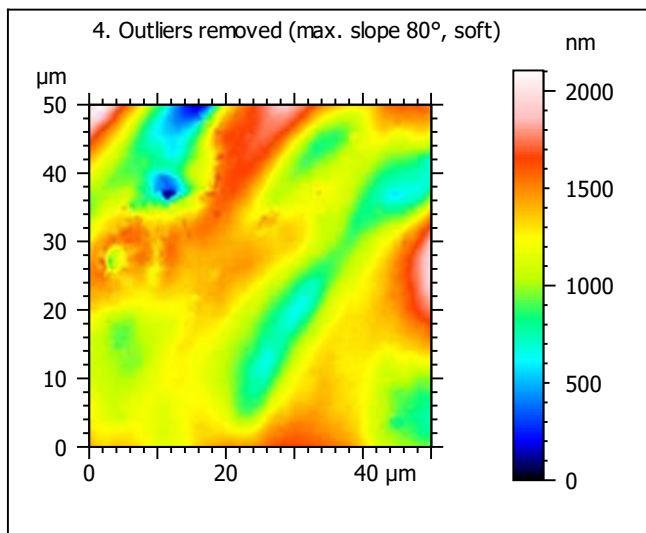
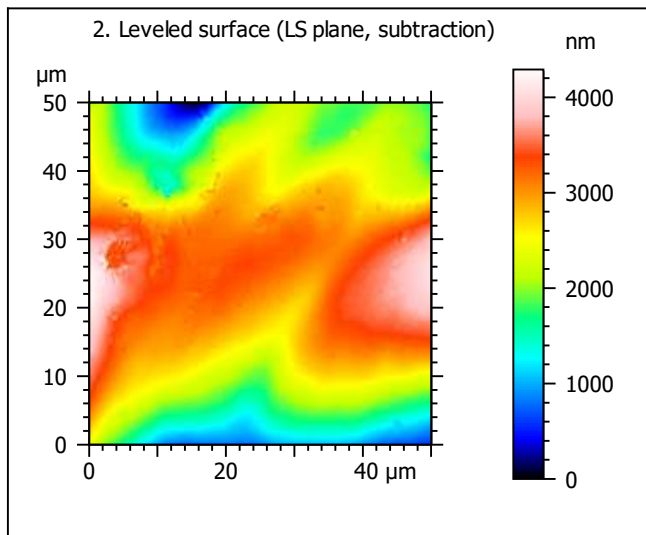
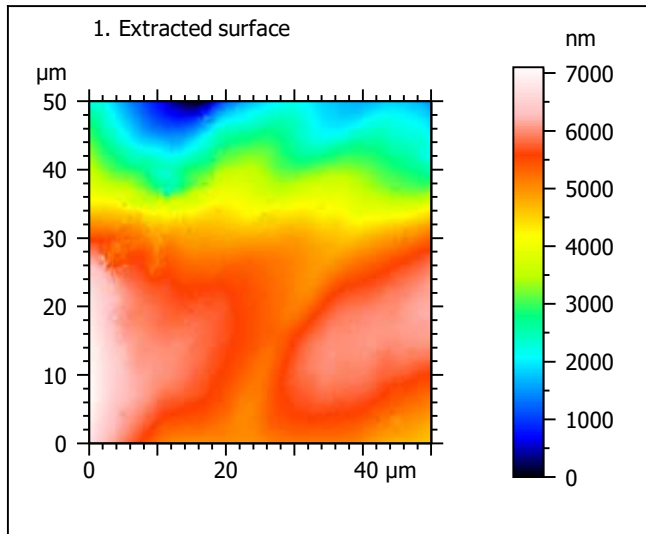
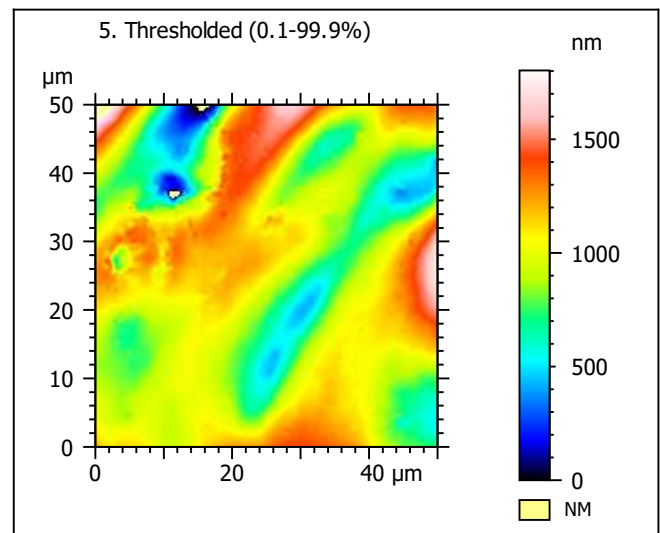
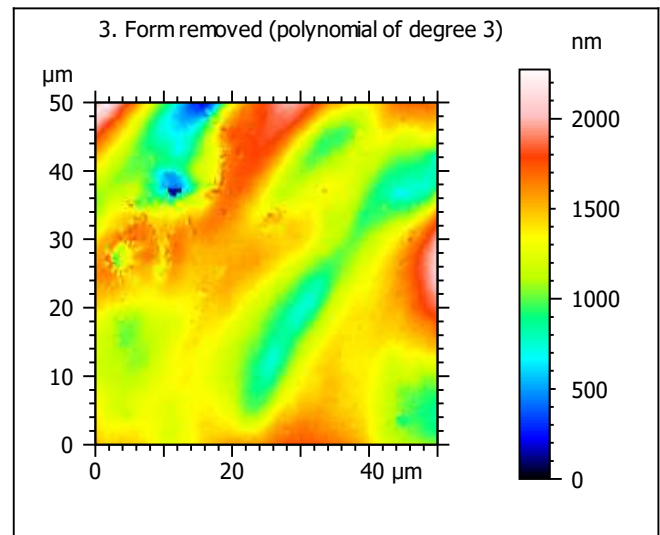


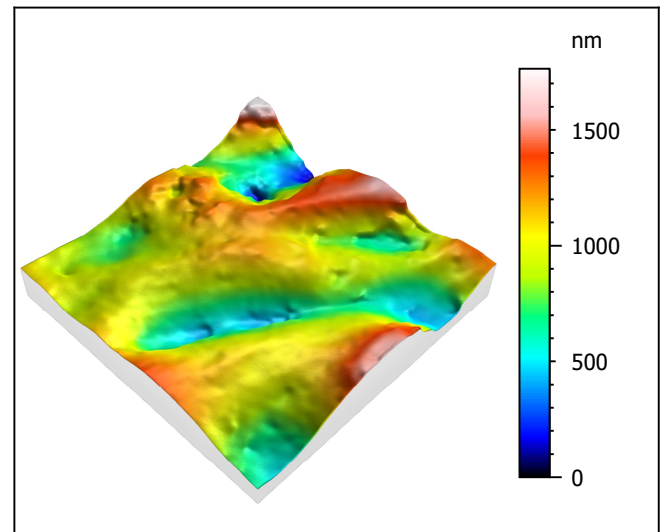
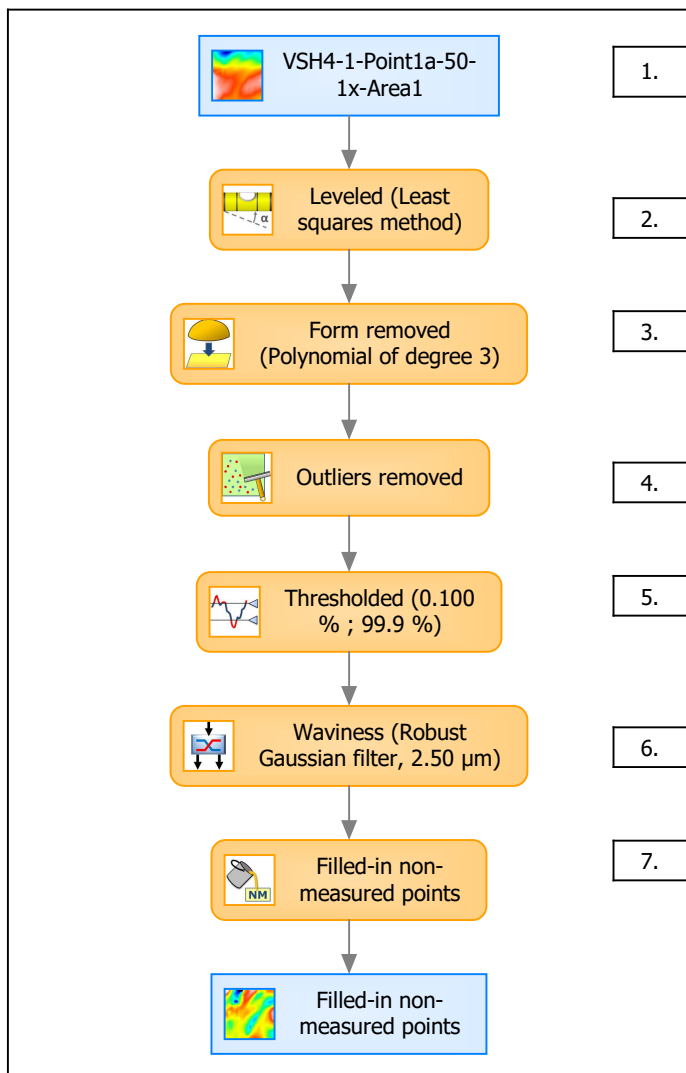
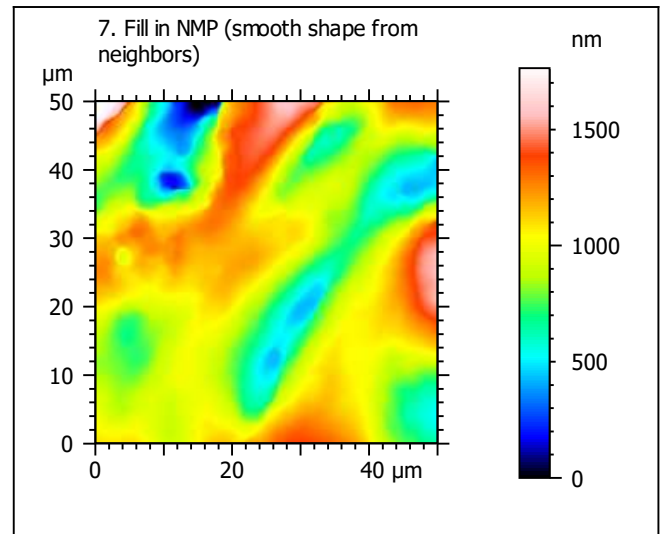
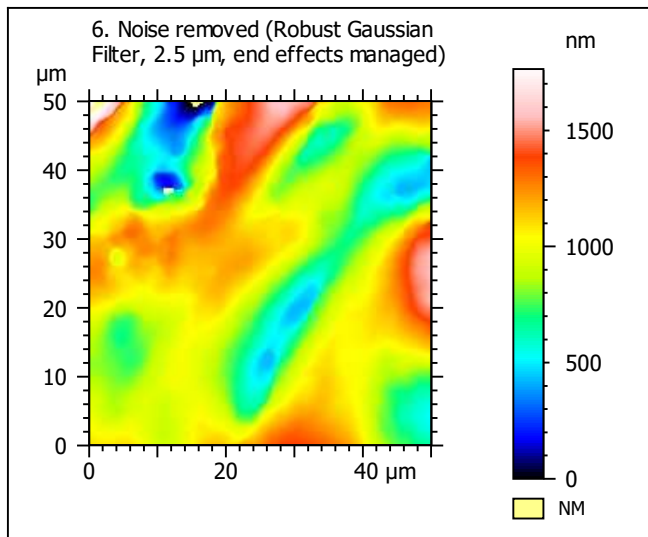
Template to process all extracted 50x50  $\mu\text{m}$  surfaces, acquired with the LEXT 4000 with the 50x/0.95 objective at 1x zoom

## A. Processing



Identity card			
Name:	VSH4-1-Point1a-50-1x-Area1		
File path:	D:\Data\Ant...\VSH4-1-Point1a-50-1x-Area1.sur		
Axis:	X		
Length:	50.0	μm	
Size:	201	points	
Spacing:	0.250	μm	
Axis:	Y		
Length:	50.0	μm	
Size:	201	points	
Spacing:	0.250	μm	
Axis:	Z		
Length:	7102	nm	
Size:	6462	digits	
Spacing:	1.10	nm	
NMP ratio:	0.00 % (0 Pts)		





Identity card			
Name:	VSH4-1-Point1a-50-1x-Area1 > Levelled (Leas...		
<b>Axis:</b>	<b>X</b>		
Length:	50.0	$\mu\text{m}$	
Size:	201	points	
Spacing:	0.250	$\mu\text{m}$	
<b>Axis:</b>	<b>Y</b>		
Length:	50.0	$\mu\text{m}$	
Size:	201	points	
Spacing:	0.250	$\mu\text{m}$	
<b>Axis:</b>	<b>Z</b>		
Length:	1764	nm	
Size:	1605	digits	
Spacing:	1.10	nm	
NMP ratio:	0.00 % (0 Pts)		

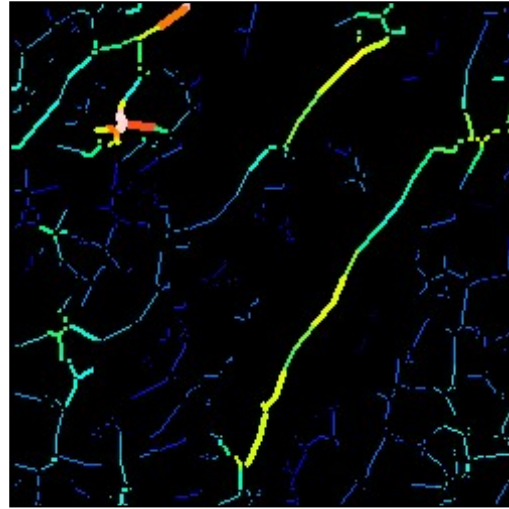
**Analyses:**  
**8. ISO 25178**  
**9. Furrow**  
**10. Texture isotropy and direction**  
**11. SSFA**

## B. Analyses

### 8. ISO 25178-2 parameters on surface #7

ISO 25178		
Height Parameters		
Sq	261	nm
Ssk	-0.21	
Sku	3.33	
Sp	813	nm
Sv	951	nm
Sz	1764	nm
Sa	205	nm
Functional Parameters		
Smr	77.5	%
Smc	310	nm
Sxp	532	nm
Spatial Parameters		
Sal	5.22	μm
Str	0.267	
Std	59.7	°
Hybrid Parameters		
Sdq	0.0985	
Sdr	0.462	%
Functional Parameters (Volume)		
Vm	0.0134	μm <sup>3</sup> /μm <sup>2</sup>
Vv	0.324	μm <sup>3</sup> /μm <sup>2</sup>
Vmp	0.0134	μm <sup>3</sup> /μm <sup>2</sup>
Vmc	0.231	μm <sup>3</sup> /μm <sup>2</sup>
Vvc	0.290	μm <sup>3</sup> /μm <sup>2</sup>
Vvv	0.0335	μm <sup>3</sup> /μm <sup>2</sup>

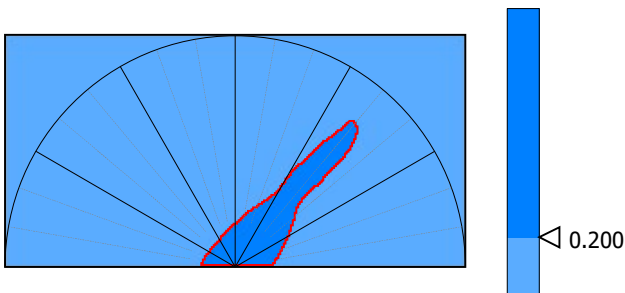
### 9. Furrow analysis surface #7



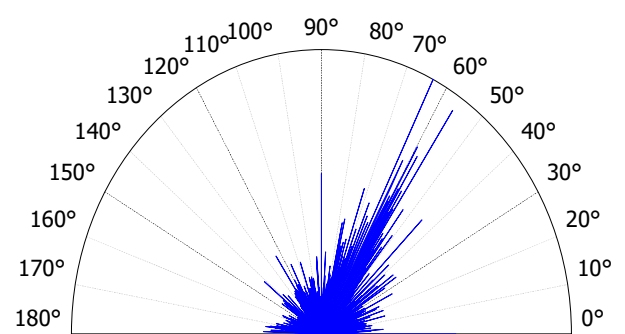
All furrows are shown.

Parameters	Value	Unit
Maximum depth of furrows	598	nm
Mean depth of furrows	142	nm
Mean density of furrows	1888	cm/cm2

### 10. Texture isotropy and direction on surface #7



Parameters	Value	Unit
Isotropy	15.8	%
Periodicity	*****	%
Period	*****	μm
Direction of period	*****	°



Parameters	Value	Unit
Isotropy	26.7	%
First Direction	63.5	°
Second Direction	56.3	°
Third Direction	45.0	°

