
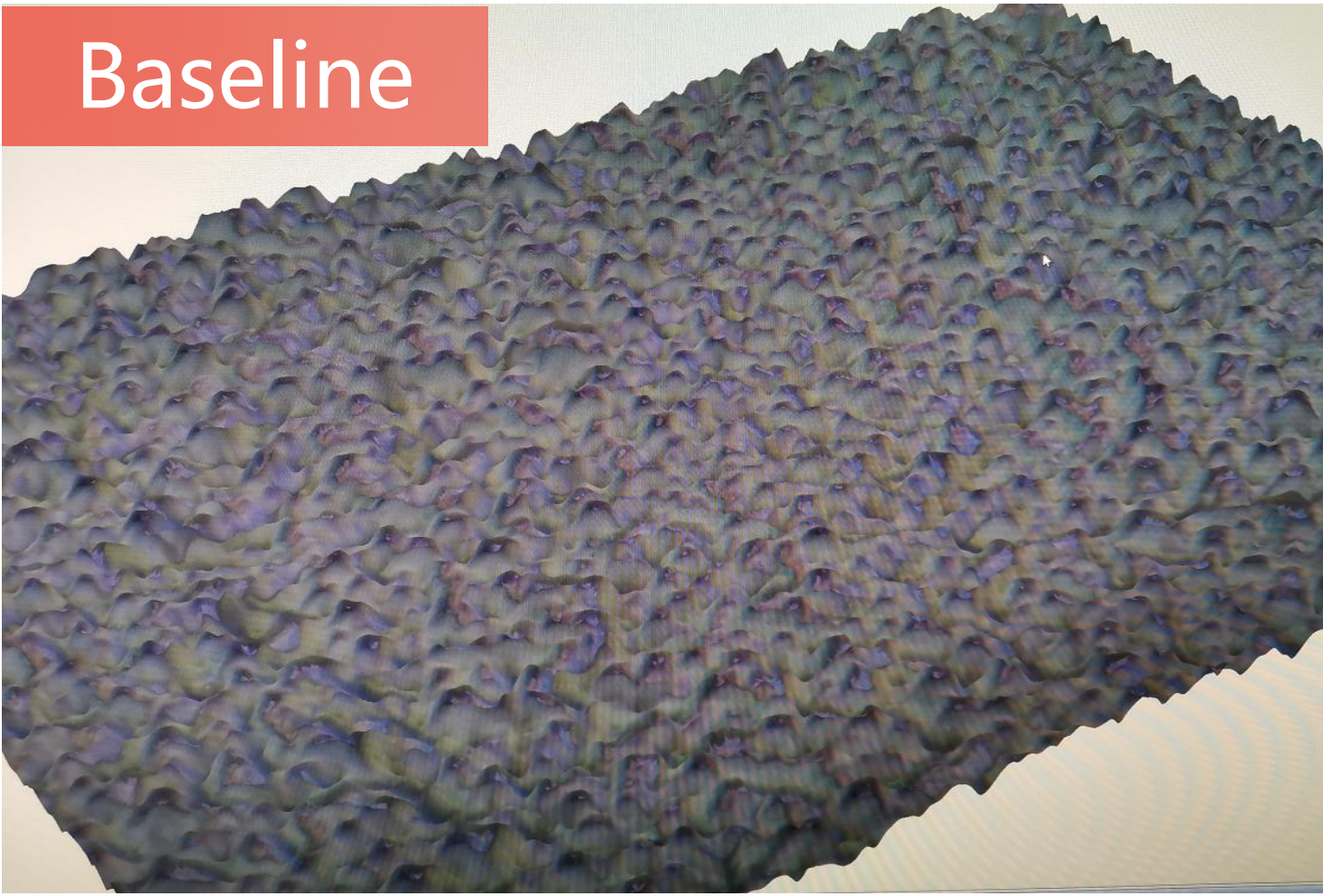


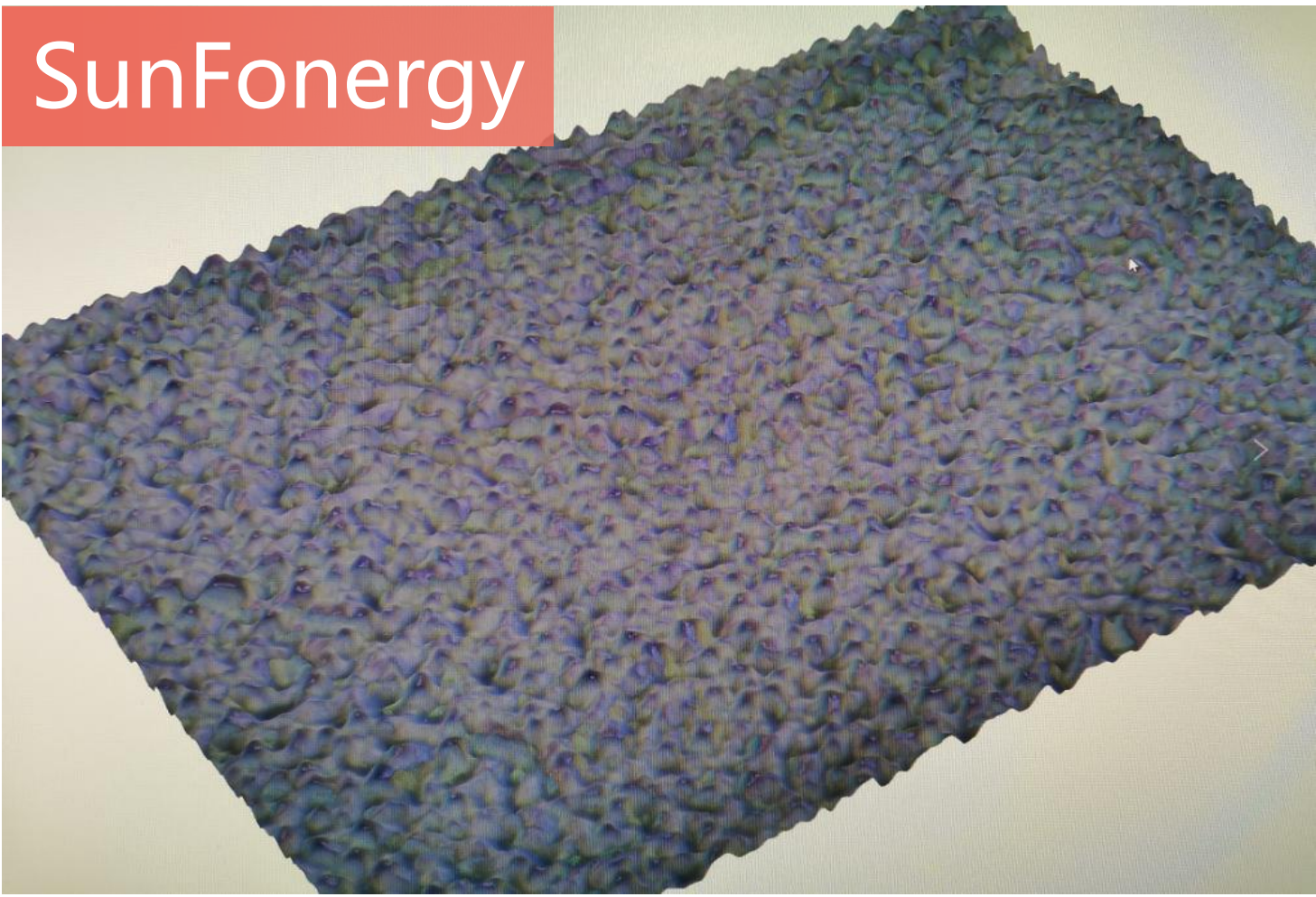


# Acidic Polishing Additive ABP-100

Using SunFonergy additive,  
the morphology becomes  more uniform.




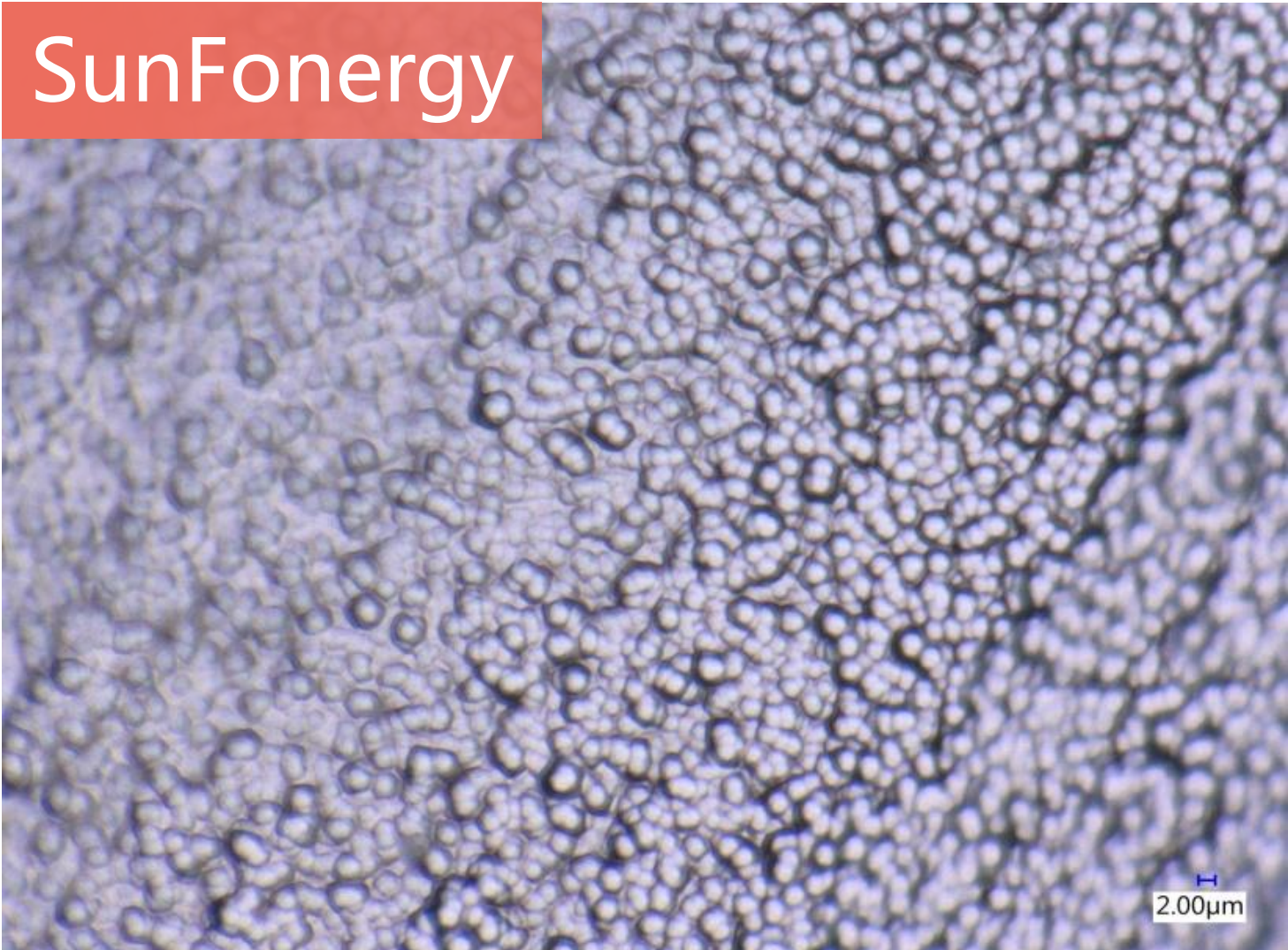
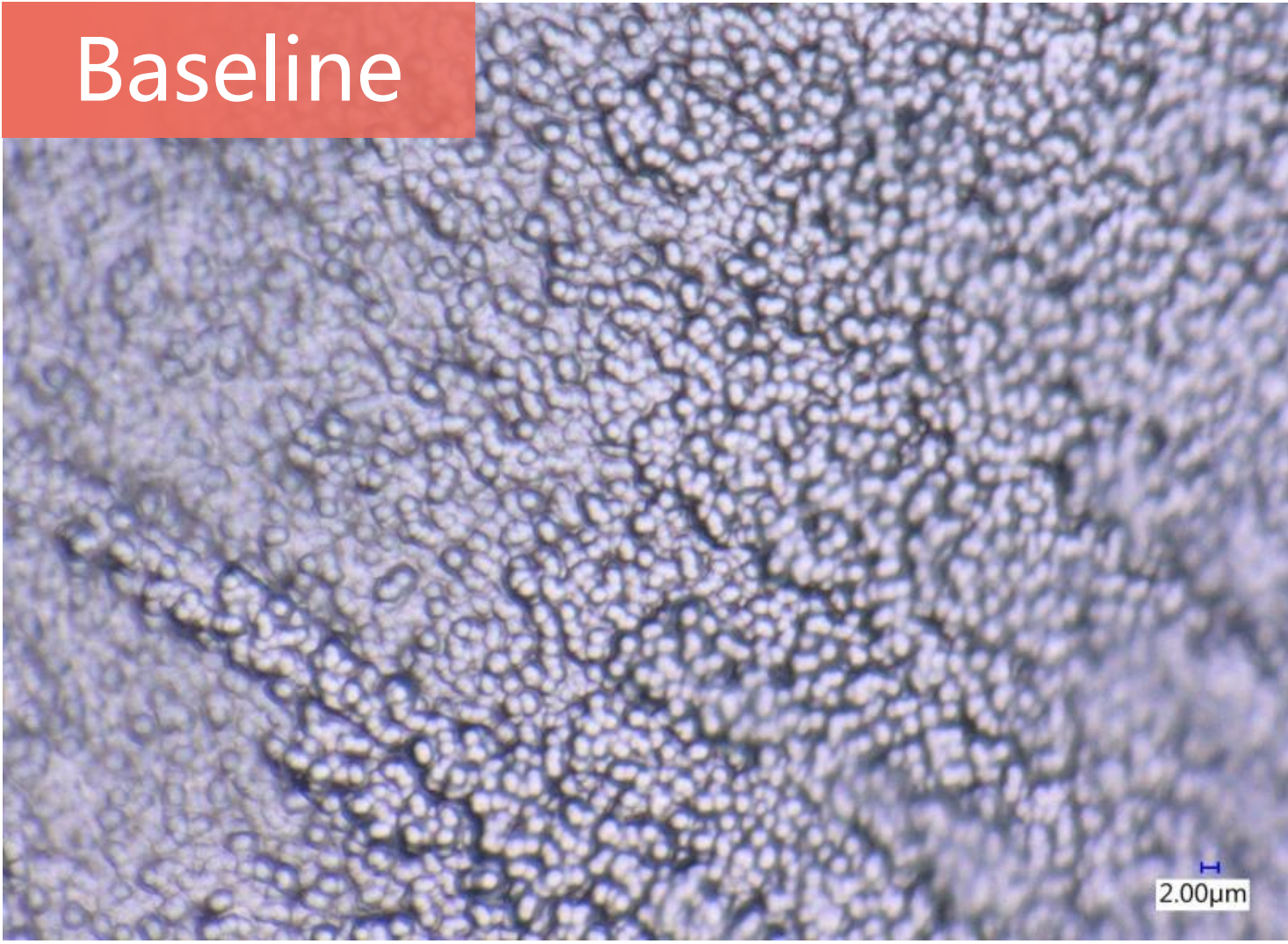
Size		Height		Count		Surface Area	
Mean	StdDev	Mean	StdDev	FOV	/mm <sup>2</sup>	FOV	Ratio
2.063	0.4589	1.708	0.4112	937.0	139249.9	9818.8	1.459



Size		Height		Count		Surface Area	
Mean	StdDev	Mean	StdDev	FOV	/mm <sup>2</sup>	FOV	Ratio
1.994	0.4144	1.444	0.3315	1021	151733.4	9854.8	1.465

**Baseline:**  
Etch weight 0.32g  
Reflectance 31%

**SunFonergy:**   
Etch weight 0.35g  
Reflectance 34%  
The morphology is larger and more uniform.



**Increase Efficiency:**   
+0.05% eff compared to baseline

Item	Qty.	Eta	Voc	Isc	FF	Rser
Baseline	13165	0	0	0	0	0
SunFonergy	14599	0.053	0.0018	-0.02	0.155	0



Higher efficiency;  
SunFonergy's acidic polishing additive results in ~0.05% higher cell efficiency compared to baseline.



Lower HF and HNO<sub>3</sub> consumption; lower unit cost;  
Our additive reduces HNO<sub>3</sub> usage by ~30%, HF by ~15%. SunFonergy's additive replenishing is ~0.6L/10 thousand pcs.



No residue crystallization;  
There are no residual compounds formed in bath throughout production.



Environmentally friendly;  
Very low COD and no ammonia nitrogen emission.