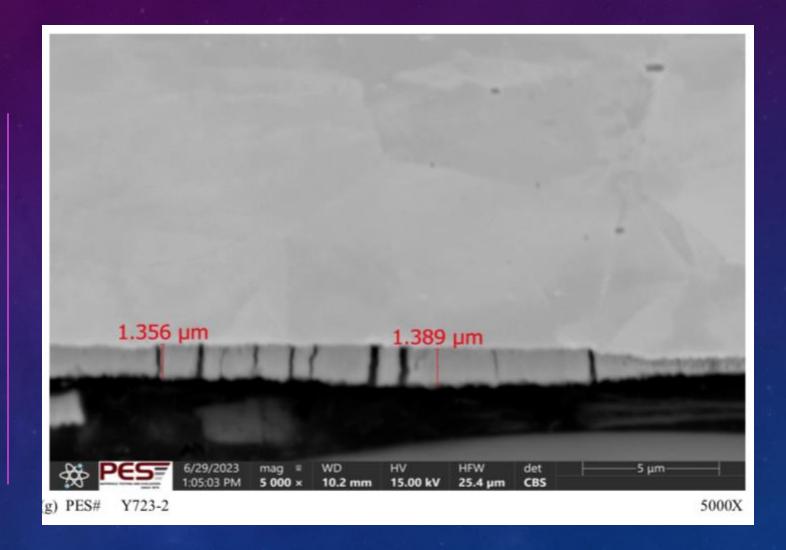
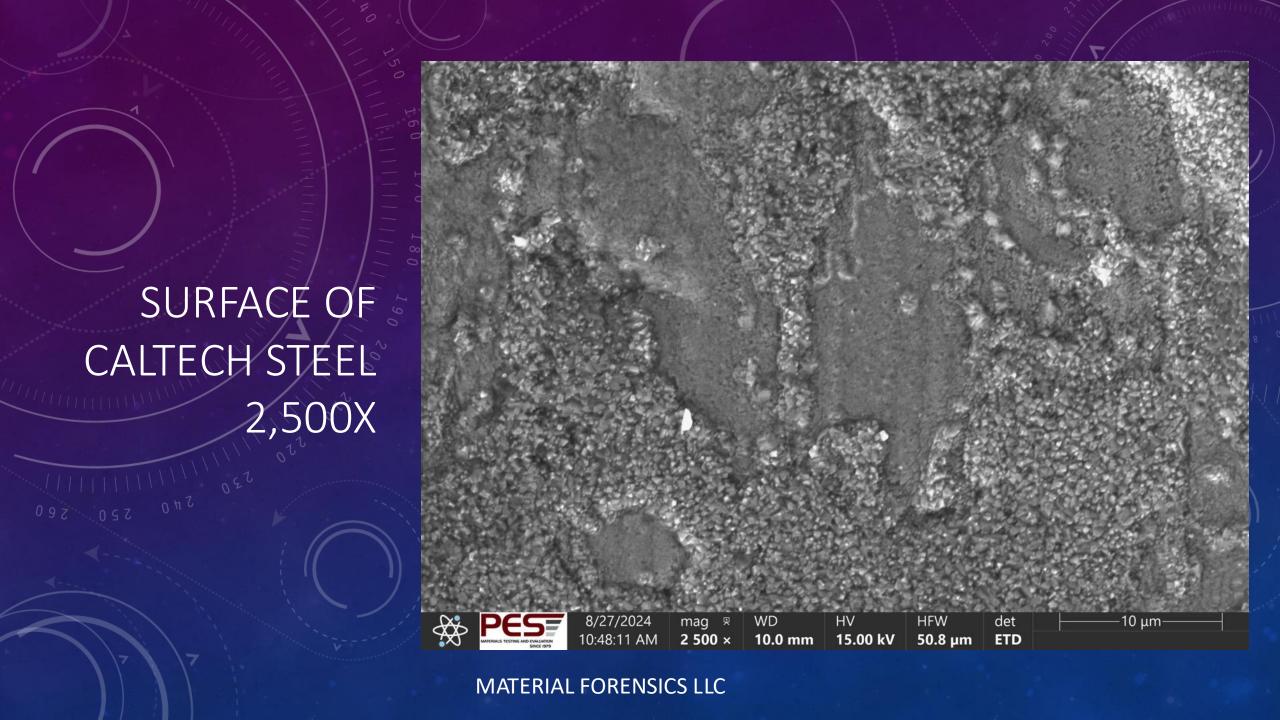


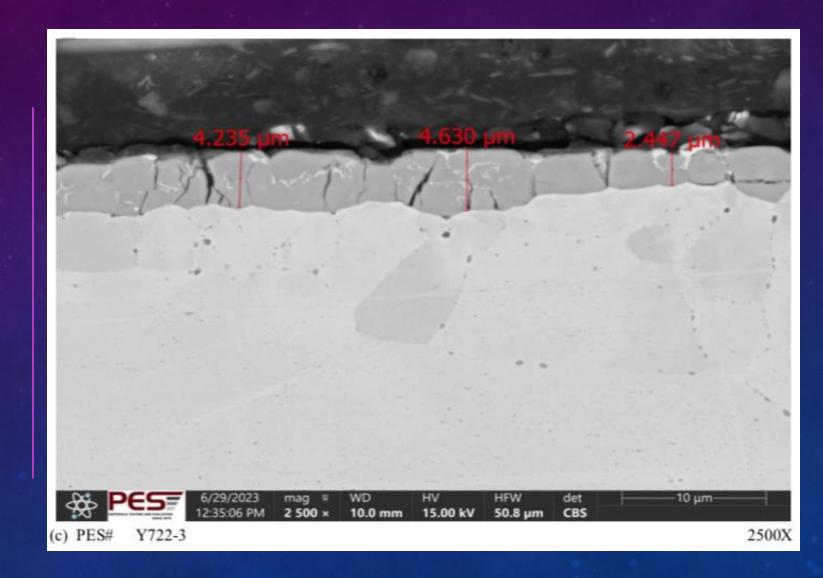
Magnetite
Thickness
Caltech Steel





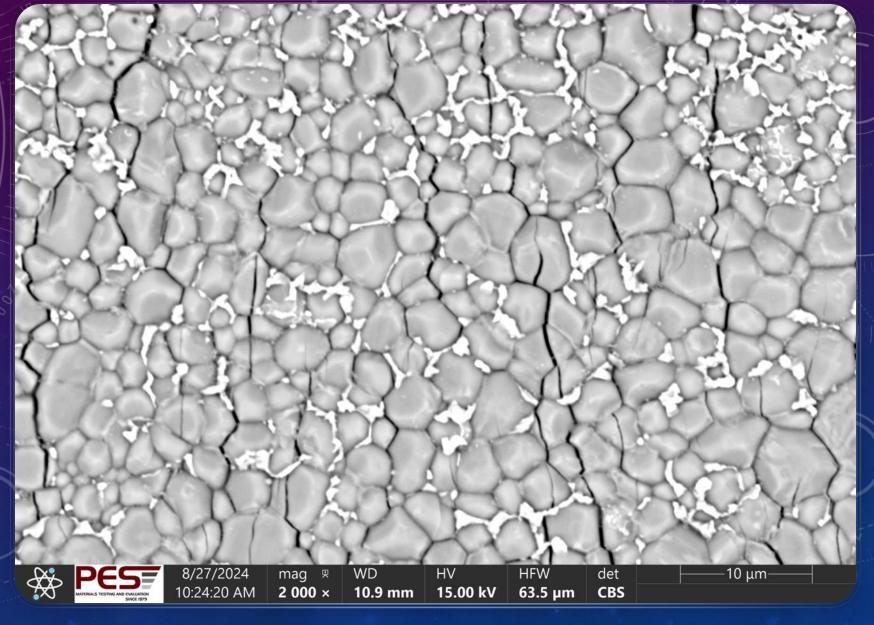


Magnetite
Thickness
CERN Steel

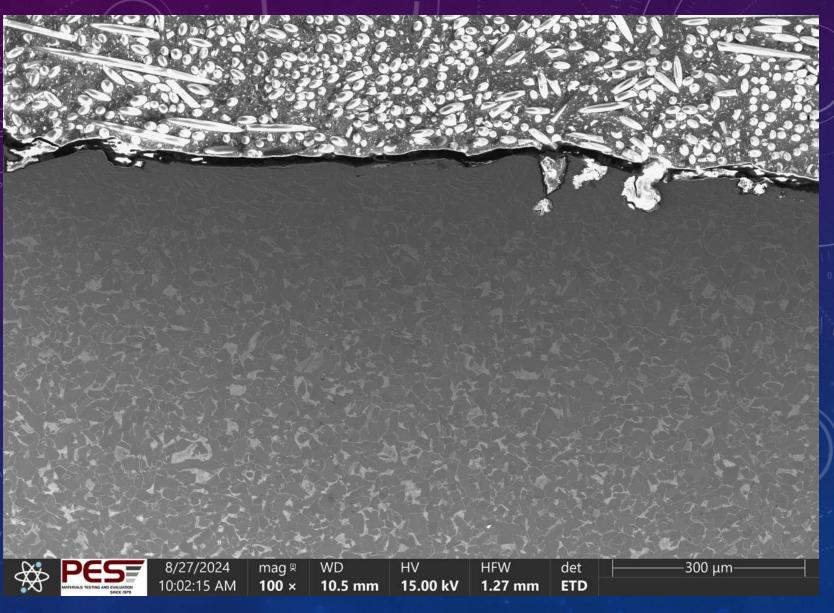


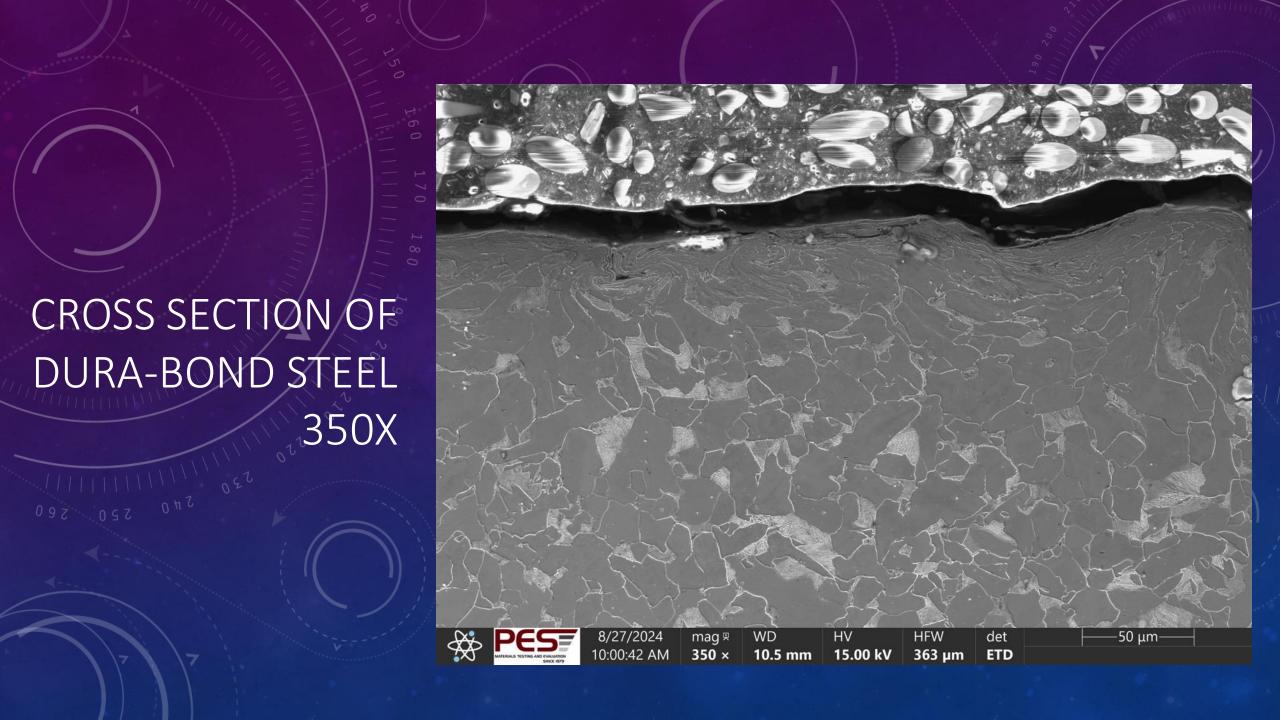




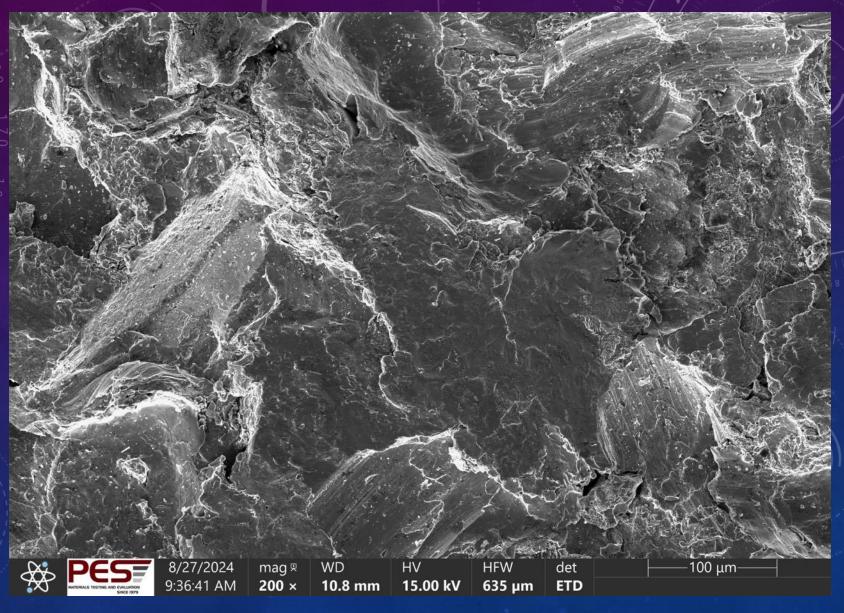




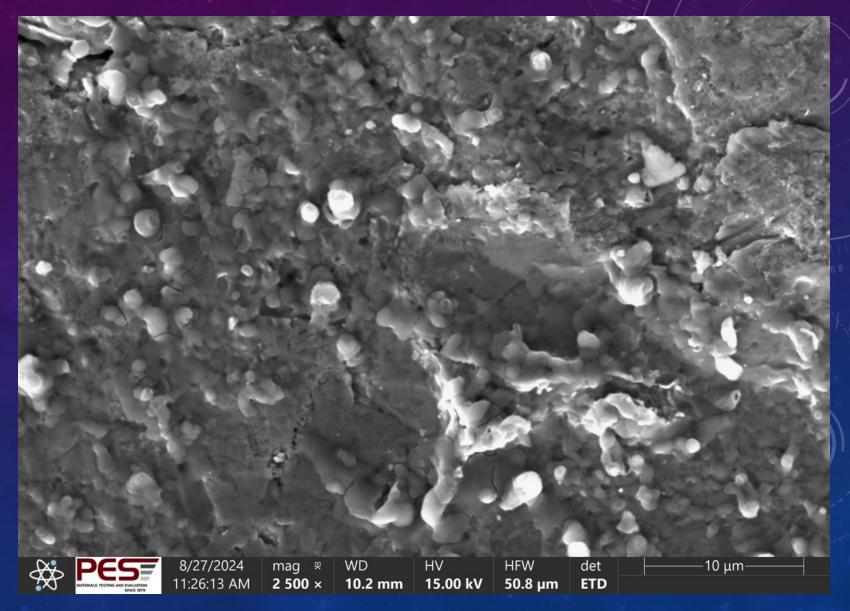




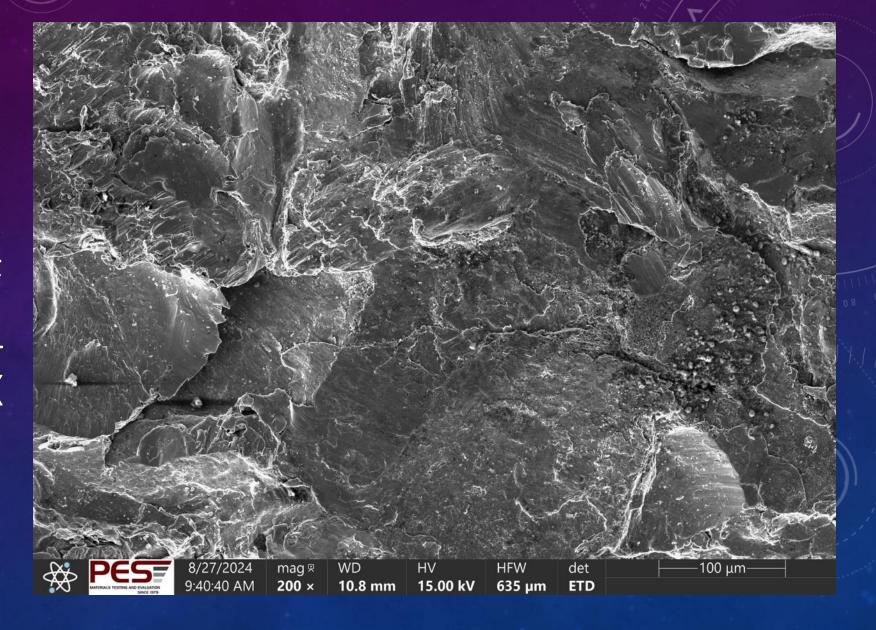




SURFACE OF DURA-BOND STEEL 2,500X



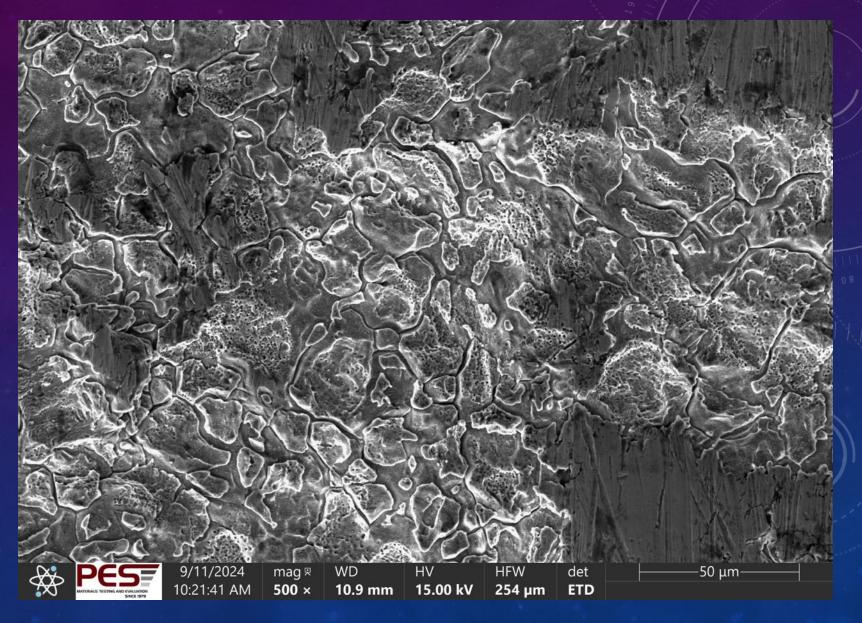
SURFACE OF DURA-BOND STEEL 200X



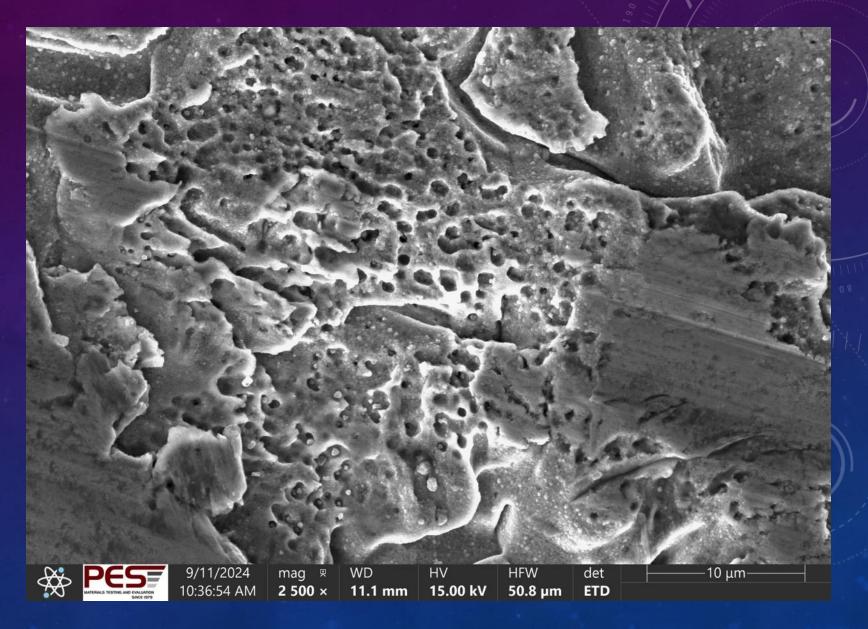
SURFACE OF LIGO STAINLESS STEEL 100X



SURFACE OF LIGO STAINLESS STEEL 500X



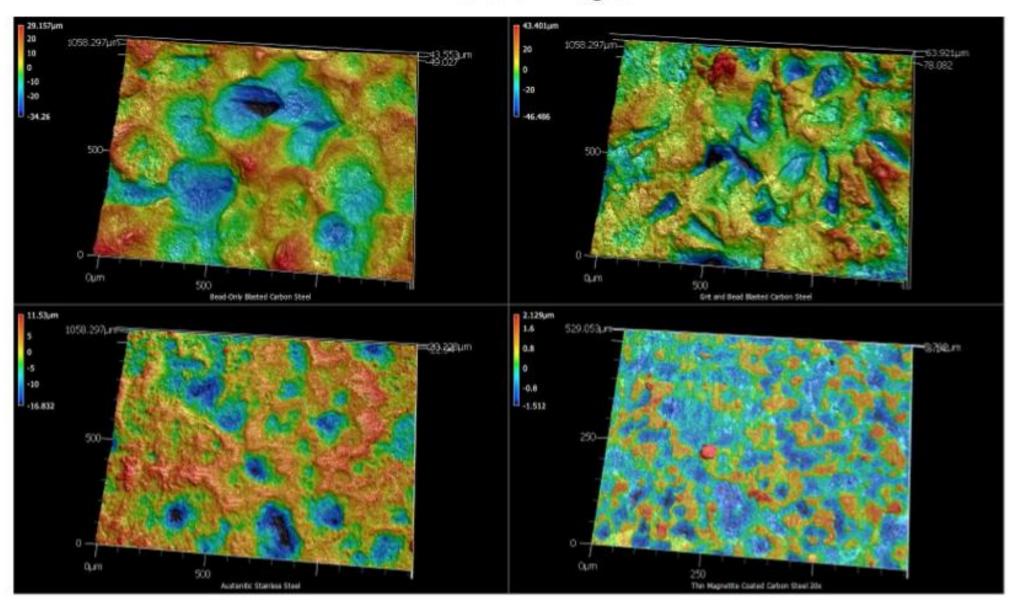
SURFACE OF LIGO STAINLESS STEEL 2,500X



LASER SCANNING MICROSCOPY (KEYENCE VK-X3000)



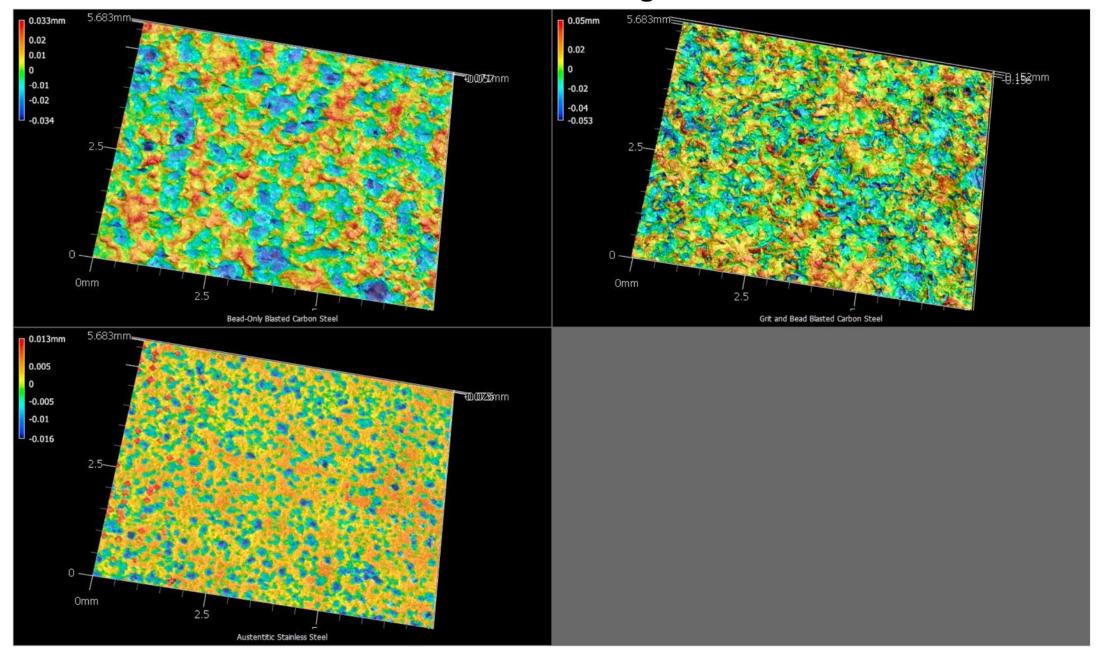
VK-X3000 3D Images



WHITE LIGHT PROFILOMETRY (KEYENCE VR-6000)



VR-6000 3D Images

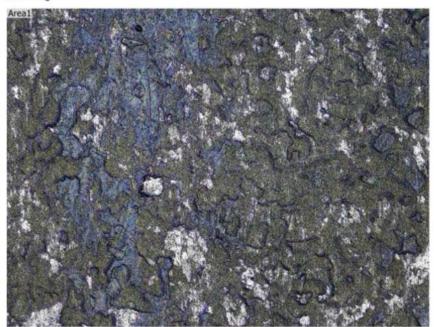


VK-X3000 Roughness Data

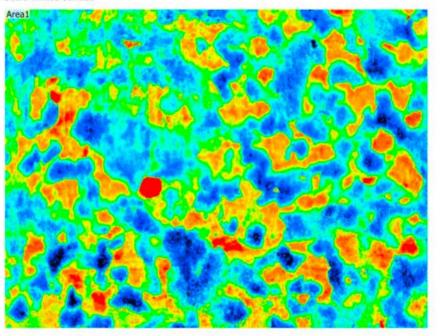
Surface roughness measurement Thin Magnetite Coated Carbon Steel 20x

KEYENCE VK-X3000 Series

Main image



Scale-limited surface



Analysis condition

Roughness standard	ISO 25178-2:2012
Filter type	Gaussian
S-filter	None
F-operation	None
L-filter	None
End effect correction	Enabled

Measurement result

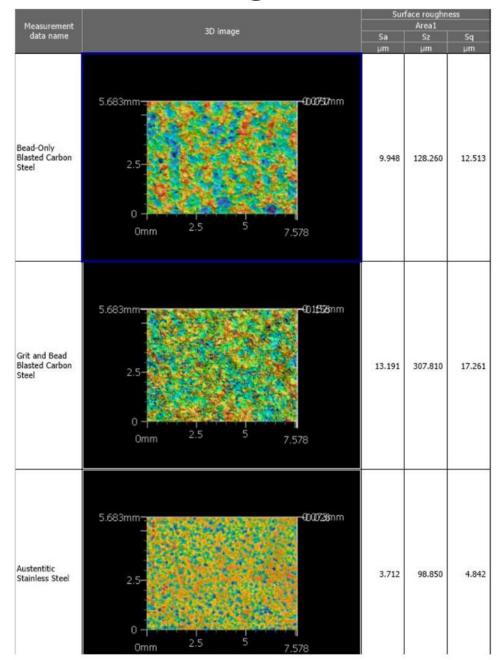
	Sa	Sz	Sq	
	μm	μm	μm	
Max.	0.622	8.922	0.764	
Min.	0.622	8.922	0.764	
Ave.	0.622	8.922	0.764	
Std. DV	0.000	0.000	0.000	
Area1	0.622	8.922	0.764	

Measured date: 2/10/2025 1:07:47 PM

Objective Lens Power: 20X

SURFACE ROUGHNESS PROFILES, FLATNESS, AND ROUGHNESS IN AS LITTLE AS 1 SECOND

VR-6000 Roughness Data



VK-X3000 Roughness Data

Measurement data name	3D image	Surface roughness Area1		
		Sa µm	Sz µm	Sq µm
Bead-Only Blasted Carbon Steel	1058.297µm 500 0 - 0µm 500 1000 1411.522	9.386	92.580	11.79
Grit and Bead Blasted Carbon Steel	1058.297µm 500- 0µm 500 1000 1411.522	10.414	142.002	14.18
Austenitic Stainless Steel	1058.297µm 500 0µm 500 1000	4.470	43.168	5.62

