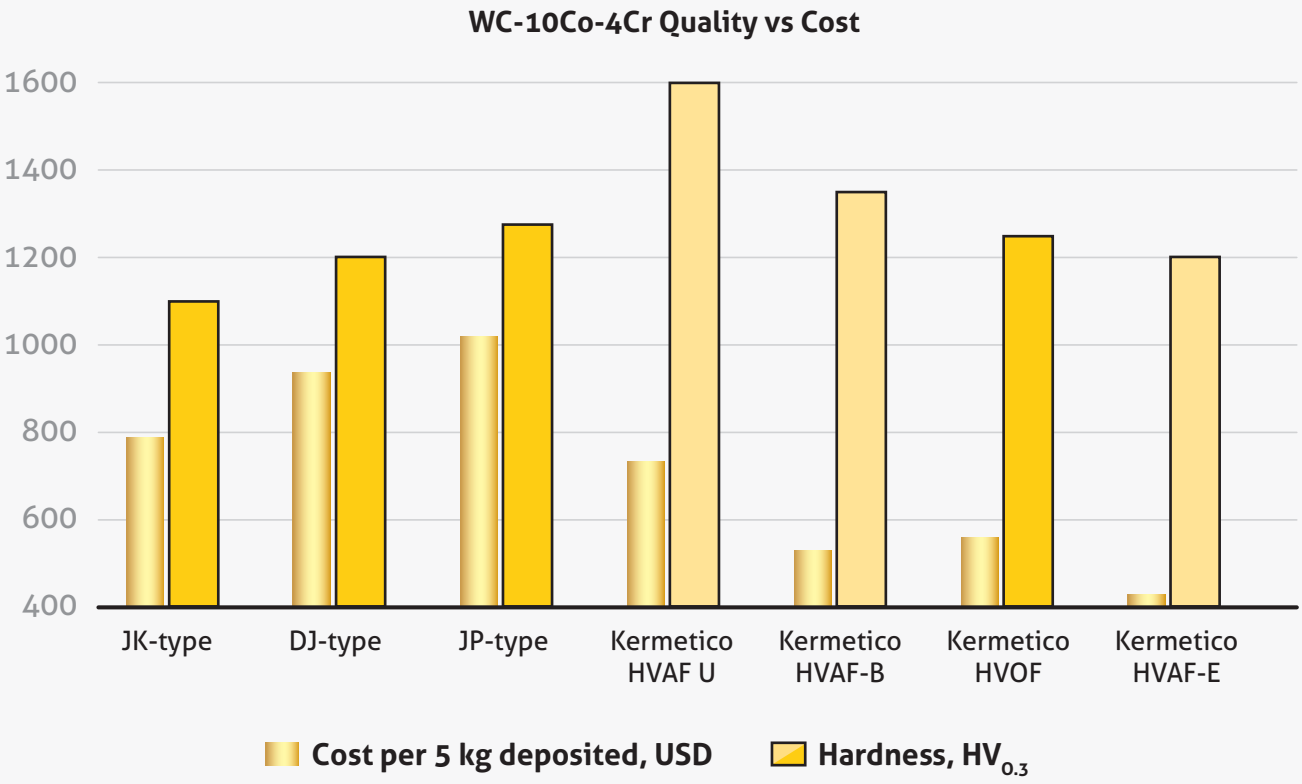
Kermetico HVOF and HVAF Equipment

Outperforms the best HVOF, HVAF, and Cold Spray competitors on a quality/cost ratio basis.

Having a cost advantage of $100 per kg deposited at the same or better quality, our equipment pays back your investment while depositing a second metric ton of WC-10Co-4Cr.



About our Technology

We have created equipment and technology that let a thermal sprayer choose higher quality OR lower cost coating spraying the same tungsten or chromium carbide powder.

We use our HVAF equipment to spray bulk-like unoxidized Ag, Al, Cu, Sn, Ti and Zn.

We run a job shop in California and exclusively use our equipment for R&D, OEM and repair coatings. That is how we learned to spray a 12mm thick WC-10Co-4Cr and stainless steel impermeable @80 µm, repair local carbide coating failures and spray an 80 mm ID.

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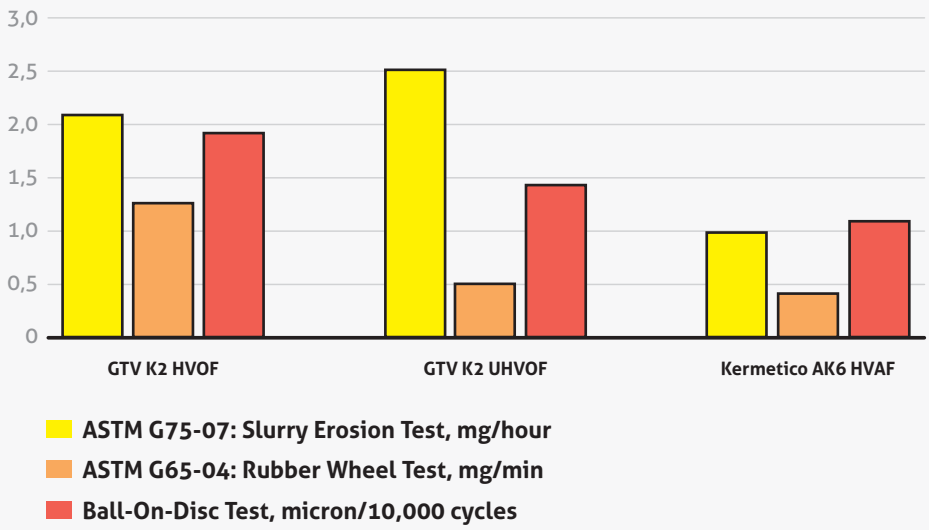
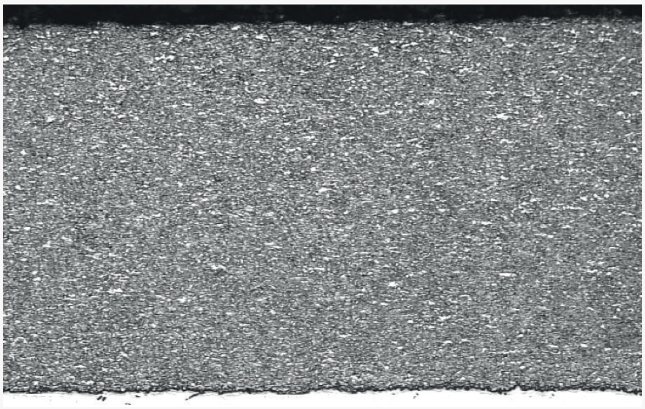
Our equipment lets you choose coating hardness from 1,200 $HV_{0.3}$ to 1,600+ $HV_{0.3}$. And it is ductile. This is why our HVAF coatings outperform the best HVOF counterparts.

InnoMat GmbH Report on WCCoCr coatings for Stellba AG (2016)



Variable combustion temperature + axial powder feed + a long wide nozzle let you control powder temperature and velocity precisely which results in consistent coating quality for various materials.



HVAF WC-10Co-4Cr 0.8 Ra µ in. As-Sprayed

HVAF Copper

An option to use existing HVOF infrastructure, high spray rate (up to 550 g/min) and a short learning curve makes our equipment ideal to upgrade old or bottle-necked equipment. High reliability, air cooling, low weight and the blast & spray option makes it an excellent choice for on-site jobs.

We have been developing our process and equipment in California, USA since 2006. More than 60 Kermetico HVAF and HVOF systems are at work worldwide.

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