

Supplementary Materials: Understanding the Influence of High Velocity Thermal Spray Techniques on the Properties of Different Anti-Wear WC-Based Coatings

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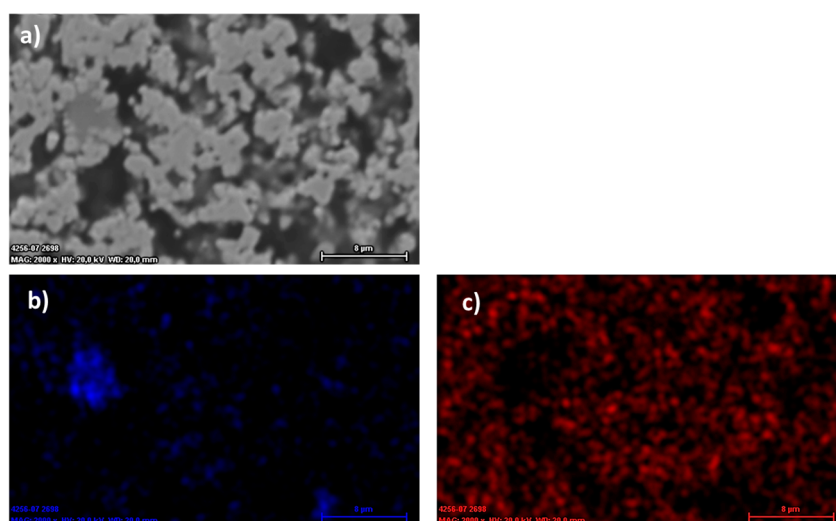


Figure S1. EDS mapping analysis of the WC-Co-m powder. (a) SEM image of the cross-section of the powder particle at 5000x (b) Co-rich regions (blue) and (c) W-rich regions (red).

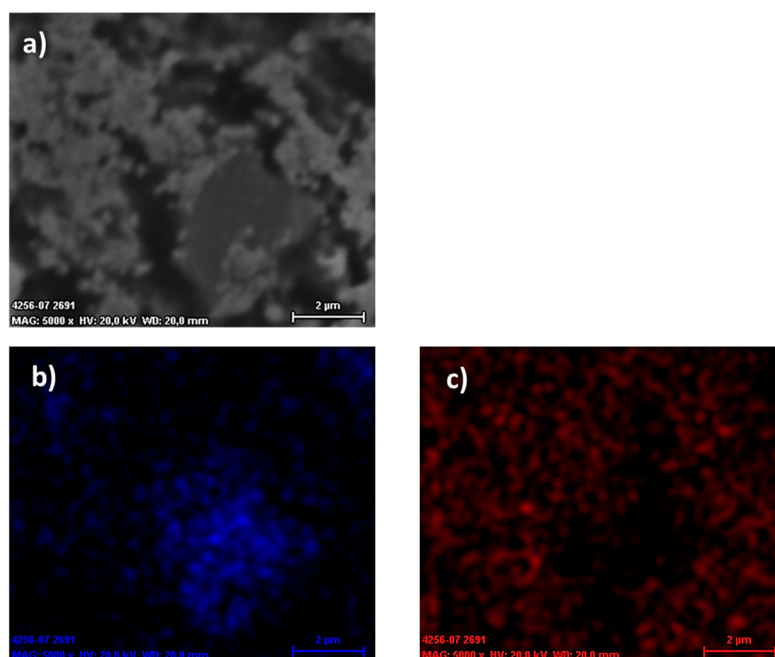


Figure S2. EDS mapping analysis of the WC-Co-n powder. (a) SEM image of the cross-section of the powder particle at 5000x, (b) Co-rich regions (blue) and (c) W-rich regions (red).

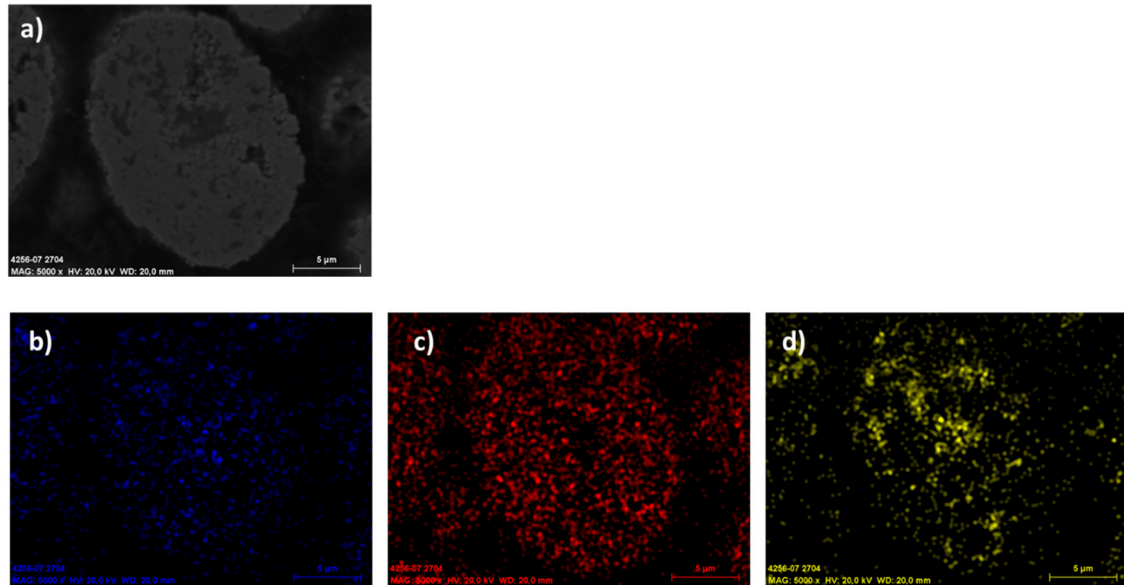


Figure S3. EDS mapping analysis of the WC-Co-Cr-n powder. (a) SEM image of the cross-section of the powder particle at 2000x, (b) Co-rich regions (blue), (c) W-rich regions (red) and (d) Cr-rich regions (yellow).

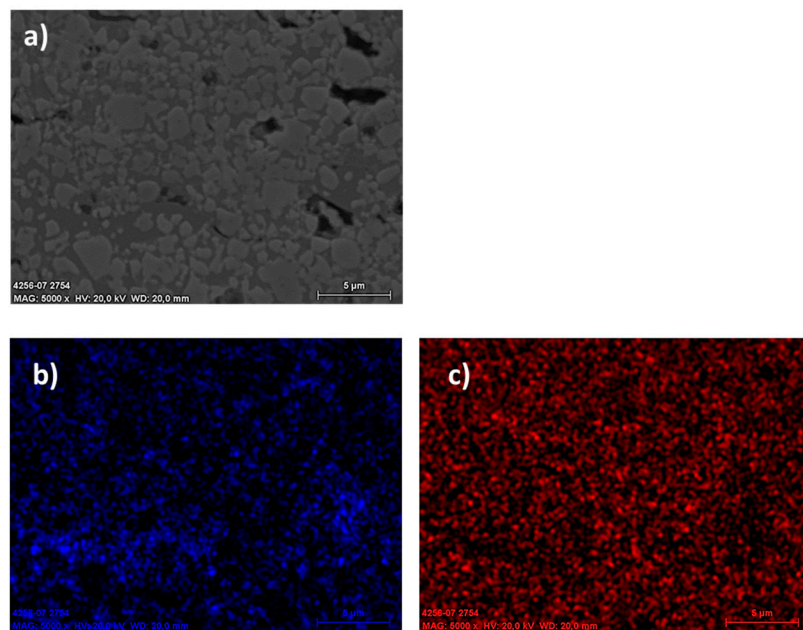


Figure S4. EDS mapping analysis of the HVOF-Co-m coating. (a) SEM image of the cross-section of the coating at 5000x, (b) Co-rich regions (blue) and (c) W-rich regions (red).

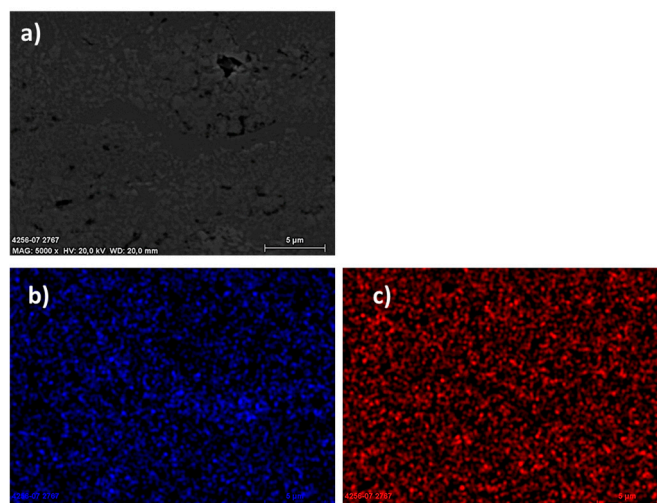


Figure S5. EDS mapping analysis of the HVOF-Co-n coating. (a) SEM image of the cross-section of the coating at 5000x, (b) Co-rich regions (blue) and (c) W-rich regions (red).

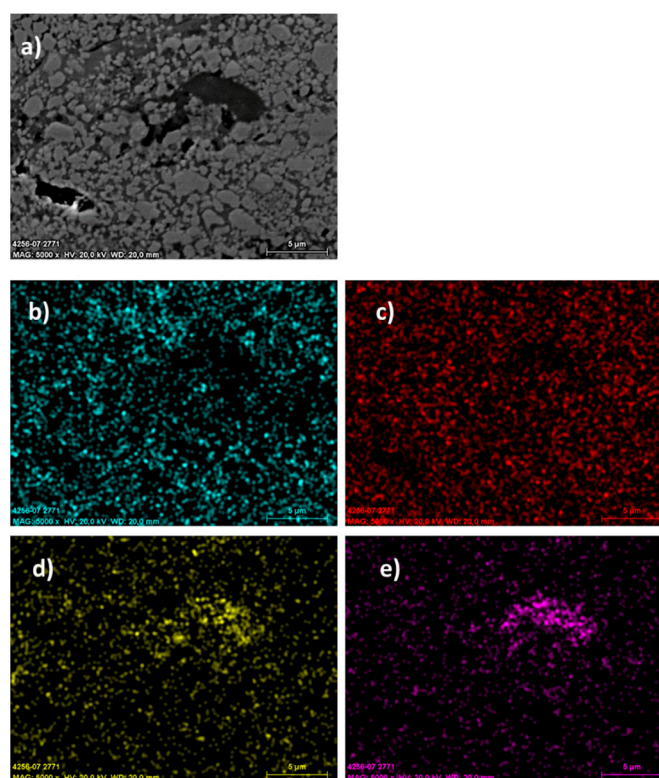


Figure S6. EDS mapping analysis of the HVOF-Ni coating. (a) SEM image of the cross-section of the coating at 5000x, (b) Ni-rich regions (bright blue), (c) W-rich regions (red), (d) Cr-rich regions (yellow) and (e) Mo-rich regions (pink).

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