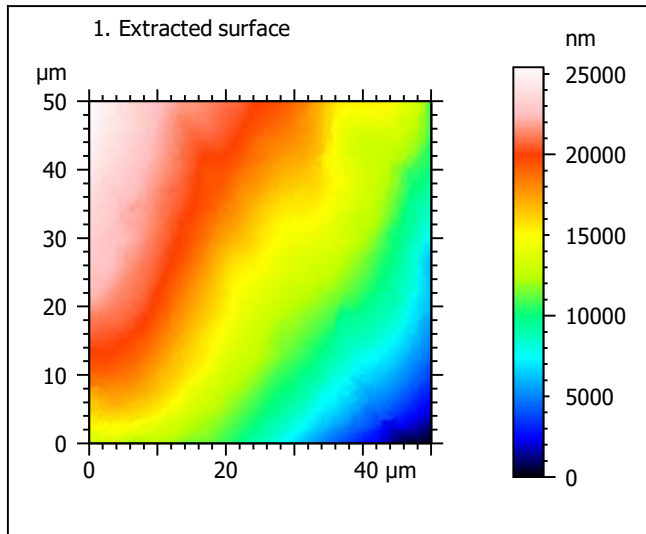
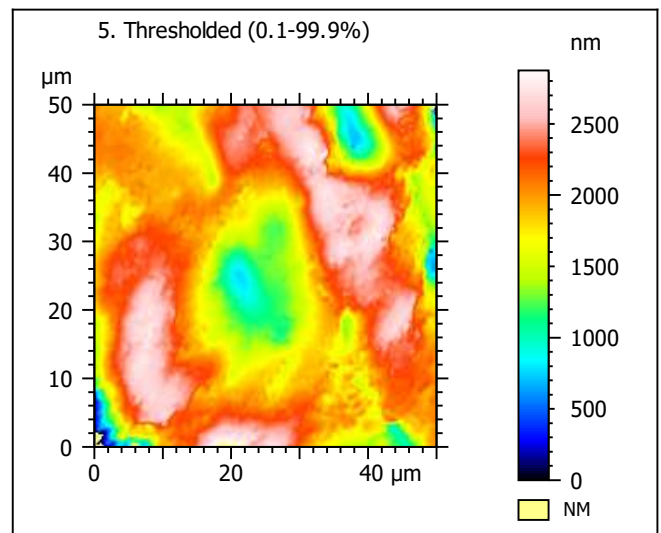
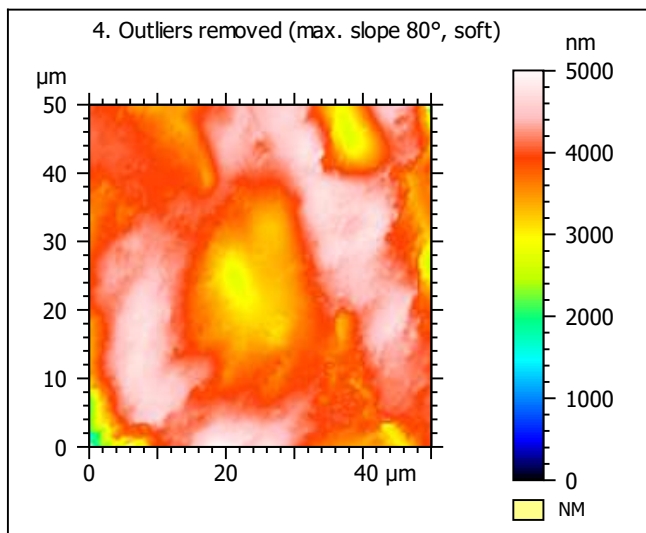
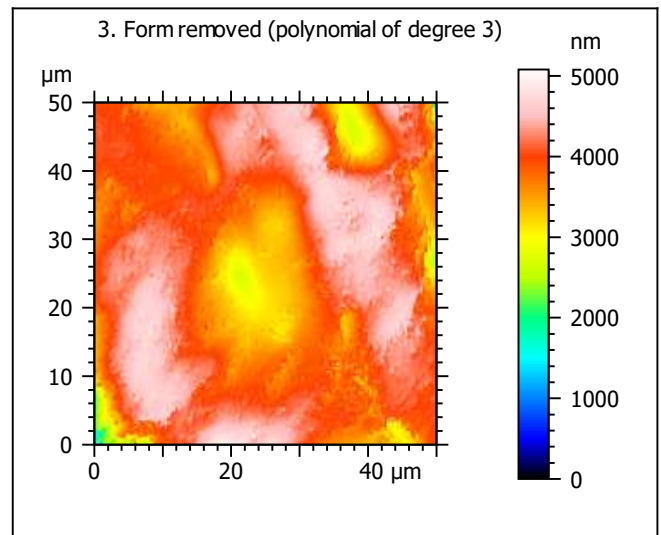
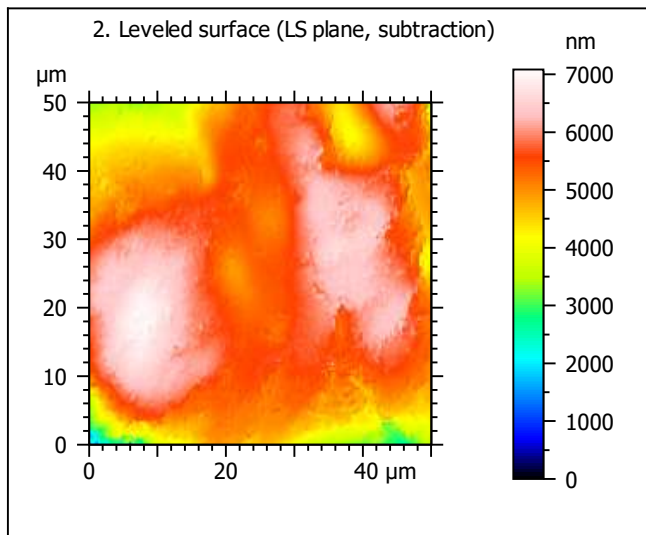


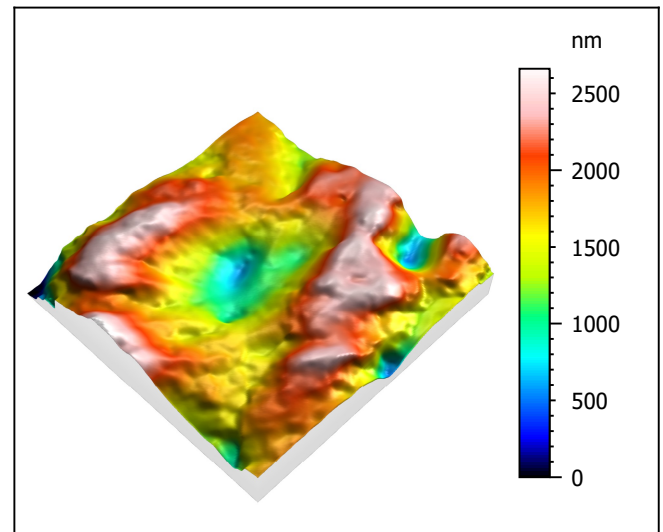
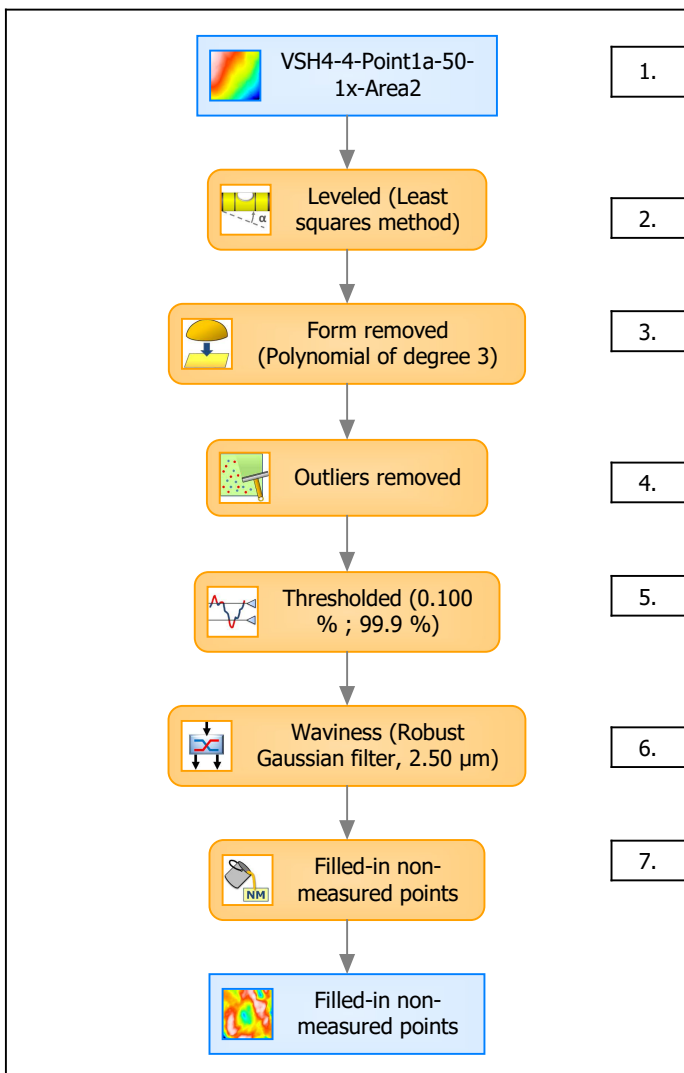
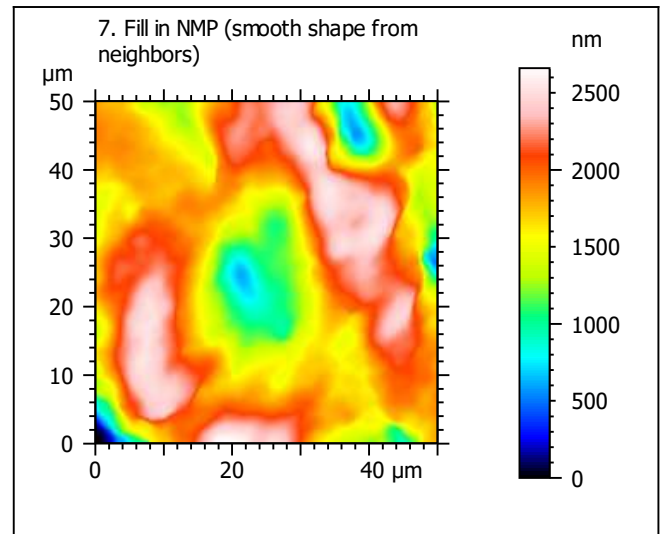
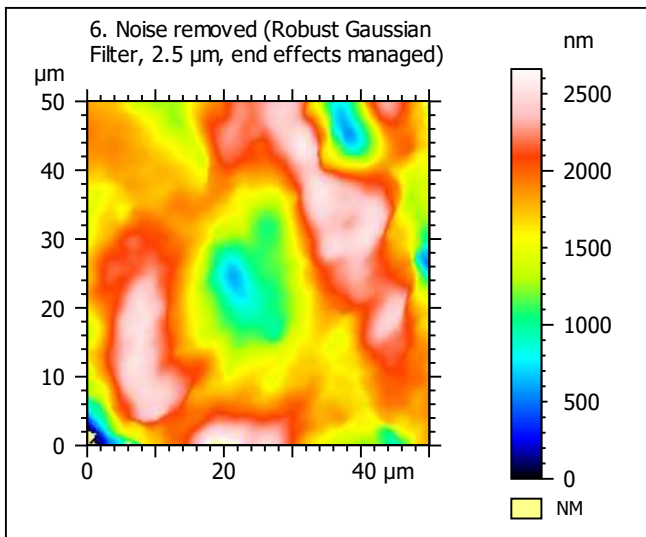
Template to process all extracted 50x50  $\mu\text{m}$  surfaces, acquired with the LEXT 4000 with the 50x/0.95 objective at 1x zoom

## A. Processing



Identity card			
Name:	VSH4-4-Point1a-50-1x-Area2		
File path:	D:\Data\Ant...\VSH4-4-Point1a-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:	25408	nm	
Size:	16770	digits	
Spacing:	1.52	nm	
NMP ratio:	0.00 % (0 Pts)		





Identity card			
Name:	VSH4-4-Point1a-50-1x-Area2 > Levelled (Leas...		
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:	2660	nm	
Size:	1756	digits	
Spacing:	1.52	nm	
NMP ratio:	0.00 % (0 Pts)		

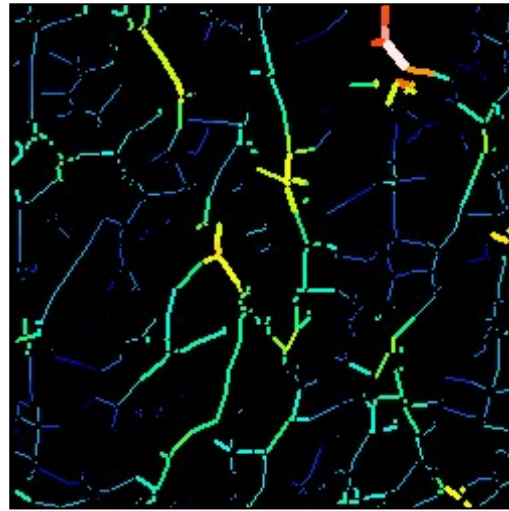
**Analyses:**  
**8. ISO 25178**  
**9. Furrow**  
**10. Texture isotropy and direction**  
**11. SSFA**

## B. Analyses

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

ISO 25178		
Height Parameters		
Sq	431	nm
Ssk	-0.552	
Sku	3.28	
Sp	867	nm
Sv	1794	nm
Sz	2660	nm
Sa	338	nm
Functional Parameters		
Smr	66.0	%
Smc	566	nm
Sxp	981	nm
Spatial Parameters		
Sal	5.63	$\mu\text{m}$
Str	0.469	
Std	51.0	$^{\circ}$
Hybrid Parameters		
Sdq	0.161	
Sdr	1.24	%
Functional Parameters (Volume)		
Vm	0.00881	$\mu\text{m}^3/\mu\text{m}^2$
Vv	0.574	$\mu\text{m}^3/\mu\text{m}^2$
Vmp	0.00881	$\mu\text{m}^3/\mu\text{m}^2$
Vmc	0.381	$\mu\text{m}^3/\mu\text{m}^2$
Vvc	0.510	$\mu\text{m}^3/\mu\text{m}^2$
Vvv	0.0646	$\mu\text{m}^3/\mu\text{m}^2$

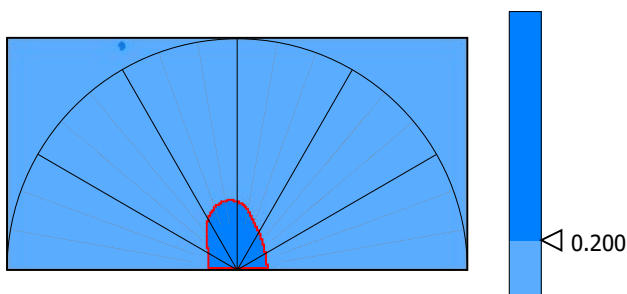
### 9. Furrow analysis surface #7



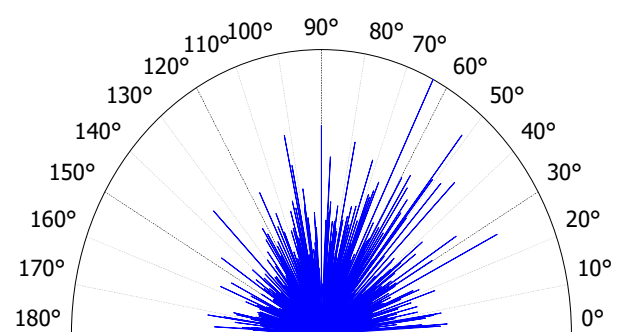
All furrows are shown.

Parameters	Value	Unit
Maximum depth of furrows	1023	nm
Mean depth of furrows	288	nm
Mean density of furrows	2257	cm/cm2

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



Parameters	Value	Unit
Isotropy	40.8	%
Periodicity	20.2	%
Period	27.2	$\mu\text{m}$
Direction of period	117	$^{\circ}$



Parameters	Value	Unit
Isotropy	46.9	%
First Direction	63.5	$^{\circ}$
Second Direction	51.2	$^{\circ}$
Third Direction	26.5	$^{\circ}$

