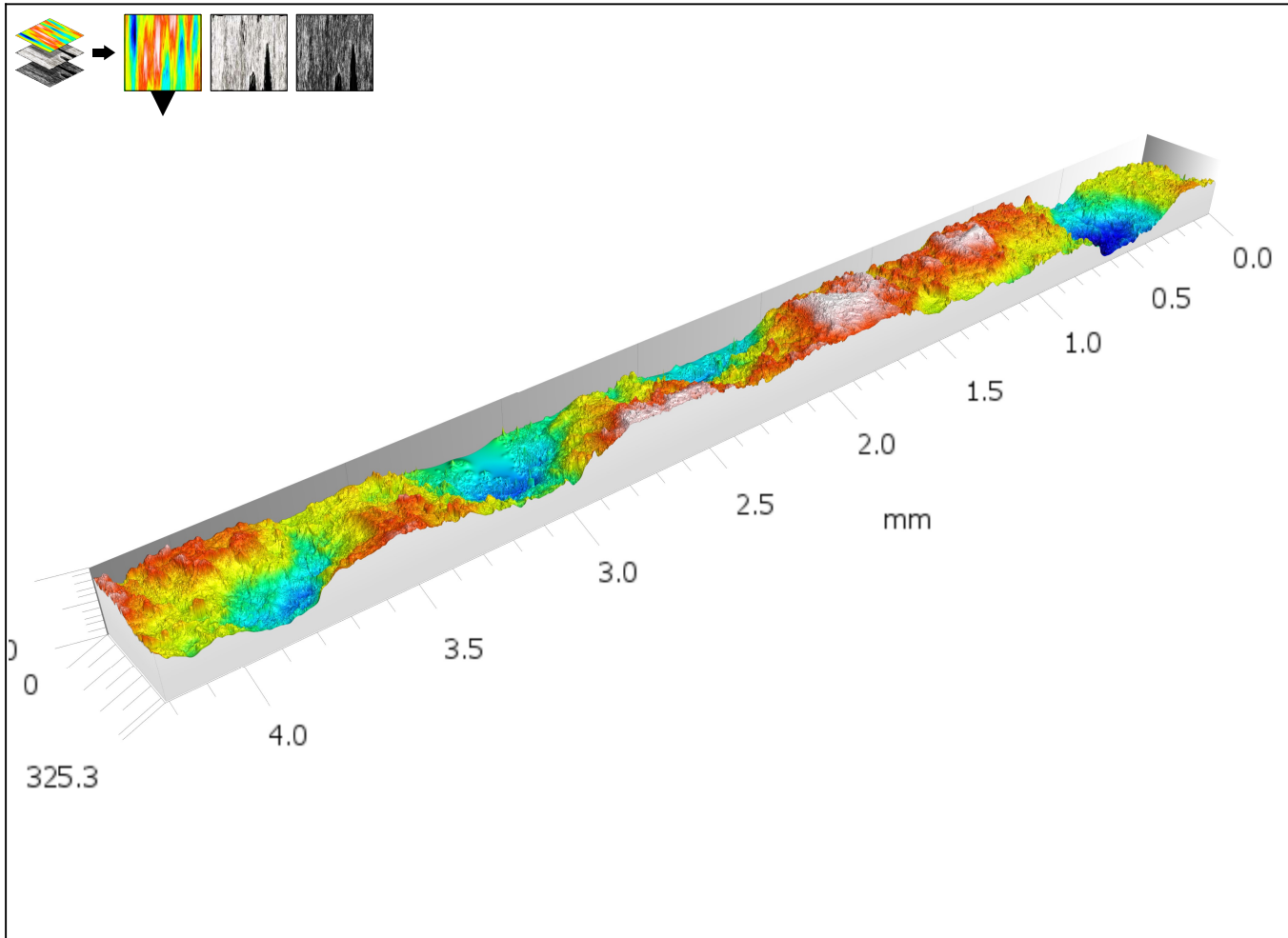


Context			Mean	Std dev	Min	Max
<b>ISO 4287 - Primary</b>						
<i>F: None</i>						
<i>S-filter (λs): Gaussian, 2.500 μm</i>						
<b>Amplitude parameters</b>						
Pp	μm		16.07	2.900	9.823	19.75
Pv	μm		12.38	1.652	9.303	14.67
Pz	μm		28.44	3.770	19.22	32.98
Pc	μm	<i>No averaging (single value)</i>	11.02	1.642	8.171	15.42
Pt	μm		28.44	3.770	19.22	32.98
Pa	μm		3.924	0.5565	3.176	4.857
Pq	μm		4.892	0.6553	3.944	5.805
Psk			0.3276	0.2823	-0.2229	0.8847
Pku			3.099	0.6454	2.203	4.314
<b>Spacing parameters</b>						
PSm	mm	<i>No averaging (single value)</i>	0.2952	0.09828	0.1940	0.6750
Pdq	°		19.40	2.852	12.64	26.18
<b>Material ratio parameters</b>						
Pmr	%	<i>c = 1.000 μm below highest peak</i>	0.3798	0.3246	0.03182	1.750
Pdc	μm	<i>p = 20.00%, q = 80.00%</i>	8.316	1.220	6.596	10.19



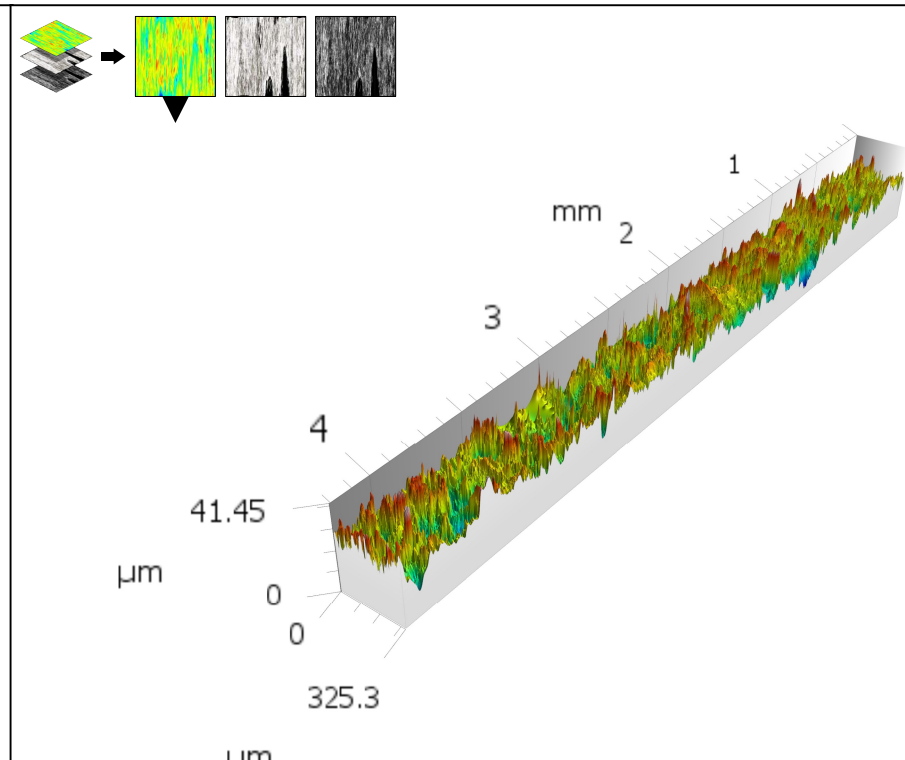
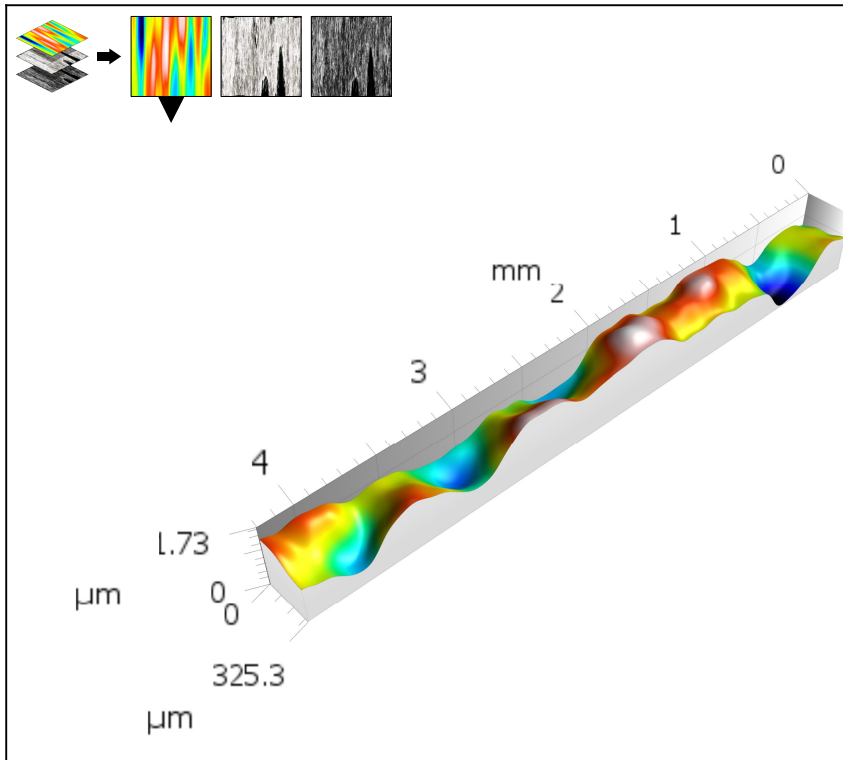
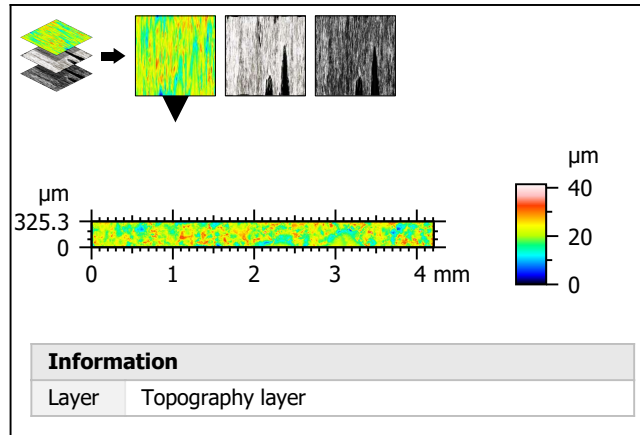
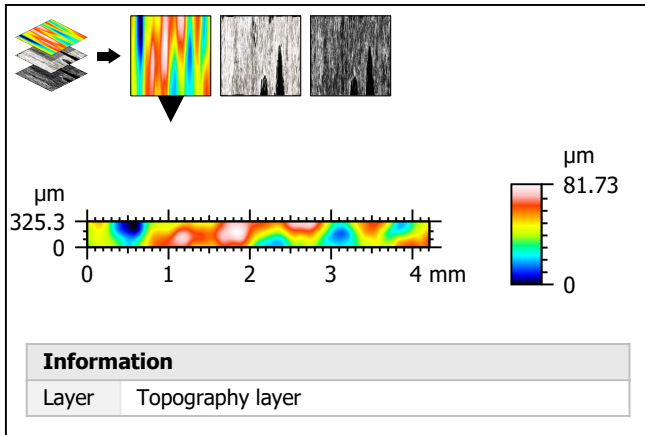






Document name	Template ---...
Mountains version	MarSurf MfM Premium 8.1.9286

Identity card			
Name:	1A po LSP		
Studiabile type:	Surface+image		
<b>Axis:</b>	<b>X</b>		
Length:	4.206	mm	
Size:	15708	points	
Spacing:	0.2678	$\mu\text{m}$	
Offset:	44.65	mm	
<b>Axis:</b>	<b>Y</b>		
Length:	315.8	$\mu\text{m}$	
Size:	1181	points	
Spacing:	0.2677	$\mu\text{m}$	
Offset:	32503	$\mu\text{m}$	
<b>Axis:</b>	<b>Z</b>		
Layer type:	Topography		
Length:	104.9	$\mu\text{m}$	
Min:	-9.334	$\mu\text{m}$	
Max:	95.61	$\mu\text{m}$	
Size:	65535	digits	
Spacing:	1.601	nm	
NM-points ratio:	6.841 % (1269047 Pts)		





ISO 25178 - Primary surface			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_s</math>): Gaussian, 2.500 <math>\mu\text{m}</math></i>			
Height parameters			
Sq	19.26	$\mu\text{m}$	
Ssk	-0.2907		
Sku	2.469		
Sp	41.17	$\mu\text{m}$	
Sv	54.97	$\mu\text{m}$	
Sz	96.14	$\mu\text{m}$	
Sa	15.73	$\mu\text{m}$	
Functional parameters			
Smr	0.2082	%	
Smc	24.04	$\mu\text{m}$	
Sxp	39.63	$\mu\text{m}$	
Spatial parameters			
Sal	0.2112	mm	
Str	*****		
Std	4.498	$^\circ$	
Hybrid parameters			
Sdq	0.8848		
Sdr	24.10	%	
Functional parameters (Volume)			
Vm	0.0006085	$\text{mm}^3/\text{mm}^2$	
Vv	0.02465	$\text{mm}^3/\text{mm}^2$	
Vmp	0.0006085	$\text{mm}^3/\text{mm}^2$	
Vmc	0.02008	$\text{mm}^3/\text{mm}^2$	
Vvc	0.0226	$\text{mm}^3/\text{mm}^2$	
Vvv	0.002058	$\text{mm}^3/\text{mm}^2$	
Feature parameters			
Spd	144.0	$1/\text{mm}^2$	
Spc	3487	$1/\text{mm}$	
S10z	85.79	$\mu\text{m}$	
S5p	39.97	$\mu\text{m}$	
S5v	45.82	$\mu\text{m}$	

ISO 25178 - Waviness (S-F)			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_c</math>): Gaussian, 0.2500 mm</i>			
Height parameters			
Sq	16.35	$\mu\text{m}$	
Ssk	-0.3151		
Sku	2.415		
Sp	31.89	$\mu\text{m}$	
Sv	43.89	$\mu\text{m}$	
Sz	75.77	$\mu\text{m}$	
Sa	13.46	$\mu\text{m}$	
Functional parameters			
Smr	0.4066	%	
Smc	20.81	$\mu\text{m}$	
Sxp	34.12	$\mu\text{m}$	
Spatial parameters			
Sal	0.2640	mm	
Str	*****		
Std	4.497	$^\circ$	
Hybrid parameters			
Sdq	0.1169		
Sdr	0.6789	%	
Functional parameters (Volume)			
Vm	0.0004352	$\text{mm}^3/\text{mm}^2$	
Vv	0.02124	$\text{mm}^3/\text{mm}^2$	
Vmp	0.0004352	$\text{mm}^3/\text{mm}^2$	
Vmc	0.01708	$\text{mm}^3/\text{mm}^2$	
Vvc	0.01949	$\text{mm}^3/\text{mm}^2$	
Vvv	0.001757	$\text{mm}^3/\text{mm}^2$	
Feature parameters			
Spd	4.385	$1/\text{mm}^2$	
Spc	1.196	$1/\text{mm}$	
S10z	49.68	$\mu\text{m}$	
S5p	23.31	$\mu\text{m}$	
S5v	26.37	$\mu\text{m}$	

ISO 25178 - Roughness (S-L)			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_s</math>): Gaussian, 0.8000 <math>\mu\text{m}</math></i>			
<i>L-filter (<math>\lambda_c</math>): Gaussian, 0.2500 mm</i>			
Height parameters			
Sq	3.594	$\mu\text{m}$	
Ssk	0.3716		
Sku	3.776		
Sp	21.91	$\mu\text{m}$	
Sv	16.12	$\mu\text{m}$	
Sz	38.03	$\mu\text{m}$	
Sa	2.787	$\mu\text{m}$	
Functional parameters			
Smr	4.851e-05	%	
Smc	4.587	$\mu\text{m}$	
Sxp	6.304	$\mu\text{m}$	
Spatial parameters			
Sal	0.02855	mm	
Str	0.9043		
Std	178.5	$^\circ$	
Hybrid parameters			
Sdq	1.488		
Sdr	45.16	%	
Functional parameters (Volume)			
Vm	0.0002286	$\text{mm}^3/\text{mm}^2$	
Vv	0.004816	$\text{mm}^3/\text{mm}^2$	
Vmp	0.0002286	$\text{mm}^3/\text{mm}^2$	
Vmc	0.003064	$\text{mm}^3/\text{mm}^2$	
Vvc	0.004453	$\text{mm}^3/\text{mm}^2$	
Vvv	0.0003626	$\text{mm}^3/\text{mm}^2$	
Feature parameters			
Spd	1920	$1/\text{mm}^2$	
Spc	14935	$1/\text{mm}$	
S10z	36.16	$\mu\text{m}$	
S5p	20.52	$\mu\text{m}$	

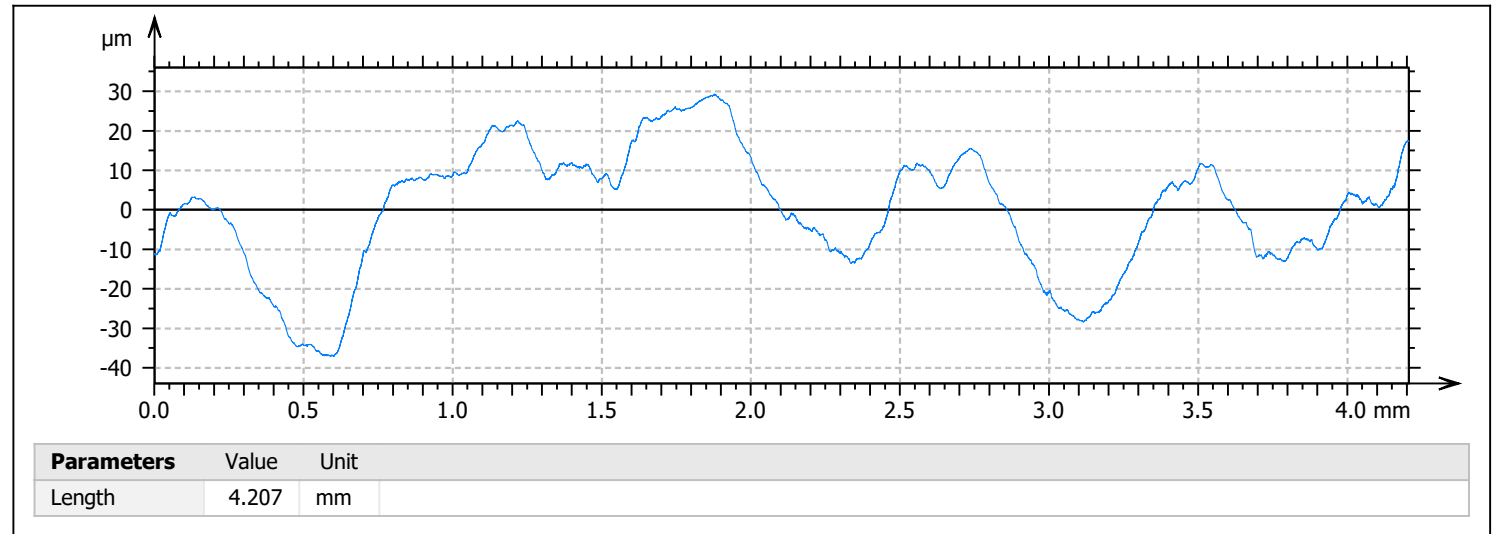
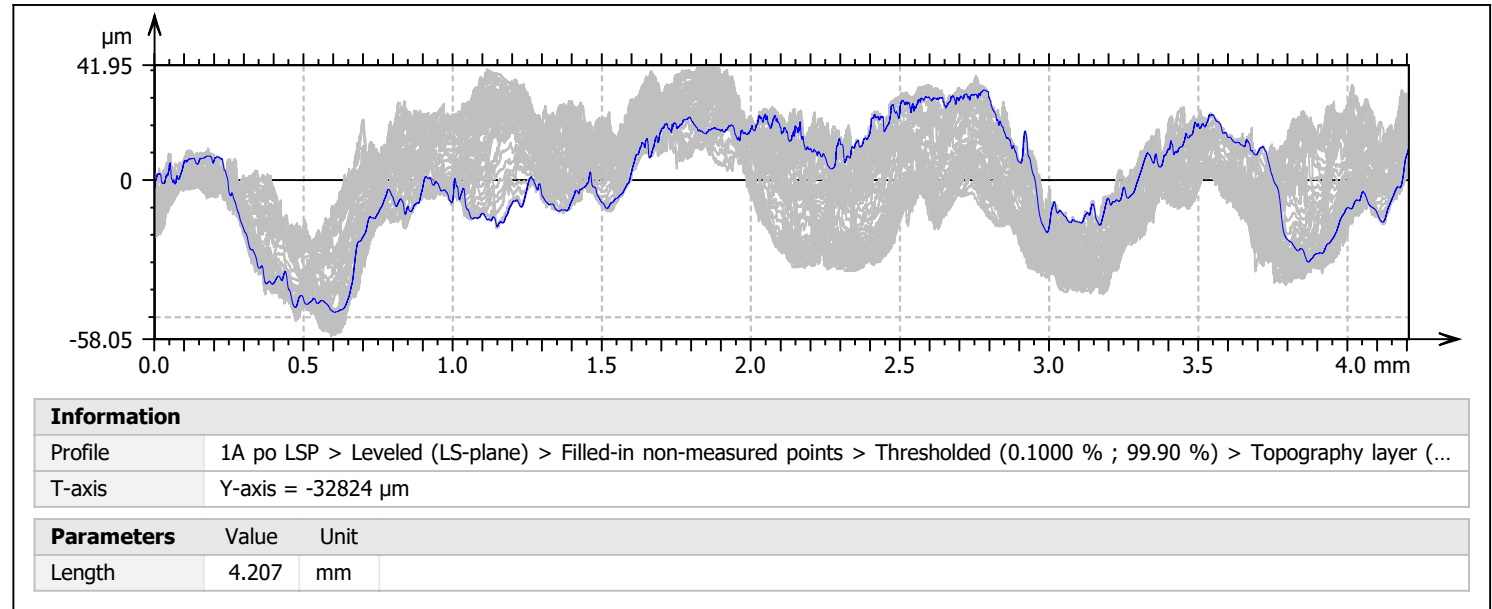
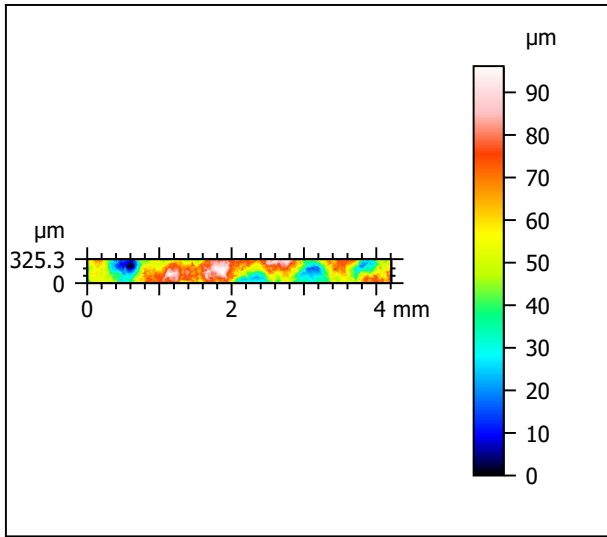


ISO 25178 - Primary surface			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_s</math>): Gaussian, 2.500 <math>\mu\text{m}</math></i>			
Feature parameters			
Sda	0.004884	mm <sup>2</sup>	
Sha	0.004039	mm <sup>2</sup>	
Sdv	1.601e-06	mm <sup>3</sup>	
Shv	1.261e-06	mm <sup>3</sup>	
Svd	66.51	1/mm <sup>2</sup>	
Svc	-1551	1/mm	
Functional parameters (Stratified surfaces)			
Sk	52.69	$\mu\text{m}$	
Spk	10.14	$\mu\text{m}$	
Svk	15.62	$\mu\text{m}$	
Smr1	6.087	%	
Smr2	86.95	%	
Spq	*****		
Svq	*****		
Smq	*****		
Warnings			
Spq, Svq, Smq: There should be two components (c...			
Str: The autocorrelation lobe touches the edges. Try...			

ISO 25178 - Waviness (S-F)			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_c</math>): Gaussian, 0.2500 mm</i>			
Feature parameters			
Sda	*****	mm <sup>2</sup>	
Sha	*****	mm <sup>2</sup>	
Sdv	*****	mm <sup>3</sup>	
Shv	*****	mm <sup>3</sup>	
Svd	5.116	1/mm <sup>2</sup>	
Svc	-1.107	1/mm	
Warnings			
The workflow already contains a 'Metrological filter' operator.			
Sha, Shv: No interior hills were found.			
Sda, Sdv: No interior dales were found.			
Str: The autocorrelation lobe touches the edges. Try to level...			

ISO 25178 - Roughness (S-L)			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_s</math>): Gaussian, 0.8000 <math>\mu\text{m}</math></i>			
<i>L-filter (<math>\lambda_c</math>): Gaussian, 0.2500 mm</i>			
Feature parameters			
S5v	15.64	$\mu\text{m}$	
Sda	0.0003551	mm <sup>2</sup>	
Sha	0.0004433	mm <sup>2</sup>	
Sdv	8.014e-08	mm <sup>3</sup>	
Shv	8.331e-08	mm <sup>3</sup>	
Svd	2315	1/mm <sup>2</sup>	
Svc	-13235	1/mm	
Functional parameters (Stratified surfaces)			
Sk	8.501	$\mu\text{m}$	
Spk	4.688	$\mu\text{m}$	
Svk	3.090	$\mu\text{m}$	
Smr1	12.16	%	
Smr2	90.44	%	
Spq	*****		
Svq	*****		
Smq	*****		
Warnings			
The workflow already contains a 'Metrological filter' operator.			
Spq, Svq, Smq: There should be two components (coarse va...			







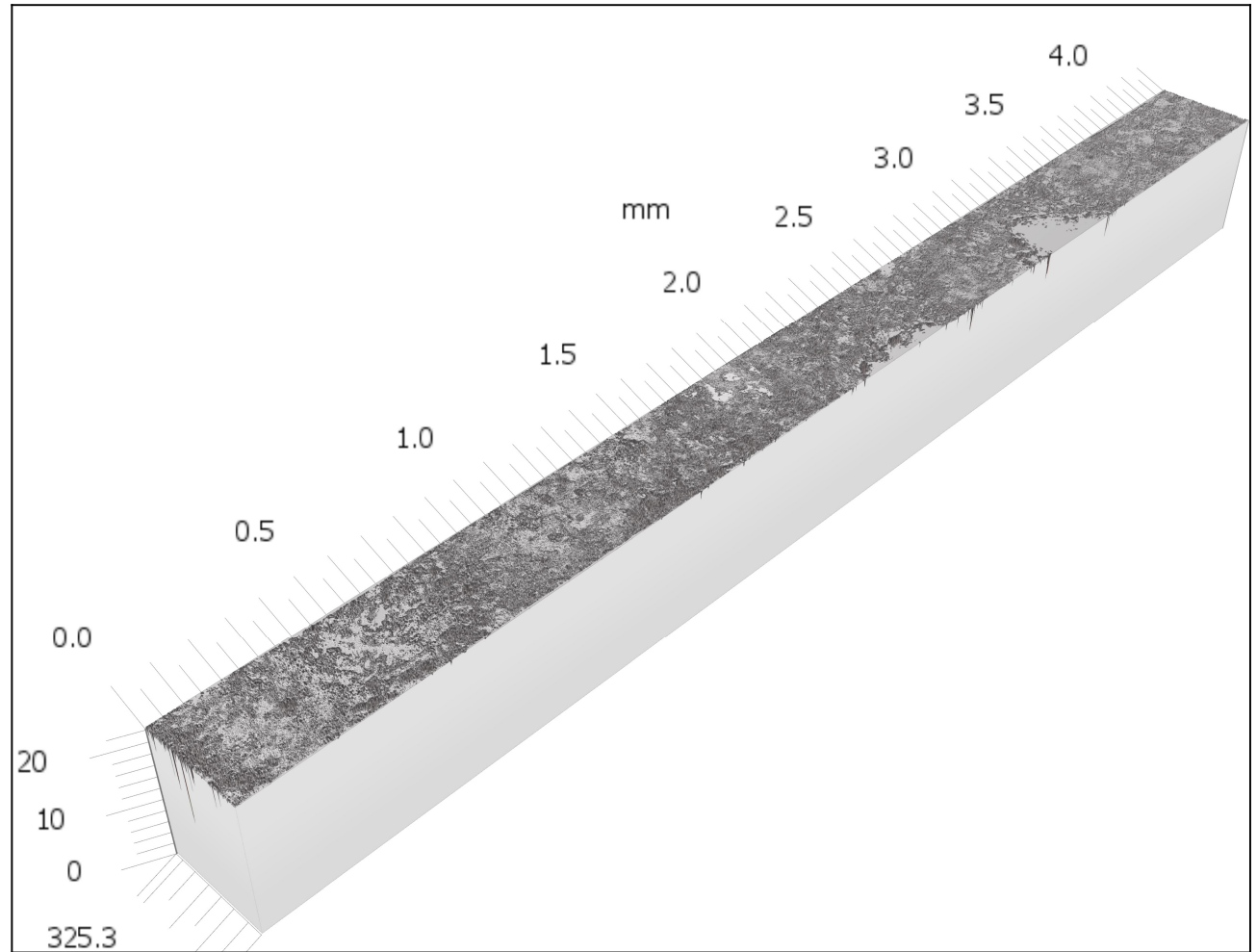
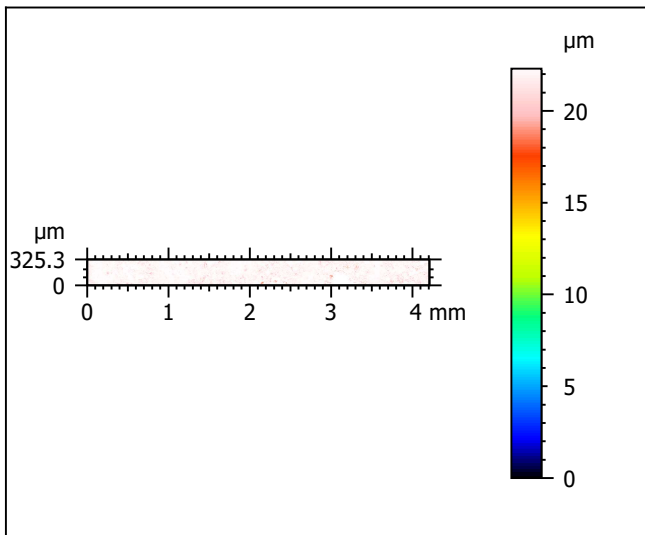
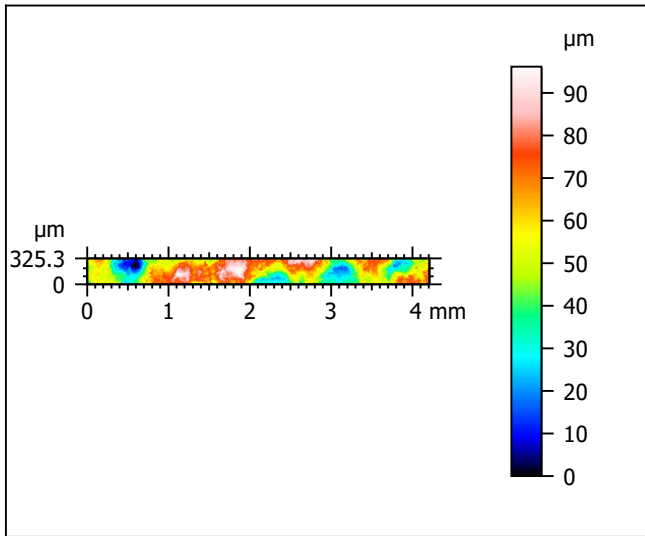
		Context	Mean	Std dev	Min	Max
<b>ISO 4287 - Roughness (S-L)</b>						
<i>F: None</i>						
<i>S-filter (<math>\lambda_s</math>): Gaussian, 2.500 <math>\mu\text{m}</math></i>						
<i>L-filter (<math>\lambda_c</math>): Gaussian, 0.8000 mm</i>						
<i>Evaluation length: All <math>\lambda_c</math> (5)</i>						
<b>Amplitude parameters</b>						
Rp	$\mu\text{m}$		15.41	1.535	12.74	18.82
Rv	$\mu\text{m}$		15.55	1.604	12.40	18.46
Rz	$\mu\text{m}$		30.96	2.396	26.88	35.59
Rc	$\mu\text{m}$	<i>No averaging (single value)</i>	14.86	1.947	11.07	19.79
Rt	$\mu\text{m}$		38.44	3.680	33.05	47.39
Ra	$\mu\text{m}$		6.323	0.7295	4.995	7.340
Rq	$\mu\text{m}$		7.540	0.7830	6.055	8.663
Rsk			-0.06189	0.1490	-0.3753	0.1527
Rku			2.307	0.1970	2.022	2.709
Rp1max	$\mu\text{m}$		19.16	2.688	15.25	27.29
Rv1max	$\mu\text{m}$		19.28	1.917	16.31	24.01
Rz1max	$\mu\text{m}$		36.76	3.782	30.82	45.47
Rz(n)	$\mu\text{m}$	<i><math>\lambda_c</math> index = 1</i>	34.13	5.396	24.86	44.87
<b>Spacing parameters</b>						
RSm	mm	<i>No averaging (single value)</i>	0.1901	0.0422	0.1332	0.3021
Rdq	°		33.90	3.115	18.39	38.48
<b>Material ratio parameters</b>						
Rmr	%	<i>c = 1.000 <math>\mu\text{m}</math> below highest peak</i>	0.2197	0.1334	0.03348	0.6490
Rdc	$\mu\text{m}$	<i>p = 20.00%, q = 80.00%</i>	13.94	2.010	10.10	16.78
Rmr (Rz/4)	%	<i>c = Rz/4 <math>\mu\text{m}</math> above mean plane</i>	17.03	2.411	12.18	21.25
Rmr (Rz/4) #1	%	<i>c = Rz/4 <math>\mu\text{m}</math> above mean plane</i>	17.03	2.411	12.18	21.25

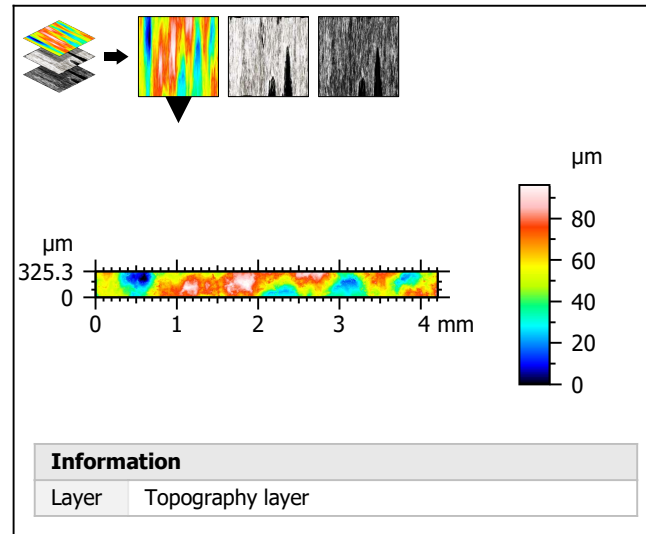
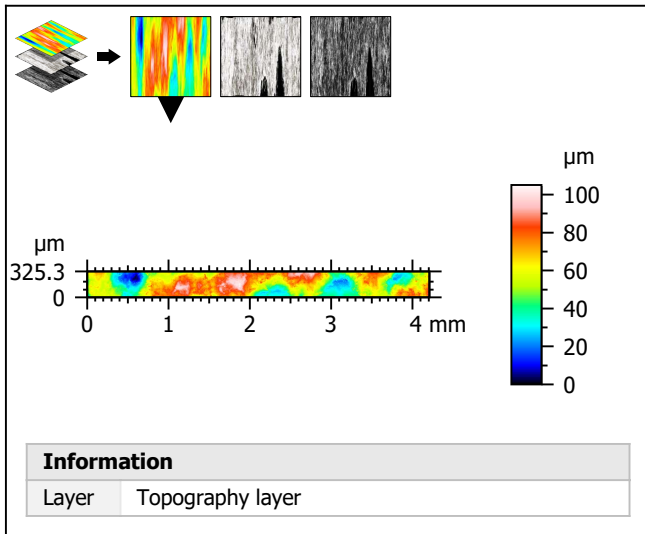
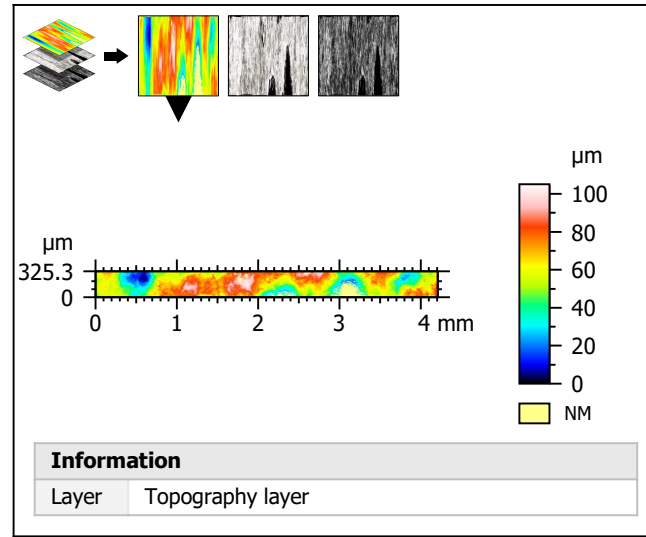
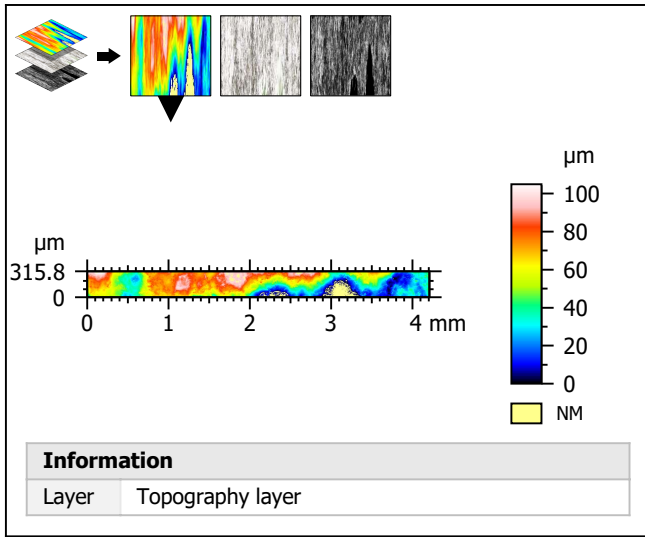


Context		Mean	Std dev	Min	Max	
<b>ISO 4287 - Waviness (S-F)</b>						
<i>F: None</i>						
<i>S-filter (Ac): Gaussian, 0.8000 mm</i>						
<i>Evaluation length: Total profile length (no averaging)</i>						
<b>Amplitude parameters</b>						
Wp	μm	24.97	2.963	19.41	29.91	
Wv	μm	28.33	6.435	18.80	37.65	
Wz	μm	53.31	8.516	38.61	64.01	
Wc	μm	51.77	9.383	37.82	64.01	
Wt	μm	53.31	8.516	38.61	64.01	
Wa	μm	12.71	0.9808	10.04	14.01	
Wq	μm	14.93	1.404	11.58	16.46	
Wsk		-0.0006541	0.2720	-0.4824	0.3941	
Wku		2.026	0.3014	1.575	2.465	
<b>Spacing parameters</b>						
WSm	mm	2.531	0.5169	1.607	3.215	
Wdq	°	3.022	0.3820	2.260	3.499	
<b>Material ratio parameters</b>						
Wmr	%	<i>c = 1.000 μm below highest peak</i>	4.177	1.357	2.971	8.276
Wdc	μm	<i>p = 20.00%, q = 80.00%</i>	30.21	3.030	22.70	34.18
Wmr (Wz/4)	%		25.21	4.531	15.19	33.86
<b>Information</b>						
Wc, WSm: The result could not be calculated on all elements of the series.						

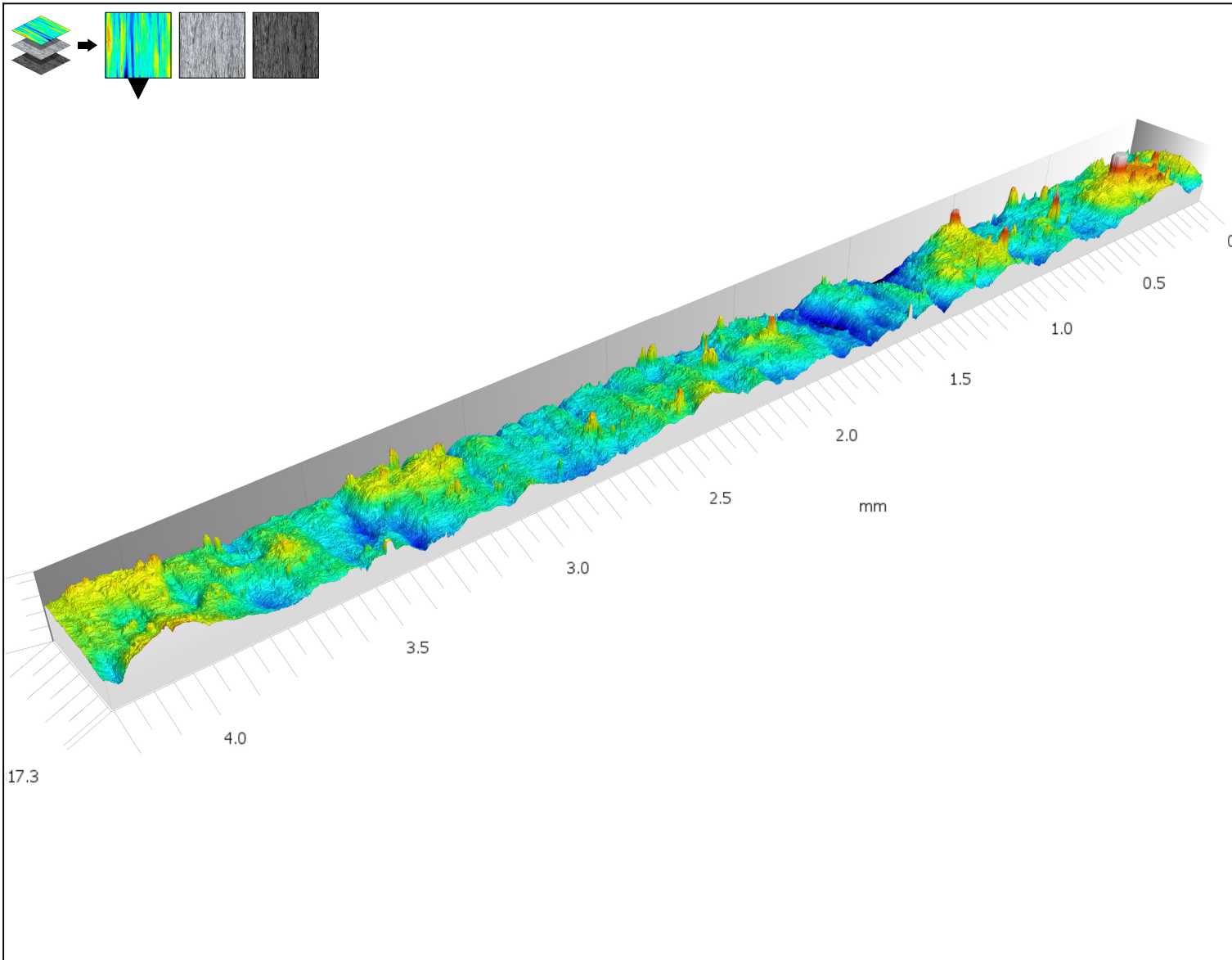


Context			Mean	Std dev	Min	Max
<b>ISO 4287 - Primary</b>						
<i>F: None</i>						
<i>S-filter (λs): Gaussian, 2.500 μm</i>						
<b>Amplitude parameters</b>						
Pp	μm		36.27	3.477	29.58	41.04
Pv	μm		42.02	10.69	27.15	56.55
Pz	μm		78.29	12.09	57.92	94.31
Pc	μm	<i>No averaging (single value)</i>	30.61	8.175	17.96	48.62
Pt	μm		78.29	12.09	57.92	94.31
Pa	μm		15.64	1.285	12.54	17.12
Pq	μm		19.08	1.967	14.81	21.36
Psk			-0.2573	0.2744	-0.7102	0.1047
Pku			2.313	0.3734	1.760	2.849
<b>Spacing parameters</b>						
PSm	mm	<i>No averaging (single value)</i>	0.5116	0.1760	0.2736	1.045
Pdq	°		34.77	3.299	19.00	41.62
<b>Material ratio parameters</b>						
Pmr	%	<i>c = 1.000 μm below highest peak</i>	0.5895	0.4765	0.05093	1.774
Pdc	μm	<i>p = 20.00%, q = 80.00%</i>	35.84	2.681	30.07	41.29



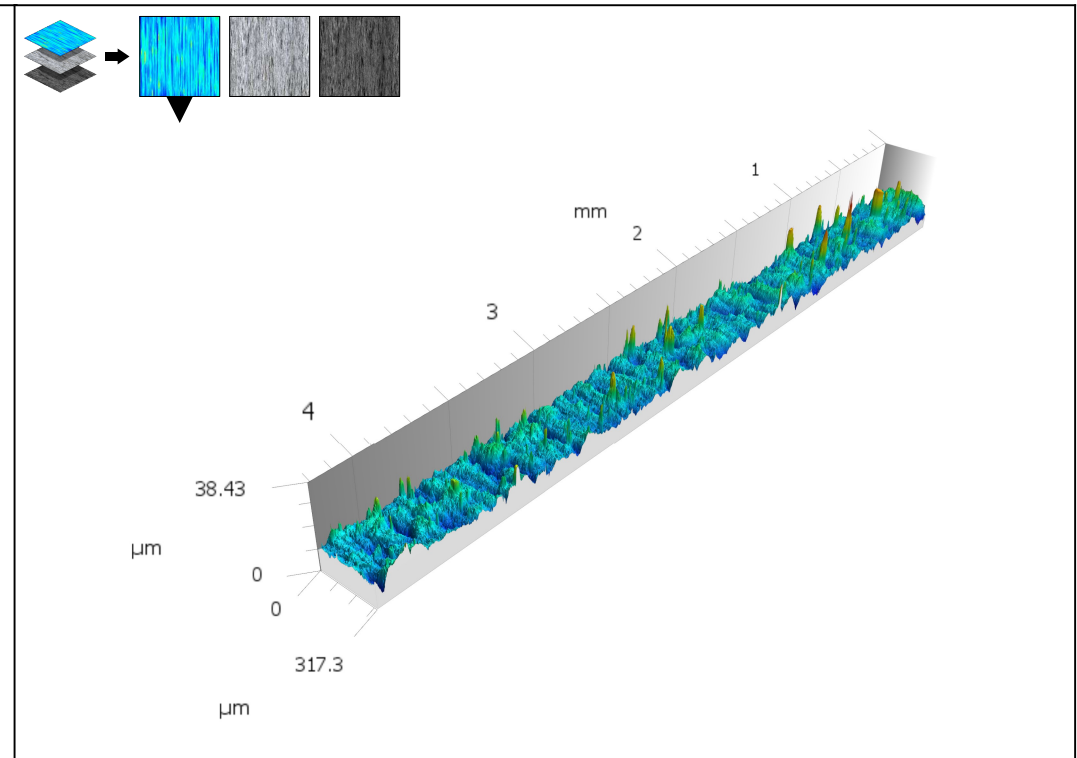
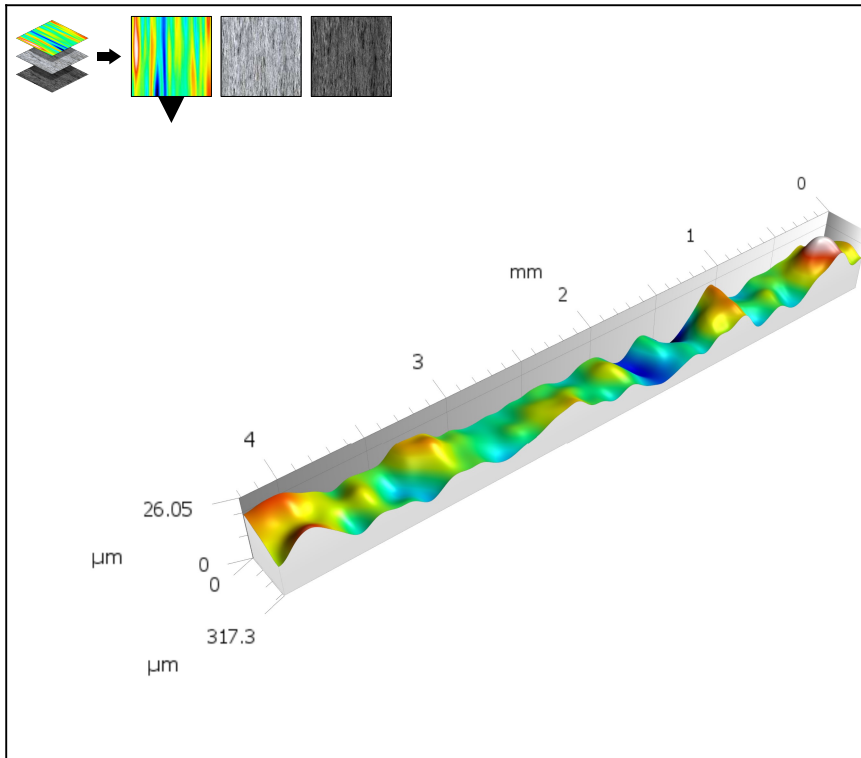
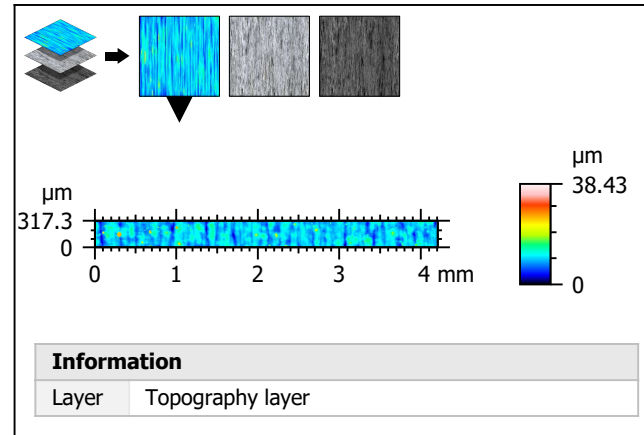
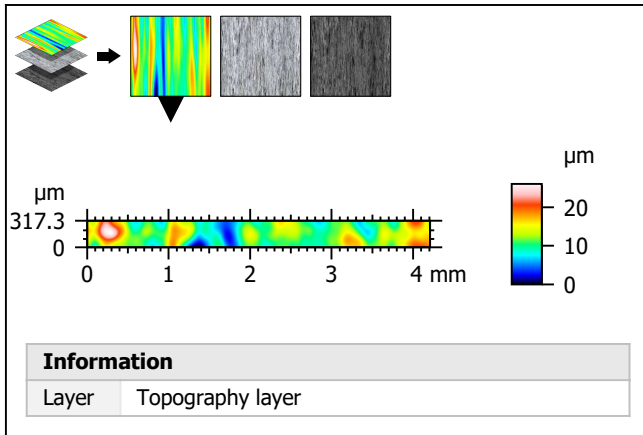






Document name	Template ---...
Mountains version	MarSurf MfM Premium 8.1.9286

Identity card			
Name:	2A		
Studiable type:	Surface+image		
<b>Axis:</b>	<b>X</b>		
Length:	4.206	mm	
Size:	15706	points	
Spacing:	0.2678	$\mu\text{m}$	
Offset:	66.58	mm	
<b>Axis:</b>	<b>Y</b>		
Length:	315.8	$\mu\text{m}$	
Size:	1181	points	
Spacing:	0.2677	$\mu\text{m}$	
Offset:	41531	$\mu\text{m}$	
<b>Axis:</b>	<b>Z</b>		
Layer type:	Topography		
Length:	73.99	$\mu\text{m}$	
Min:	64.80	$\mu\text{m}$	
Max:	138.8	$\mu\text{m}$	
Size:	65535	digits	
Spacing:	1.129	nm	
NM-points ratio:	0.07184 % (13326 Pts)		





ISO 25178 - Primary surface			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_s</math>): Gaussian, 2.500 <math>\mu\text{m}</math></i>			
Height parameters			
Sq	5.246	$\mu\text{m}$	
Ssk	0.5123		
Sku	4.535		
Sp	28.71	$\mu\text{m}$	
Sv	16.27	$\mu\text{m}$	
Sz	44.98	$\mu\text{m}$	
Sa	4.033	$\mu\text{m}$	
Functional parameters			
Smr	0.1289	%	
Smc	6.592	$\mu\text{m}$	
Sxp	9.261	$\mu\text{m}$	
Spatial parameters			
Sal	0.1645	mm	
Str	*****		
Std	108.7	$^\circ$	
Hybrid parameters			
Sdq	0.3880		
Sdr	4.888	%	
Functional parameters (Volume)			
Vm	0.000343	$\text{mm}^3/\text{mm}^2$	
Vv	0.006935	$\text{mm}^3/\text{mm}^2$	
Vmp	0.000343	$\text{mm}^3/\text{mm}^2$	
Vmc	0.004325	$\text{mm}^3/\text{mm}^2$	
Vvc	0.006407	$\text{mm}^3/\text{mm}^2$	
Vvv	0.0005286	$\text{mm}^3/\text{mm}^2$	
Feature parameters			
Spd	203.8	$1/\text{mm}^2$	
Spc	1620	$1/\text{mm}$	
S10z	39.77	$\mu\text{m}$	
S5p	25.81	$\mu\text{m}$	
S5v	13.96	$\mu\text{m}$	

ISO 25178 - Waviness (S-F)			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_c</math>): Gaussian, 0.2500 mm</i>			
Height parameters			
Sq	3.694	$\mu\text{m}$	
Ssk	0.3526		
Sku	3.369		
Sp	11.74	$\mu\text{m}$	
Sv	9.866	$\mu\text{m}$	
Sz	21.61	$\mu\text{m}$	
Sa	2.857	$\mu\text{m}$	
Functional parameters			
Smr	0.6229	%	
Smc	4.778	$\mu\text{m}$	
Sxp	6.985	$\mu\text{m}$	
Spatial parameters			
Sal	0.3415	mm	
Str	*****		
Std	16.75	$^\circ$	
Hybrid parameters			
Sdq	0.03143		
Sdr	0.04936	%	
Functional parameters (Volume)			
Vm	0.0002251	$\text{mm}^3/\text{mm}^2$	
Vv	0.005003	$\text{mm}^3/\text{mm}^2$	
Vmp	0.0002251	$\text{mm}^3/\text{mm}^2$	
Vmc	0.0029	$\text{mm}^3/\text{mm}^2$	
Vvc	0.004586	$\text{mm}^3/\text{mm}^2$	
Vvv	0.0004168	$\text{mm}^3/\text{mm}^2$	
Feature parameters			
Spd	5.245	$1/\text{mm}^2$	
Spc	0.4668	$1/\text{mm}$	
S10z	13.44	$\mu\text{m}$	
S5p	7.272	$\mu\text{m}$	
S5v	6.167	$\mu\text{m}$	

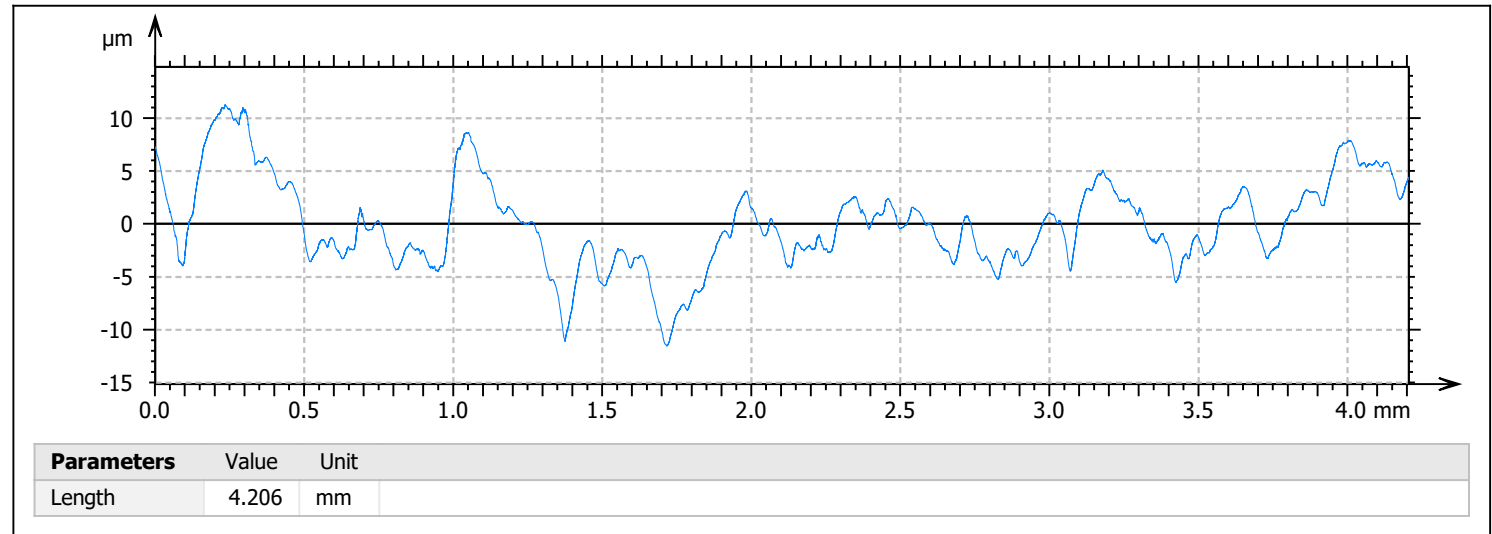
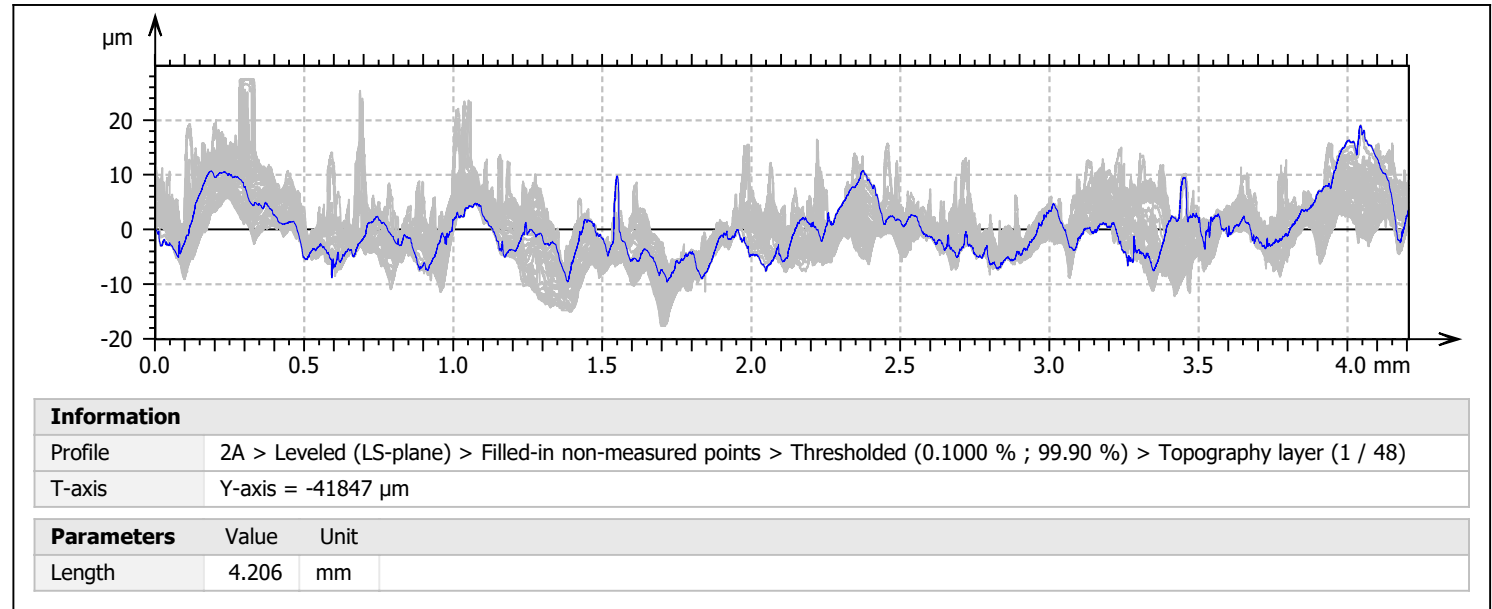
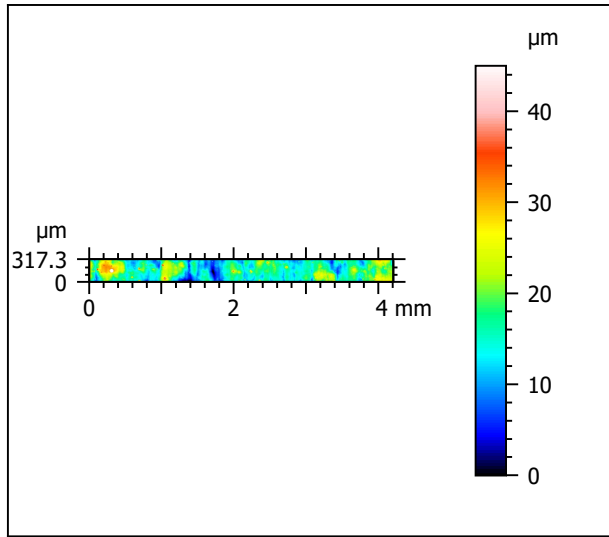
ISO 25178 - Roughness (S-L)			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_s</math>): Gaussian, 0.8000 <math>\mu\text{m}</math></i>			
<i>L-filter (<math>\lambda_c</math>): Gaussian, 0.2500 mm</i>			
Height parameters			
Sq	1.975	$\mu\text{m}$	
Ssk	1.635		
Sku	13.44		
Sp	27.67	$\mu\text{m}$	
Sv	9.577	$\mu\text{m}$	
Sz	37.25	$\mu\text{m}$	
Sa	1.359	$\mu\text{m}$	
Functional parameters			
Smr	0.0001833	%	
Smc	1.962	$\mu\text{m}$	
Sxp	3.454	$\mu\text{m}$	
Spatial parameters			
Sal	0.02763	mm	
Str	0.4536		
Std	108.7	$^\circ$	
Hybrid parameters			
Sdq	0.6378		
Sdr	9.528	%	
Functional parameters (Volume)			
Vm	0.0001731	$\text{mm}^3/\text{mm}^2$	
Vv	0.002135	$\text{mm}^3/\text{mm}^2$	
Vmp	0.0001731	$\text{mm}^3/\text{mm}^2$	
Vmc	0.001404	$\text{mm}^3/\text{mm}^2$	
Vvc	0.001925	$\text{mm}^3/\text{mm}^2$	
Vvv	0.0002105	$\text{mm}^3/\text{mm}^2$	
Feature parameters			
Spd	535.8	$1/\text{mm}^2$	
Spc	11065	$1/\text{mm}$	
S10z	32.33	$\mu\text{m}$	
S5p	23.63	$\mu\text{m}$	



ISO 25178 - Primary surface			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_s</math>): Gaussian, 2.500 <math>\mu\text{m}</math></i>			
Feature parameters			
Sda	0.008528	mm <sup>2</sup>	
Sha	0.002789	mm <sup>2</sup>	
Sdv	5.058e-07	mm <sup>3</sup>	
Shv	5.223e-07	mm <sup>3</sup>	
Svd	50.95	1/mm <sup>2</sup>	
Svc	-977.3	1/mm	
Functional parameters (Stratified surfaces)			
Sk	11.96	$\mu\text{m}$	
Spk	6.893	$\mu\text{m}$	
Svk	4.958	$\mu\text{m}$	
Smr1	13.27	%	
Smr2	91.12	%	
Spq	*****		
Svq	*****		
Smq	*****		
Warnings			
Spq, Svq, Smq: There should be two components (c...			
Str: The autocorrelation lobe touches the edges. Try...			

ISO 25178 - Waviness (S-F)			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_c</math>): Gaussian, 0.2500 mm</i>			
Feature parameters			
Sda	*****	mm <sup>2</sup>	
Sha	*****	mm <sup>2</sup>	
Sdv	*****	mm <sup>3</sup>	
Shv	*****	mm <sup>3</sup>	
Svd	8.992	1/mm <sup>2</sup>	
Svc	-0.5765	1/mm	
Warnings			
The workflow already contains a 'Metrological filter' operator.			
Sha, Shv: No interior hills were found.			
Sda, Sdv: No interior dales were found.			
Str: The autocorrelation lobe touches the edges. Try to level...			

ISO 25178 - Roughness (S-L)			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_s</math>): Gaussian, 0.8000 <math>\mu\text{m}</math></i>			
<i>L-filter (<math>\lambda_c</math>): Gaussian, 0.2500 mm</i>			
Feature parameters			
S5v	8.700	$\mu\text{m}$	
Sda	0.002008	mm <sup>2</sup>	
Sha	0.001301	mm <sup>2</sup>	
Sdv	2.789e-07	mm <sup>3</sup>	
Shv	2.59e-07	mm <sup>3</sup>	
Svd	187.3	1/mm <sup>2</sup>	
Svc	-14401	1/mm	
Functional parameters (Stratified surfaces)			
Sk	3.746	$\mu\text{m}$	
Spk	3.316	$\mu\text{m}$	
Svk	1.992	$\mu\text{m}$	
Smr1	11.38	%	
Smr2	87.78	%	
Spq	*****		
Svq	*****		
Smq	*****		
Warnings			
The workflow already contains a 'Metrological filter' operator.			
Spq, Svq, Smq: There should be two components (coarse va...			





Context			Mean	Std dev	Min	Max
<b>ISO 4287 - Roughness (S-L)</b>						
<i>F: None</i>						
<i>S-filter (<math>\lambda_s</math>): Gaussian, 2.500 <math>\mu\text{m}</math></i>						
<i>L-filter (<math>\lambda_c</math>): Gaussian, 0.8000 mm</i>						
<i>Evaluation length: All <math>\lambda_c</math> (5)</i>						
<b>Amplitude parameters</b>						
Rp	$\mu\text{m}$		8.869	1.406	6.151	10.90
Rv	$\mu\text{m}$		7.873	0.8510	6.008	9.493
Rz	$\mu\text{m}$		16.74	1.635	13.23	19.71
Rc	$\mu\text{m}$	<i>No averaging (single value)</i>	8.974	1.020	6.909	11.66
Rt	$\mu\text{m}$		24.60	4.917	16.19	34.96
Ra	$\mu\text{m}$		2.647	0.1258	2.445	2.961
Rq	$\mu\text{m}$		3.330	0.1987	2.957	3.872
Rsk			0.0723	0.2216	-0.383	0.5026
Rku			3.346	0.5633	2.358	4.544
Rp1max	$\mu\text{m}$		14.59	4.436	6.583	24.62
Rv1max	$\mu\text{m}$		10.01	1.207	7.356	12.39
Rz1max	$\mu\text{m}$		23.85	5.012	16.03	34.96
Rz(n)	$\mu\text{m}$	<i><math>\lambda_c</math> index = 1</i>	21.17	5.639	13.69	34.96
<b>Spacing parameters</b>						
RSm	mm	<i>No averaging (single value)</i>	0.1924	0.02214	0.1499	0.2379
Rdq	°		15.85	2.473	10.69	20.38
<b>Material ratio parameters</b>						
Rmr	%	<i>c = 1.000 <math>\mu\text{m}</math> below highest peak</i>	0.3850	0.3827	0.02678	1.572
Rdc	$\mu\text{m}$	<i>p = 20.00%, q = 80.00%</i>	5.369	0.2753	4.924	5.950
Rmr (Rz/4)	%	<i>c = Rz/4 <math>\mu\text{m}</math> above mean plane</i>	9.422	2.709	4.472	17.49
Rmr (Rz/4) #1	%	<i>c = Rz/4 <math>\mu\text{m}</math> above mean plane</i>	9.422	2.709	4.472	17.49

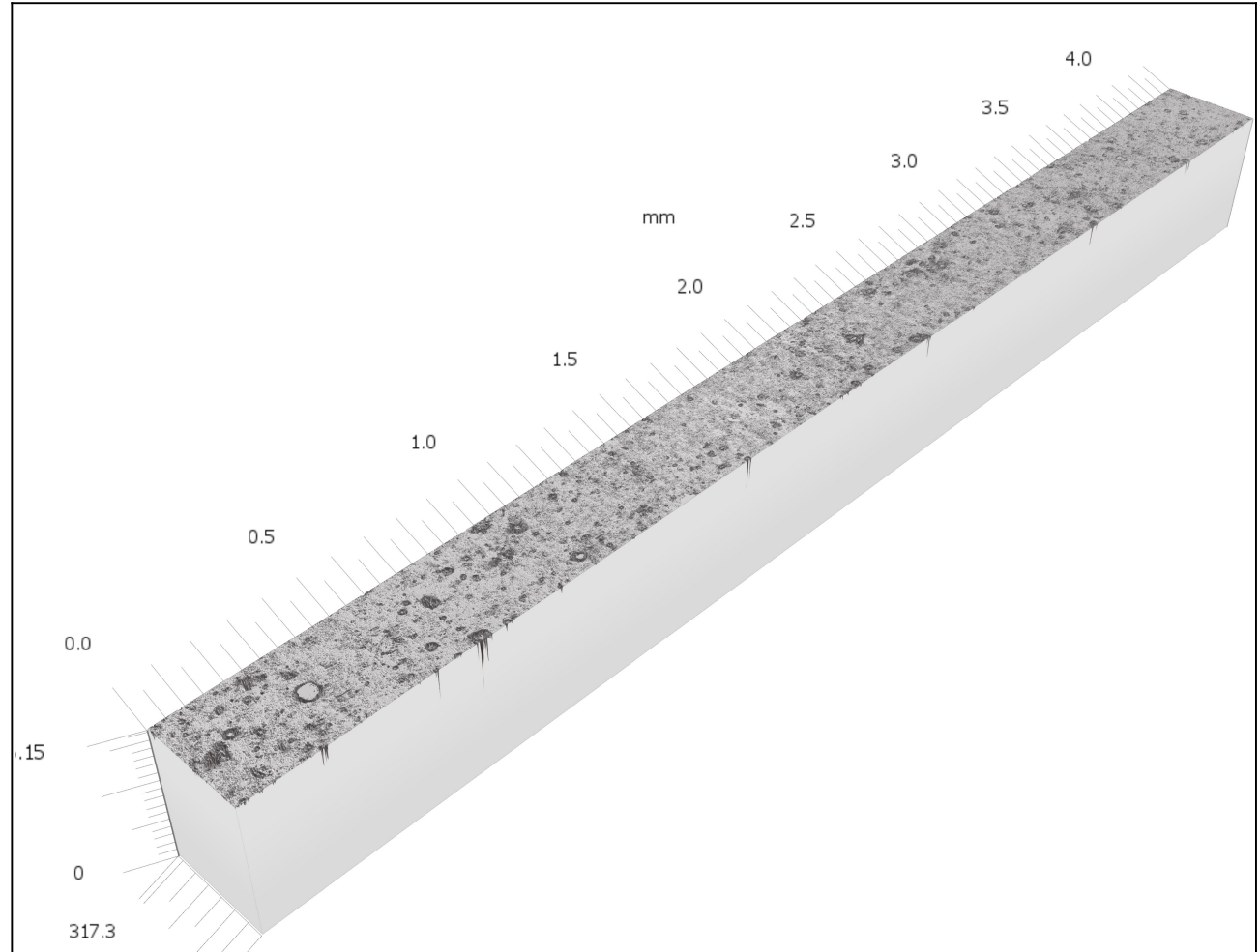
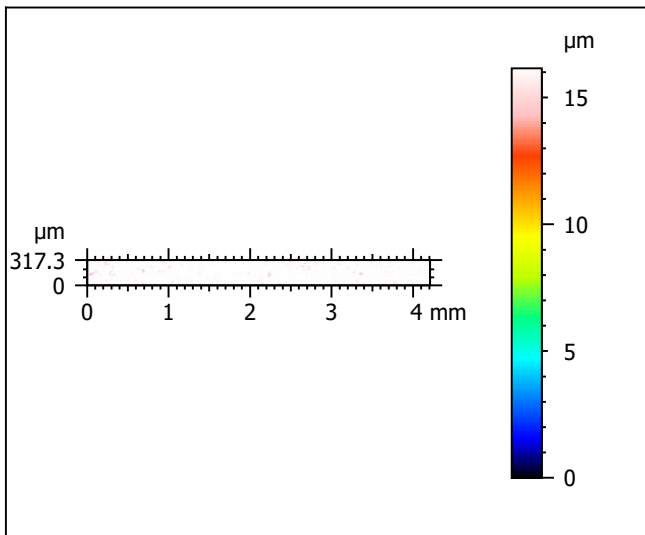
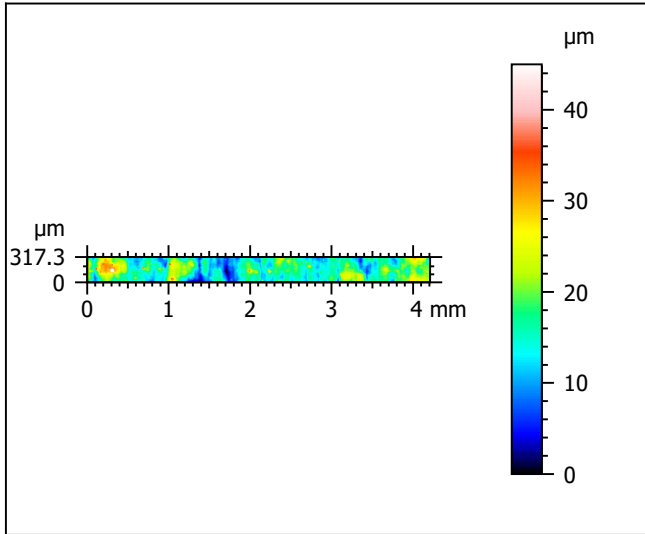


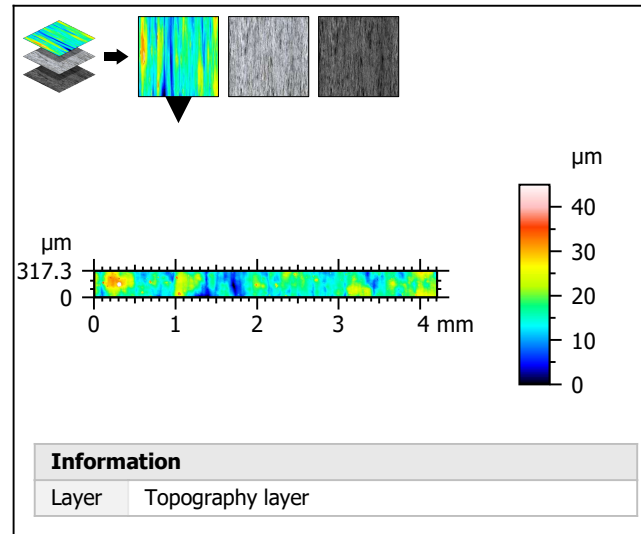
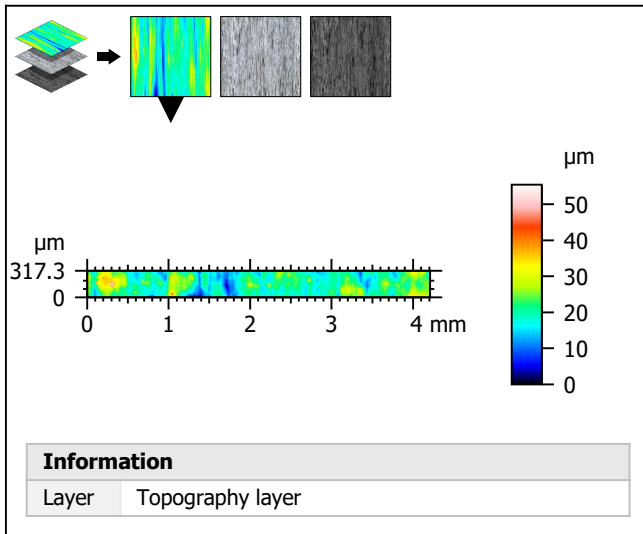
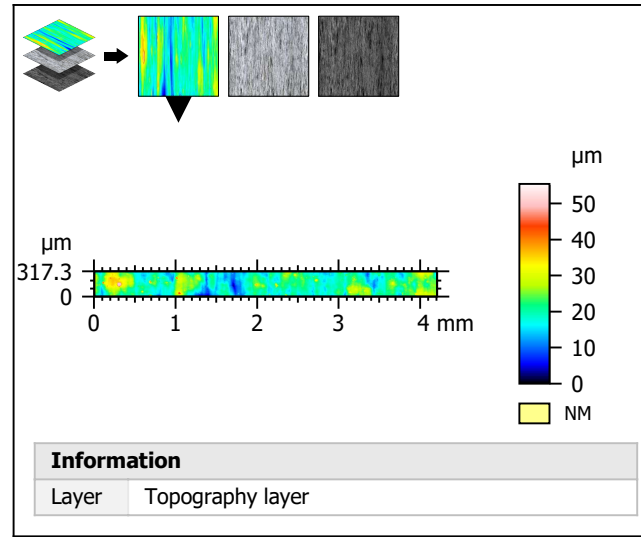
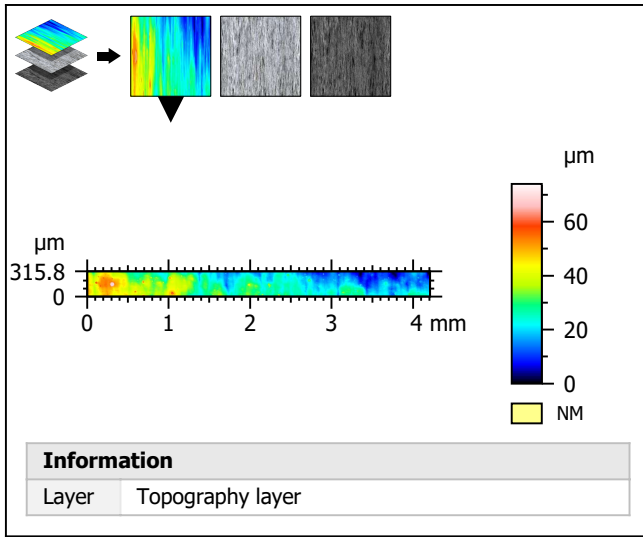


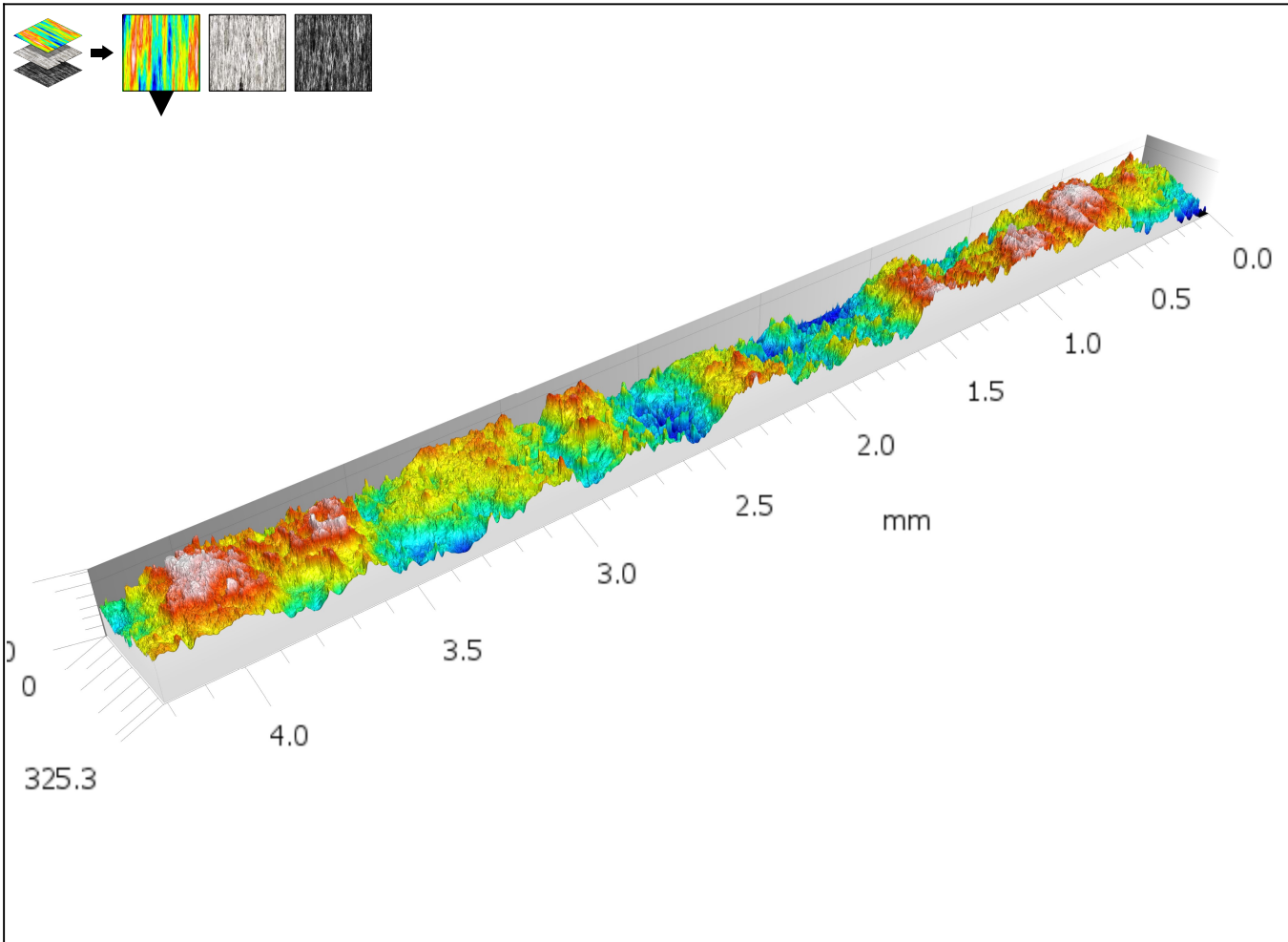
		Context	Mean	Std dev	Min	Max
<b>ISO 4287 - Waviness (S-F)</b>						
<i>F: None</i>						
<i>S-filter (λc): Gaussian, 0.8000 mm</i>						
<i>Evaluation length: Total profile length (no averaging)</i>						
<b>Amplitude parameters</b>						
Wp	μm		7.796	1.751	4.344	10.79
Wv	μm		5.978	0.8196	4.732	7.759
Wz	μm		13.77	2.399	9.967	17.82
Wc	μm		9.208	2.373	5.282	16.94
Wt	μm		13.77	2.399	9.967	17.82
Wa	μm		2.455	0.1634	2.012	2.905
Wq	μm		3.189	0.3192	2.618	3.921
Wsk			0.5283	0.3731	-0.2241	1.114
Wku			3.248	0.6952	2.104	4.379
<b>Spacing parameters</b>						
WSm	mm		1.798	0.5301	1.295	2.880
Wdq	°		0.6888	0.05894	0.5744	0.8013
<b>Material ratio parameters</b>						
Wmr	%	<i>c = 1.000 μm below highest peak</i>	5.856	2.453	3.172	14.79
Wdc	μm	<i>p = 20.00%, q = 80.00%</i>	4.400	0.4592	3.339	5.153
Wmr (Wz/4)	%		14.08	4.337	8.309	24.00
<b>Information</b>						
Wc, WSm: The result could not be calculated on all elements of the series.						



Context			Mean	Std dev	Min	Max
<b>ISO 4287 - Primary</b>						
<i>F: None</i>						
<i>S-filter (As): Gaussian, 2.500 μm</i>						
<b>Amplitude parameters</b>						
Pp	μm		18.30	5.178	9.929	27.53
Pv	μm		13.63	2.337	9.570	17.65
Pz	μm		31.93	6.422	23.99	44.98
Pc	μm	<i>No averaging (single value)</i>	10.87	1.061	8.449	13.30
Pt	μm		31.93	6.422	23.99	44.98
Pa	μm		3.977	0.1872	3.609	4.263
Pq	μm		5.164	0.3757	4.558	5.907
Psk			0.4367	0.4084	-0.1979	1.244
Pku			3.940	1.486	2.685	7.909
<b>Spacing parameters</b>						
PSm	mm	<i>No averaging (single value)</i>	0.2610	0.03599	0.1971	0.3463
Pdq	°		16.64	3.059	10.68	22.47
<b>Material ratio parameters</b>						
Pmr	%	<i>c = 1.000 μm below highest peak</i>	0.5011	0.5159	0.02547	2.248
Pdc	μm	<i>p = 20.00%, q = 80.00%</i>	7.994	0.4423	7.117	8.929

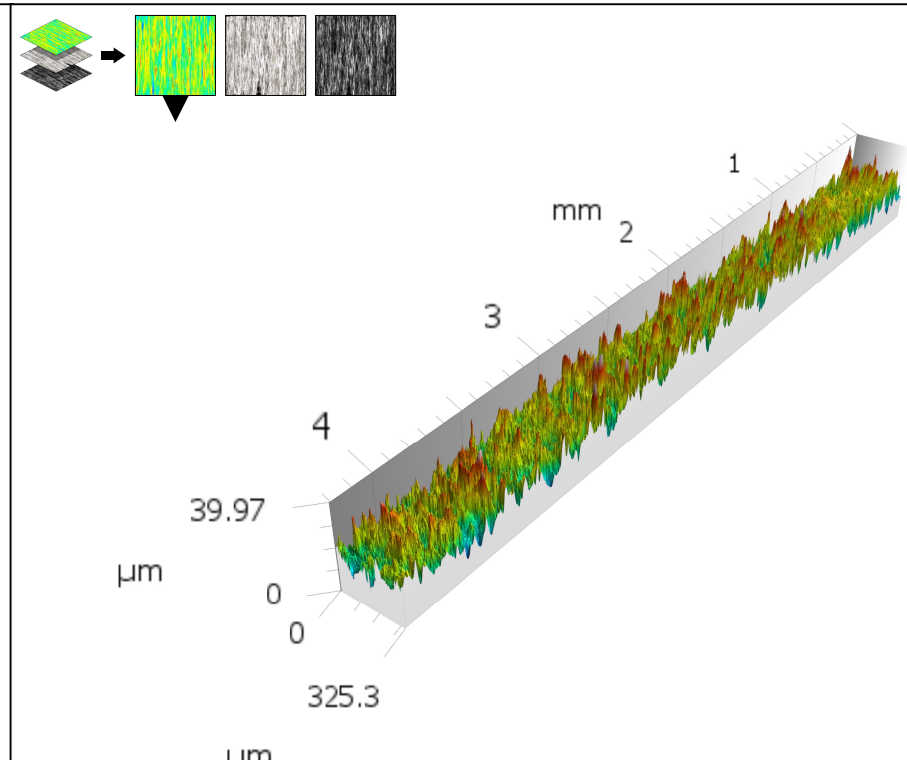
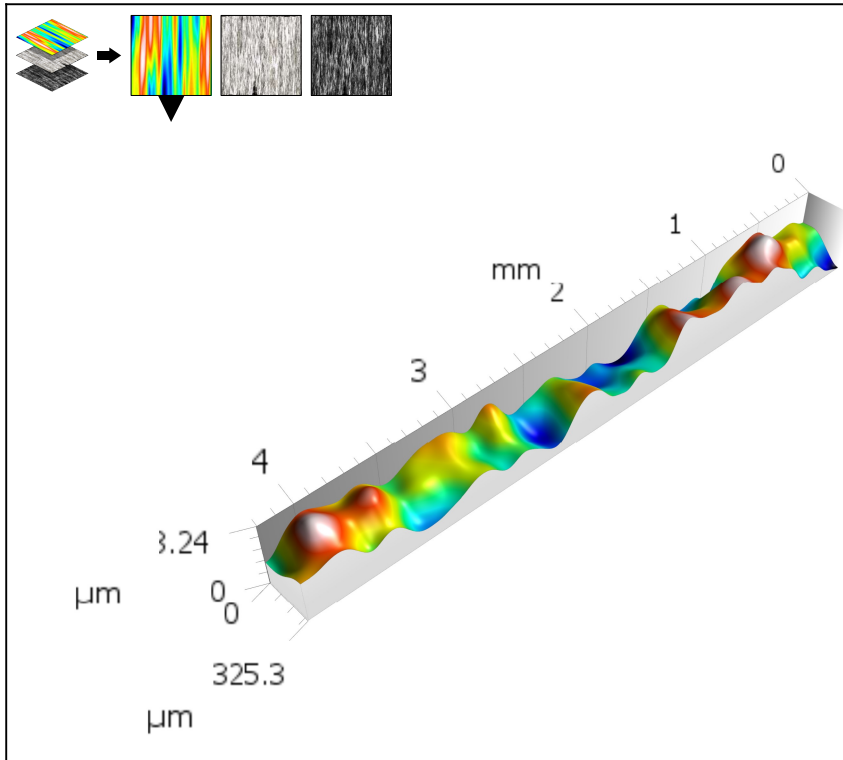
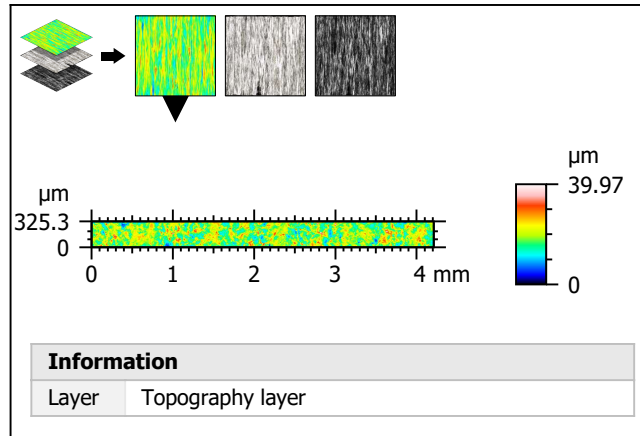
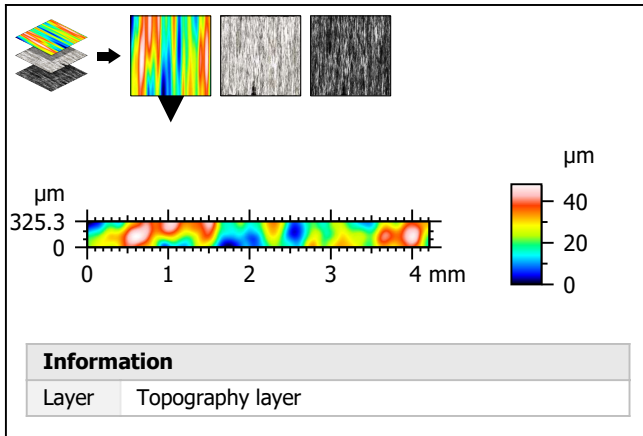






Document name	Template ---...
Mountains version	MarSurf MfM Premium 8.1.9286

Identity card			
Name:	2A po LSP		
Studiabile type:	Surface+image		
<b>Axis:</b>	<b>X</b>		
Length:	4.209	mm	
Size:	15717	points	
Spacing:	0.2678	$\mu\text{m}$	
Offset:	44.65	mm	
<b>Axis:</b>	<b>Y</b>		
Length:	315.8	$\mu\text{m}$	
Size:	1181	points	
Spacing:	0.2677	$\mu\text{m}$	
Offset:	32503	$\mu\text{m}$	
<b>Axis:</b>	<b>Z</b>		
Layer type:	Topography		
Length:	103.3	$\mu\text{m}$	
Min:	-10.29	$\mu\text{m}$	
Max:	92.96	$\mu\text{m}$	
Size:	65534	digits	
Spacing:	1.576	nm	
NM-points ratio:	0.8548 % (158664 Pts)		





ISO 25178 - Primary surface			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_s</math>): Gaussian, 2.500 <math>\mu\text{m}</math></i>			
Height parameters			
Sq	12.49	$\mu\text{m}$	
Ssk	-0.01611		
Sku	2.363		
Sp	30.39	$\mu\text{m}$	
Sv	32.02	$\mu\text{m}$	
Sz	62.41	$\mu\text{m}$	
Sa	10.30	$\mu\text{m}$	
Functional parameters			
Smr	0.2054	%	
Smc	16.78	$\mu\text{m}$	
Sxp	23.66	$\mu\text{m}$	
Spatial parameters			
Sal	0.1620	mm	
Str	*****		
Std	4.490	°	
Hybrid parameters			
Sdq	0.9920		
Sdr	29.03	%	
Functional parameters (Volume)			
Vm	0.0004423	$\text{mm}^3/\text{mm}^2$	
Vv	0.01722	$\text{mm}^3/\text{mm}^2$	
Vmp	0.0004423	$\text{mm}^3/\text{mm}^2$	
Vmc	0.01229	$\text{mm}^3/\text{mm}^2$	
Vvc	0.01601	$\text{mm}^3/\text{mm}^2$	
Vvv	0.001209	$\text{mm}^3/\text{mm}^2$	
Feature parameters			
Spd	363.7	$1/\text{mm}^2$	
Spc	1465	$1/\text{mm}$	
S10z	62.40	$\mu\text{m}$	
S5p	30.39	$\mu\text{m}$	
S5v	32.01	$\mu\text{m}$	

ISO 25178 - Waviness (S-F)			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_c</math>): Gaussian, 0.2500 mm</i>			
Height parameters			
Sq	9.695	$\mu\text{m}$	
Ssk	-0.01709		
Sku	2.145		
Sp	20.02	$\mu\text{m}$	
Sv	22.07	$\mu\text{m}$	
Sz	42.09	$\mu\text{m}$	
Sa	8.096	$\mu\text{m}$	
Functional parameters			
Smr	0.5002	%	
Smc	13.41	$\mu\text{m}$	
Sxp	17.32	$\mu\text{m}$	
Spatial parameters			
Sal	0.2297	mm	
Str	*****		
Std	4.498	°	
Hybrid parameters			
Sdq	0.07855		
Sdr	0.3076	%	
Functional parameters (Volume)			
Vm	0.0002513	$\text{mm}^3/\text{mm}^2$	
Vv	0.01366	$\text{mm}^3/\text{mm}^2$	
Vmp	0.0002513	$\text{mm}^3/\text{mm}^2$	
Vmc	0.009667	$\text{mm}^3/\text{mm}^2$	
Vvc	0.01273	$\text{mm}^3/\text{mm}^2$	
Vvv	0.0009335	$\text{mm}^3/\text{mm}^2$	
Feature parameters			
Spd	5.842	$1/\text{mm}^2$	
Spc	0.9941	$1/\text{mm}$	
S10z	33.93	$\mu\text{m}$	
S5p	16.12	$\mu\text{m}$	
S5v	17.81	$\mu\text{m}$	

ISO 25178 - Roughness (S-L)			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (<math>\lambda_s</math>): Gaussian, 0.8000 <math>\mu\text{m}</math></i>			
<i>L-filter (<math>\lambda_c</math>): Gaussian, 0.2500 mm</i>			
Height parameters			
Sq	3.821	$\mu\text{m}$	
Ssk	0.5126		
Sku	3.624		
Sp	20.04	$\mu\text{m}$	
Sv	17.98	$\mu\text{m}$	
Sz	38.02	$\mu\text{m}$	
Sa	2.994	$\mu\text{m}$	
Functional parameters			
Smr	0.00263	%	
Smc	4.974	$\mu\text{m}$	
Sxp	6.301	$\mu\text{m}$	
Spatial parameters			
Sal	0.02316	mm	
Str	0.8700		
Std	108.0	°	
Hybrid parameters			
Sdq	1.685		
Sdr	54.90	%	
Functional parameters (Volume)			
Vm	0.000245	$\text{mm}^3/\text{mm}^2$	
Vv	0.005219	$\text{mm}^3/\text{mm}^2$	
Vmp	0.000245	$\text{mm}^3/\text{mm}^2$	
Vmc	0.003331	$\text{mm}^3/\text{mm}^2$	
Vvc	0.004877	$\text{mm}^3/\text{mm}^2$	
Vvv	0.0003428	$\text{mm}^3/\text{mm}^2$	
Feature parameters			
Spd	1918	$1/\text{mm}^2$	
Spc	13230	$1/\text{mm}$	
S10z	35.40	$\mu\text{m}$	
S5p	19.17	$\mu\text{m}$	

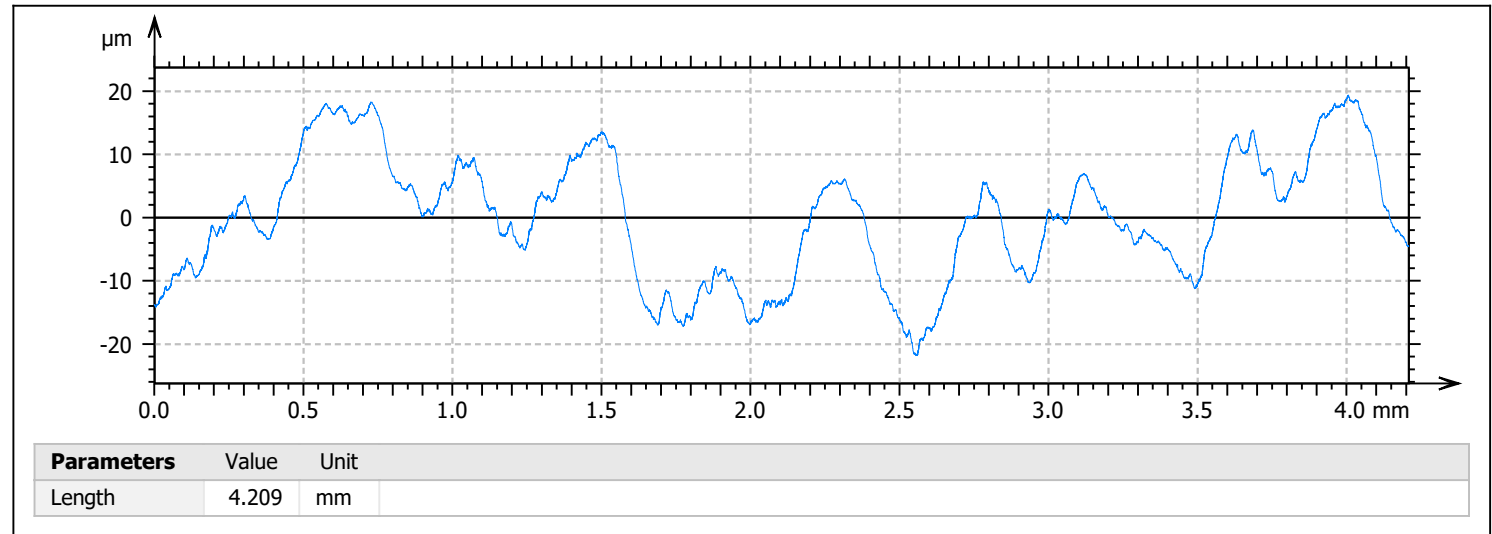
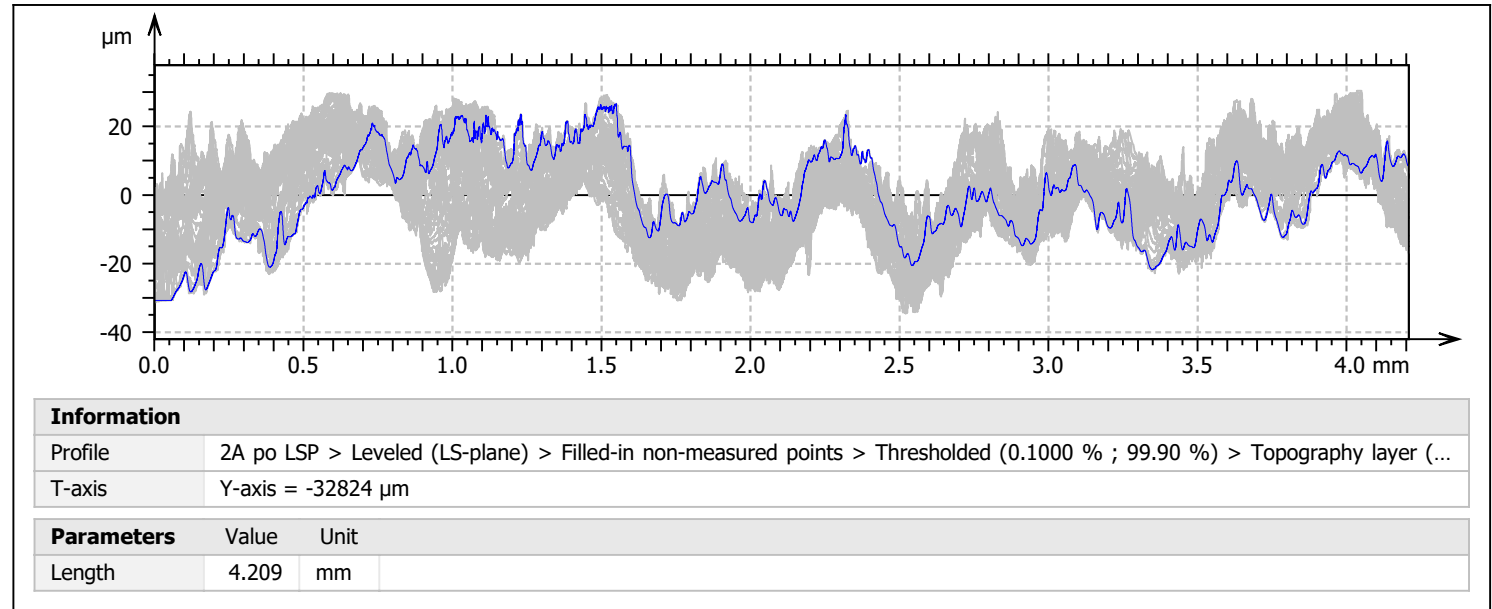
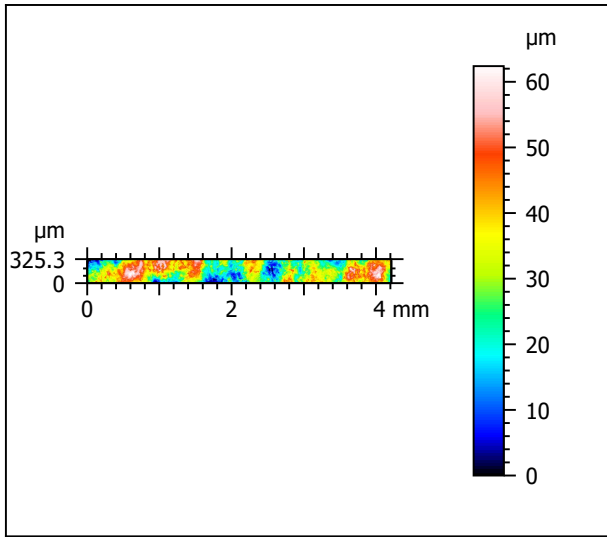




ISO 25178 - Primary surface			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (λs): Gaussian, 2.500 μm</i>			
Feature parameters			
Sda	0.00231	mm <sup>2</sup>	
Sha	0.002398	mm <sup>2</sup>	
Sdv	6.962e-07	mm <sup>3</sup>	
Shv	8.057e-07	mm <sup>3</sup>	
Svd	305.3	1/mm <sup>2</sup>	
Svc	-2116	1/mm	
Functional parameters (Stratified surfaces)			
Sk	35.42	μm	
Spk	8.103	μm	
Svk	8.942	μm	
Smr1	8.597	%	
Smr2	91.67	%	
Spq	6.370		
Svq	12.85		
Smq	4.949		
Warnings			
Str: The autocorrelation lobe touches the edges. Try...			

ISO 25178 - Waviness (S-F)			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (λc): Gaussian, 0.2500 mm</i>			
Feature parameters			
Sda	*****	mm <sup>2</sup>	
Sha	*****	mm <sup>2</sup>	
Sdv	*****	mm <sup>3</sup>	
Shv	*****	mm <sup>3</sup>	
Svd	5.842	1/mm <sup>2</sup>	
Svc	-1.136	1/mm	
Warnings			
The workflow already contains a 'Metrological filter' operator.			
Sha, Shv: No interior hills were found.			
Sda, Sdv: No interior dales were found.			
Str: The autocorrelation lobe touches the edges. Try to level...			

ISO 25178 - Roughness (S-L)			
<i>F: [Workflow] Leveled (LS-plane)</i>			
<i>S-filter (λs): Gaussian, 0.8000 μm</i>			
<i>L-filter (λc): Gaussian, 0.2500 mm</i>			
Feature parameters			
S5v	16.23	μm	
Sda	0.0002971	mm <sup>2</sup>	
Sha	0.0004782	mm <sup>2</sup>	
Sdv	6.485e-08	mm <sup>3</sup>	
Shv	1.098e-07	mm <sup>3</sup>	
Svd	2814	1/mm <sup>2</sup>	
Svc	-14267	1/mm	
Functional parameters (Stratified surfaces)			
Sk	9.249	μm	
Spk	5.024	μm	
Svk	2.647	μm	
Smr1	12.49	%	
Smr2	91.41	%	
Spq	*****		
Svq	*****		
Smq	*****		
Warnings			
The workflow already contains a 'Metrological filter' operator.			
Spq, Svq, Smq: There should be two components (coarse va...			





		Context	Mean	Std dev	Min	Max
<b>ISO 4287 - Roughness (S-L)</b>						
<i>F: None</i>						
<i>S-filter (<math>\lambda_s</math>): Gaussian, 2.500 <math>\mu\text{m}</math></i>						
<i>L-filter (<math>\lambda_c</math>): Gaussian, 0.8000 mm</i>						
<i>Evaluation length: All <math>\lambda_c</math> (5)</i>						
<b>Amplitude parameters</b>						
Rp	$\mu\text{m}$		15.55	1.211	13.48	18.33
Rv	$\mu\text{m}$		13.51	0.5705	12.37	15.02
Rz	$\mu\text{m}$		29.06	1.286	26.75	32.49
Rc	$\mu\text{m}$	<i>No averaging (single value)</i>	13.60	1.112	11.60	16.54
Rt	$\mu\text{m}$		36.36	2.619	30.80	43.01
Ra	$\mu\text{m}$		5.576	0.2631	5.148	6.161
Rq	$\mu\text{m}$		6.692	0.2894	6.158	7.172
Rsk			0.1203	0.1433	-0.1817	0.4229
Rku			2.385	0.1708	2.067	2.883
Rp1max	$\mu\text{m}$		18.75	2.172	14.89	23.92
Rv1max	$\mu\text{m}$		17.61	1.658	14.96	21.15
Rz1max	$\mu\text{m}$		34.42	3.081	28.72	43.01
Rz(n)	$\mu\text{m}$	<i><math>\lambda_c</math> index = 1</i>	24.27	3.382	17.54	31.01
<b>Spacing parameters</b>						
RSm	mm	<i>No averaging (single value)</i>	0.1238	0.01868	0.09106	0.1907
Rdq	°		38.03	3.298	21.22	45.91
<b>Material ratio parameters</b>						
Rmr	%	<i>c = 1.000 <math>\mu\text{m}</math> below highest peak</i>	0.2050	0.1106	0.03348	0.5825
Rdc	$\mu\text{m}$	<i>p = 20.00%, q = 80.00%</i>	12.28	0.7982	10.71	14.17
Rmr (Rz/4)	%	<i>c = Rz/4 <math>\mu\text{m}</math> above mean plane</i>	15.56	2.089	12.16	20.13
Rmr (Rz/4) #1	%	<i>c = Rz/4 <math>\mu\text{m}</math> above mean plane</i>	15.56	2.089	12.16	20.13



Context		Mean	Std dev	Min	Max	
<b>ISO 4287 - Waviness (S-F)</b>						
<i>F: None</i>						
<i>S-filter (λc): Gaussian, 0.8000 mm</i>						
<i>Evaluation length: Total profile length (no averaging)</i>						
<b>Amplitude parameters</b>						
Wp	μm	14.69	1.938	10.07	17.92	
Wv	μm	16.71	2.499	13.86	24.96	
Wz	μm	31.40	3.655	25.54	41.26	
Wc	μm	28.00	4.282	18.73	33.72	
Wt	μm	31.40	3.655	25.54	41.26	
Wa	μm	7.583	0.5453	6.570	8.560	
Wq	μm	8.837	0.6008	7.560	9.985	
Wsk		-0.03737	0.2344	-0.5312	0.2608	
Wku		1.969	0.3021	1.476	2.791	
<b>Spacing parameters</b>						
WSm	mm	2.487	0.7719	1.569	3.260	
Wdq	°	1.663	0.09442	1.384	1.812	
<b>Material ratio parameters</b>						
Wmr	%	<i>c = 1.000 μm below highest peak</i>	5.322	1.800	3.268	10.12
Wdc	μm	<i>p = 20.00%, q = 80.00%</i>	17.50	1.678	13.80	20.40
Wmr (Wz/4)	%		25.04	4.970	18.41	34.64
<b>Information</b>						
Wc, WSm: The result could not be calculated on all elements of the series.						



Context			Mean	Std dev	Min	Max
<b>ISO 4287 - Primary</b>						
<i>F: None</i>						
<i>S-filter (λs): Gaussian, 2.500 μm</i>						
<b>Amplitude parameters</b>						
Pp	μm		26.74	2.147	21.31	30.43
Pv	μm		29.38	2.346	24.92	34.56
Pz	μm		56.12	3.427	47.83	62.29
Pc	μm	<i>No averaging (single value)</i>	20.32	2.789	14.97	27.75
Pt	μm		56.12	3.427	47.83	62.29
Pa	μm		10.24	0.5359	8.859	11.07
Pq	μm		12.33	0.5605	10.77	13.07
Psk			-0.05712	0.1472	-0.3922	0.1455
Pku			2.282	0.1466	2.014	2.571
<b>Spacing parameters</b>						
PSm	mm	<i>No averaging (single value)</i>	0.2753	0.05995	0.1752	0.4922
Pdq	°		38.18	3.265	21.68	46.06
<b>Material ratio parameters</b>						
Pmr	%	<i>c = 1.000 μm below highest peak</i>	0.4454	0.3515	0.03168	1.551
Pdc	μm	<i>p = 20.00%, q = 80.00%</i>	23.07	1.191	20.40	25.38

