

Development of Ti PVD films to limit the carburizing of metal powders during SPS process.

Supplementary material

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S1: characterization of the carburized zone after 10 min SPS at 1200°C under 50 MPa of (a) an austenitic and (b) a duplex stainless steel.

S2: surface morphologies of the Ti coatings deposited on graphite foils.

S3: EXD maps of the top surface of the sintered iron using graphite foil with a Ti coating of 1.5 µm.

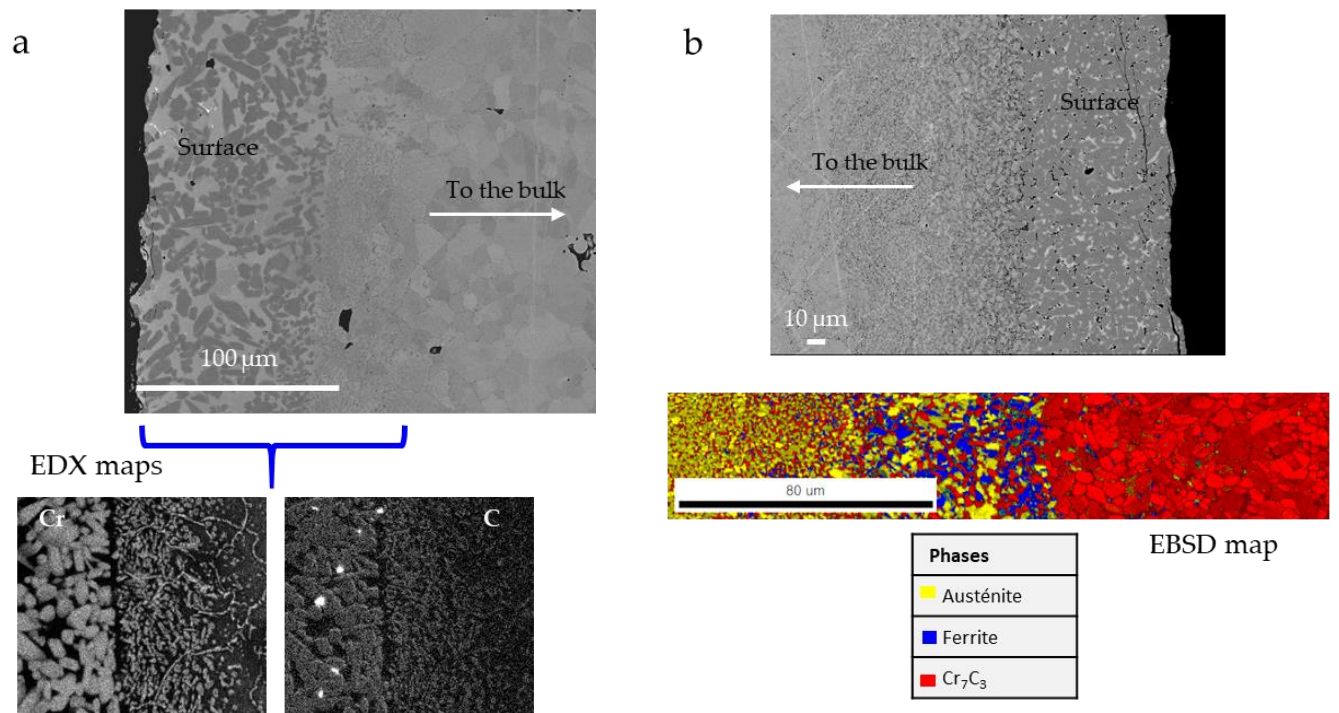


Figure S1: characterization of the carburized zone after 10 min SPS at 1200°C under 50 MPa of (a) an austenitic and (b) a duplex stainless steel.

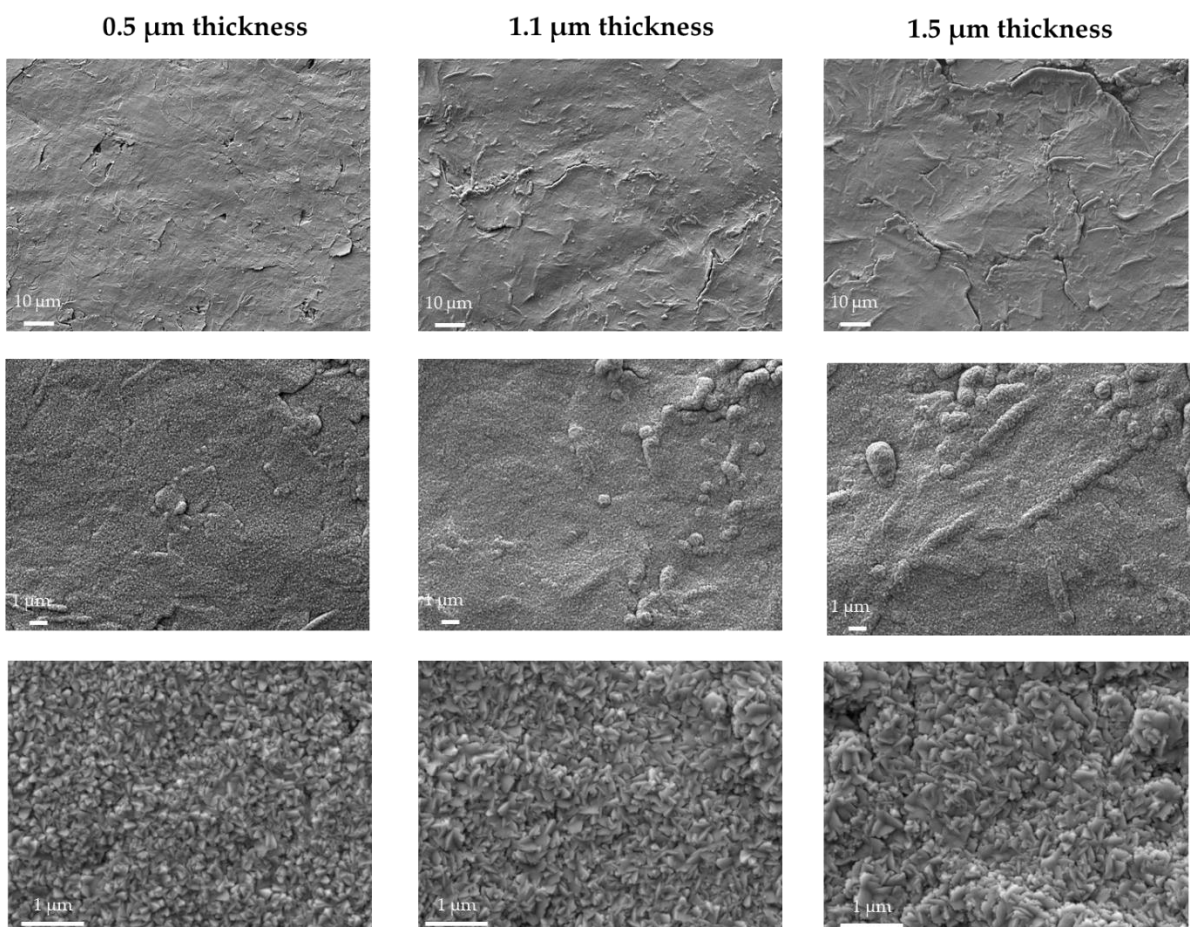


Figure S2: surface morphologies of the Ti coatings deposited on graphite foils.

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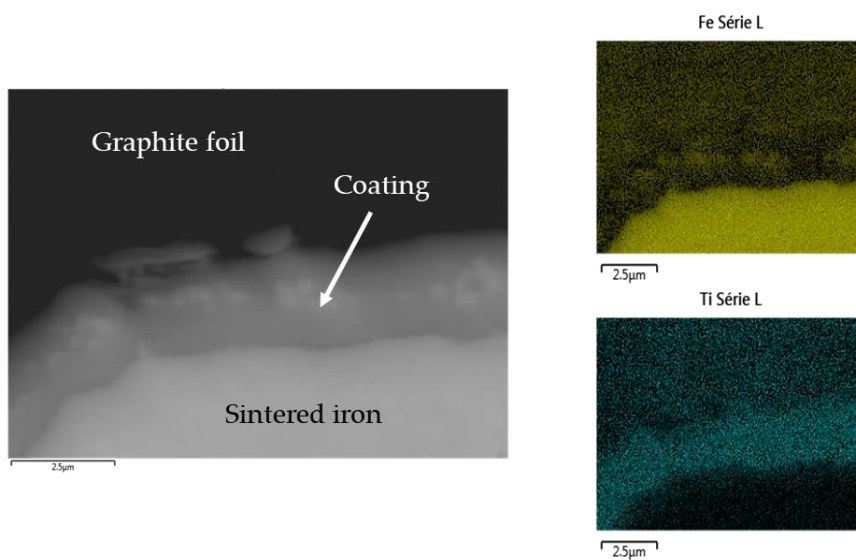


Figure S3: EDX maps of the top surface of the sintered iron using graphite foil with a Ti coating of 1.5 μm.