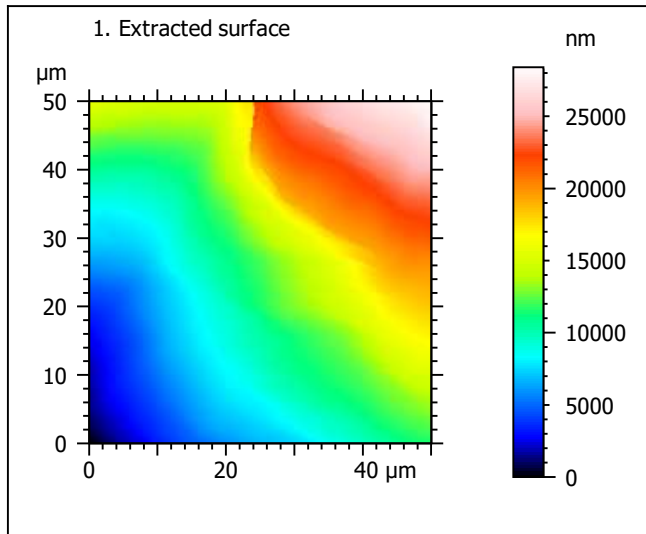
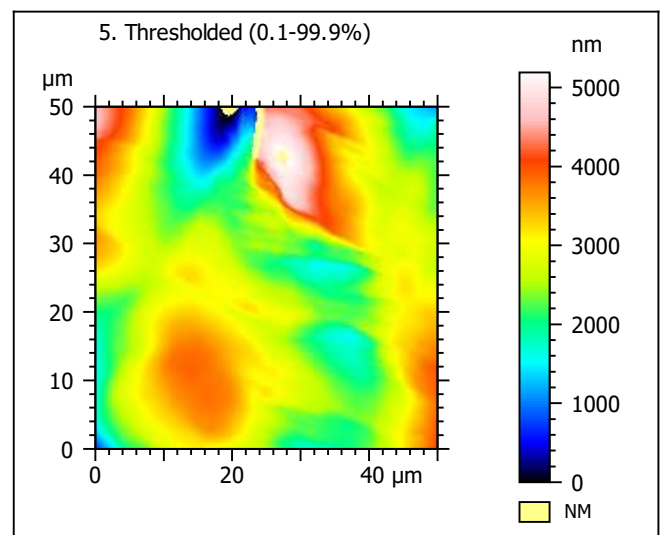
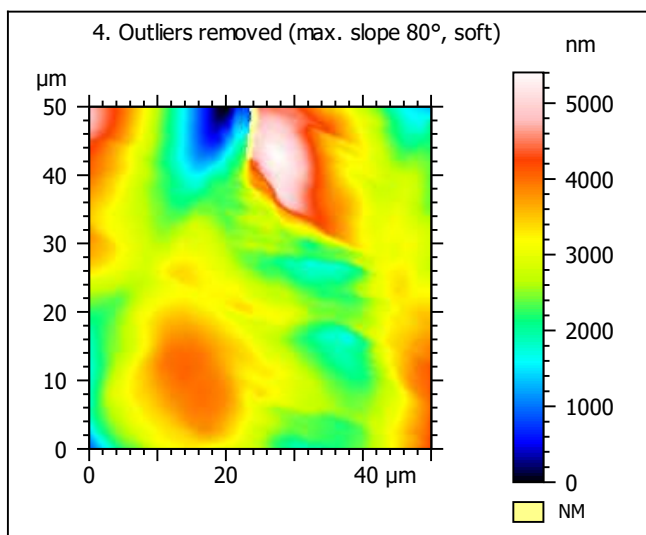
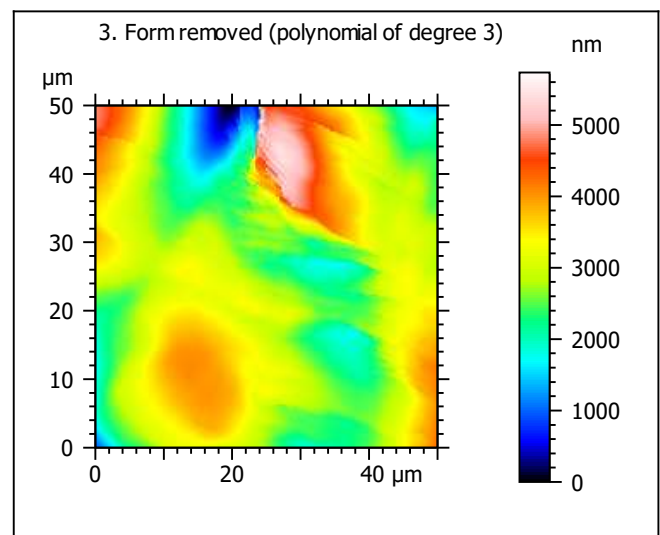
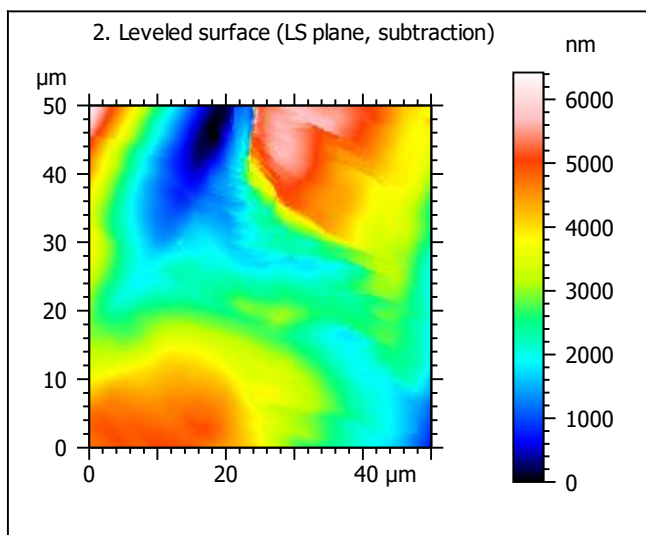


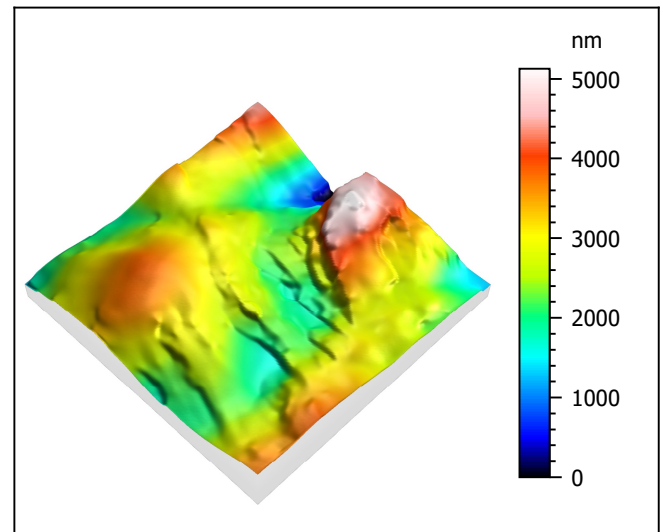
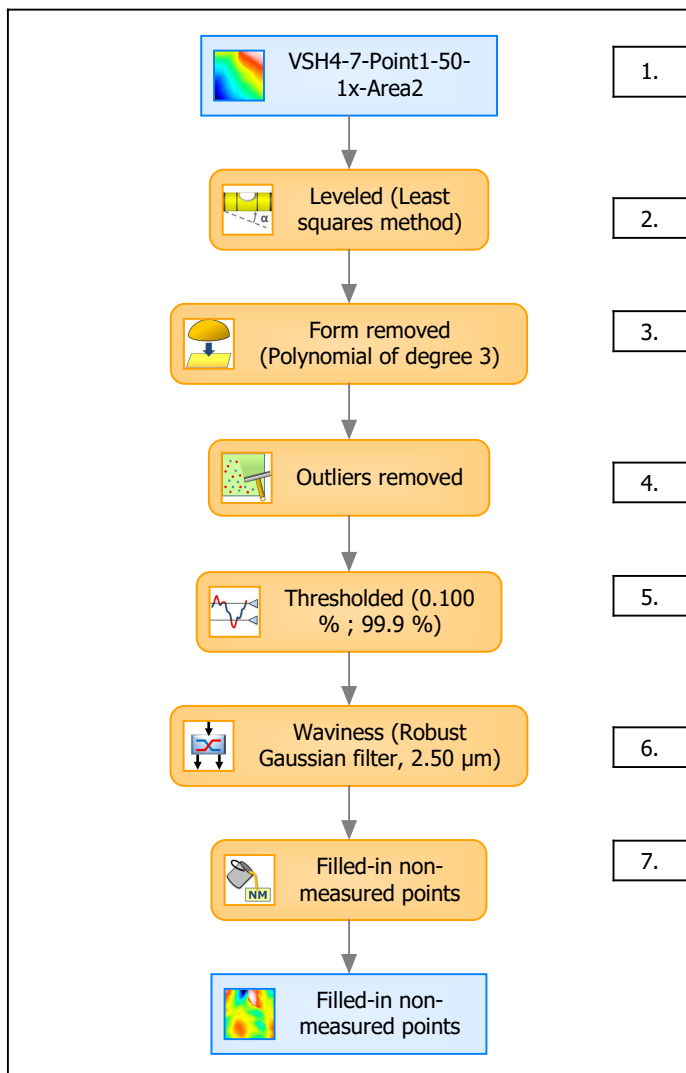
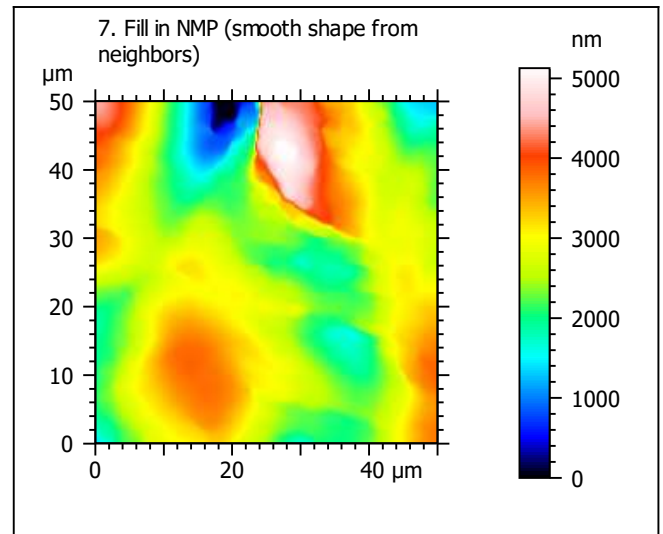
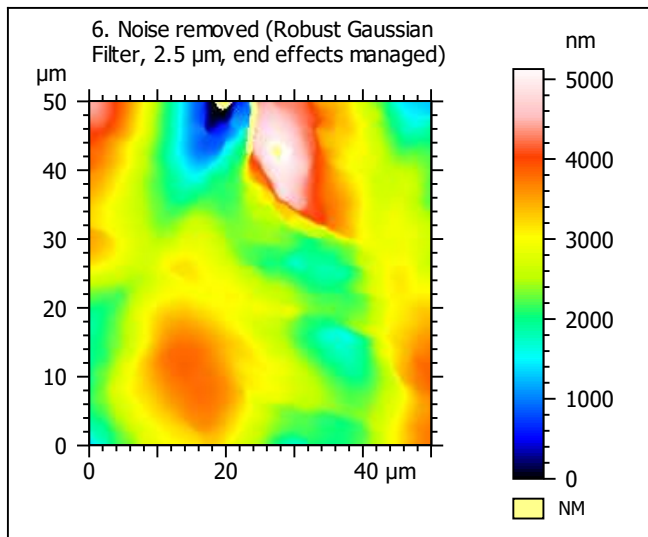
Template to process all extracted 50x50  $\mu\text{m}$  surfaces, acquired with the LEXT 4000 with the 50x/0.95 objective at 1x zoom

## A. Processing



Identity card			
Name:	VSH4-7-Point1-50-1x-Area2		
File path:	D:\Data\Anto...\VSH4-7-Point1-50-1x-Area2.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:	28400	nm	
Size:	17777	digits	
Spacing:	1.60	nm	
NMP ratio:	0.00 % (0 Pts)		





Identity card			
Name:	VSH4-7-Point1-50-1x-Area2 > Levelled (Least...		
<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:	5127	nm	
Size:	3209	digits	
Spacing:	1.60	nm	
NMP ratio:	0.00 % (0 Pts)		

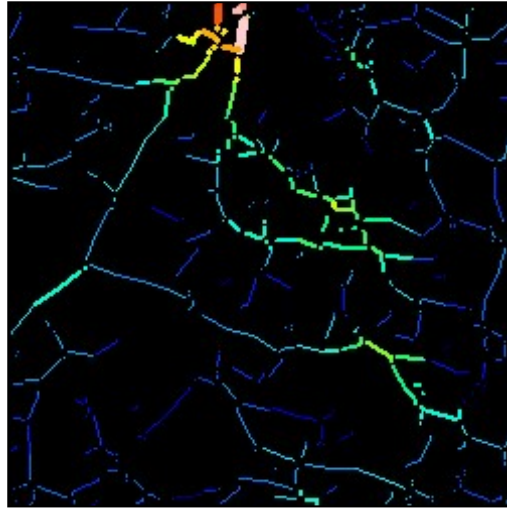
**Analyses:**  
**8. ISO 25178**  
**9. Furrow**  
**10. Texture isotropy and direction**  
**11. SSFA**

## B. Analyses

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

ISO 25178		
Height Parameters		
Sq	767	nm
Ssk	0.121	
Sku	4.02	
Sp	2340	nm
Sv	2786	nm
Sz	5127	nm
Sa	585	nm
Functional Parameters		
Smr	5.10	%
Smc	932	nm
Sxp	1549	nm
Spatial Parameters		
Sal	5.96	$\mu\text{m}$
Str	0.673	
Std	148	$^{\circ}$
Hybrid Parameters		
Sdq	0.305	
Sdr	2.88	%
Functional Parameters (Volume)		
Vm	0.0508	$\mu\text{m}^3/\mu\text{m}^2$
Vv	0.982	$\mu\text{m}^3/\mu\text{m}^2$
Vmp	0.0508	$\mu\text{m}^3/\mu\text{m}^2$
Vmc	0.624	$\mu\text{m}^3/\mu\text{m}^2$
Vvc	0.901	$\mu\text{m}^3/\mu\text{m}^2$
Vvv	0.081	$\mu\text{m}^3/\mu\text{m}^2$

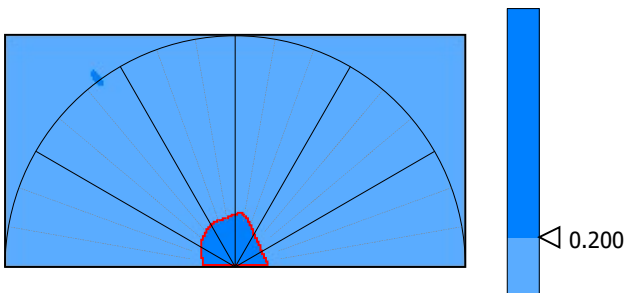
### 9. Furrow analysis surface #7



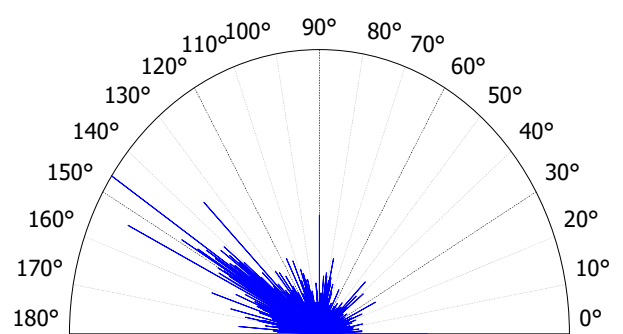
All furrows are shown.

Parameters	Value	Unit
Maximum depth of furrows	1382	nm
Mean depth of furrows	339	nm
Mean density of furrows	2094	cm/cm2

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



Parameters	Value	Unit
Isotropy	54.1	%
Periodicity	20.3	%
Period	25.2	$\mu\text{m}$
Direction of period	127	$^{\circ}$



Parameters	Value	Unit
Isotropy	67.3	%
First Direction	146	$^{\circ}$
Second Direction	154	$^{\circ}$
Third Direction	135	$^{\circ}$

