



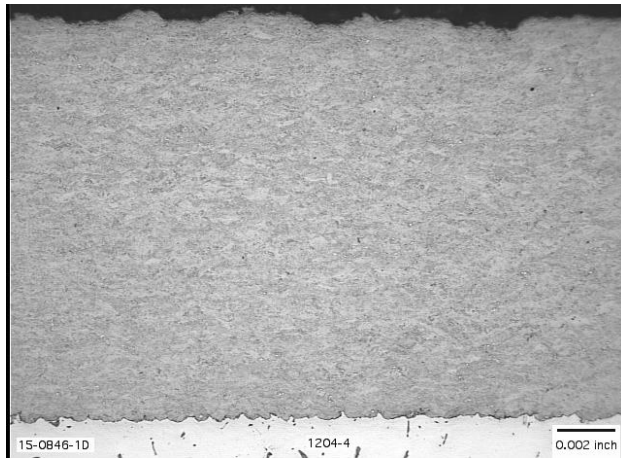
KERMETICO

**Specialized HVAF Thermal
Spray Equipment**

2017

What is Kermetico HVAF?

High Velocity Air Fuel (HVAF) – a thermal spray process characterized by a low combustion temperature ($<2,010^{\circ}\text{C}$ | $3,650^{\circ}\text{F}$), high particle velocity (800-1,000+ m/s | 2,625-3,281 ft./sec.), resulting in low-oxidized, ductile, non-porous, high-bond coatings with high deposition efficiency.



We fine-tune our systems to spray impermeable bulk-like Ag, Al, Cu, Sn, Ti, Zn and alloys.

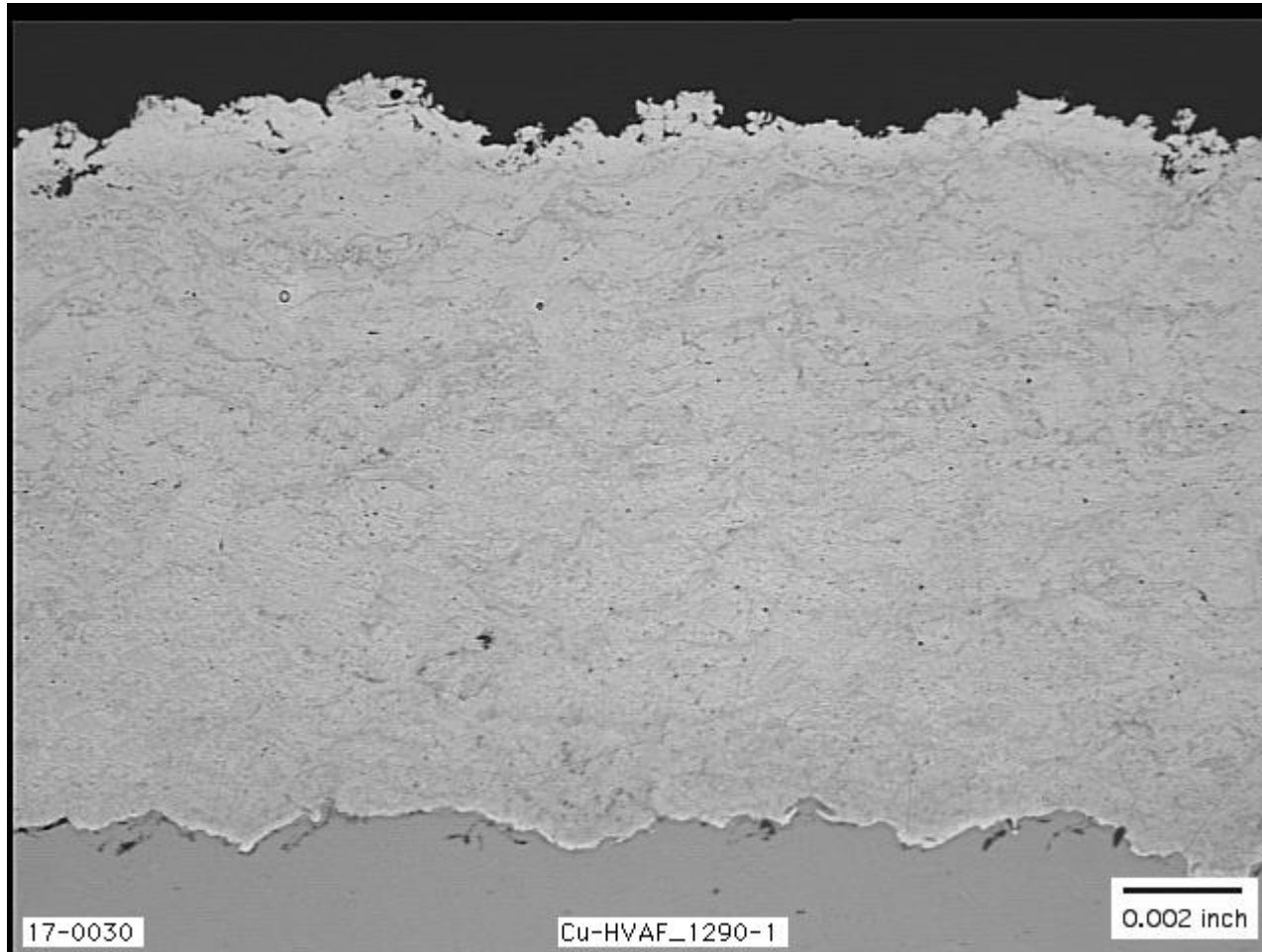
Kermetico HVAF SL

A spray system to deposit low melting point metals and alloys:

- Protection against feedstock oxidation
- No material evaporation in the process
- No nozzle clogging
- Uniform, dense, high-bond aluminum, tin, copper and zinc coatings
- Deposition efficiency 70% and more
- High spray rate:
 - 6 kg/hour (13 lbs./hour) for Al coating
 - 10 kg/hour (22 lbs./hour) for Cu coating
 - 10 kg/hour (22 lbs./hour) for Sn coating



Kermetico HVAF Sprayed Copper



Kermetico HVAF SP

Kermetico SP – a specialized system to deposit gold or silver coatings with the highest deposit efficiency:

- Highly technologically efficient process
- Precise powder usage measurement
- No material evaporation in the spray-process
- High-bond, non-oxidized, very uniform coatings
- Deposition efficiency up to 85%
- Variable powder sizes



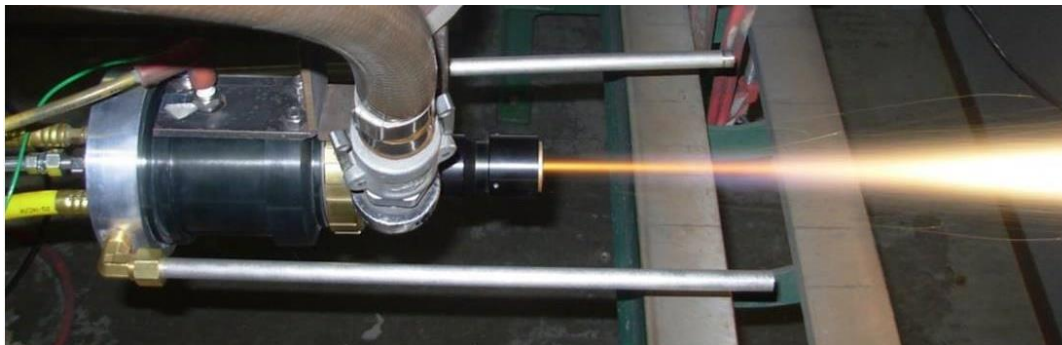
HVAF Sprayed Silver



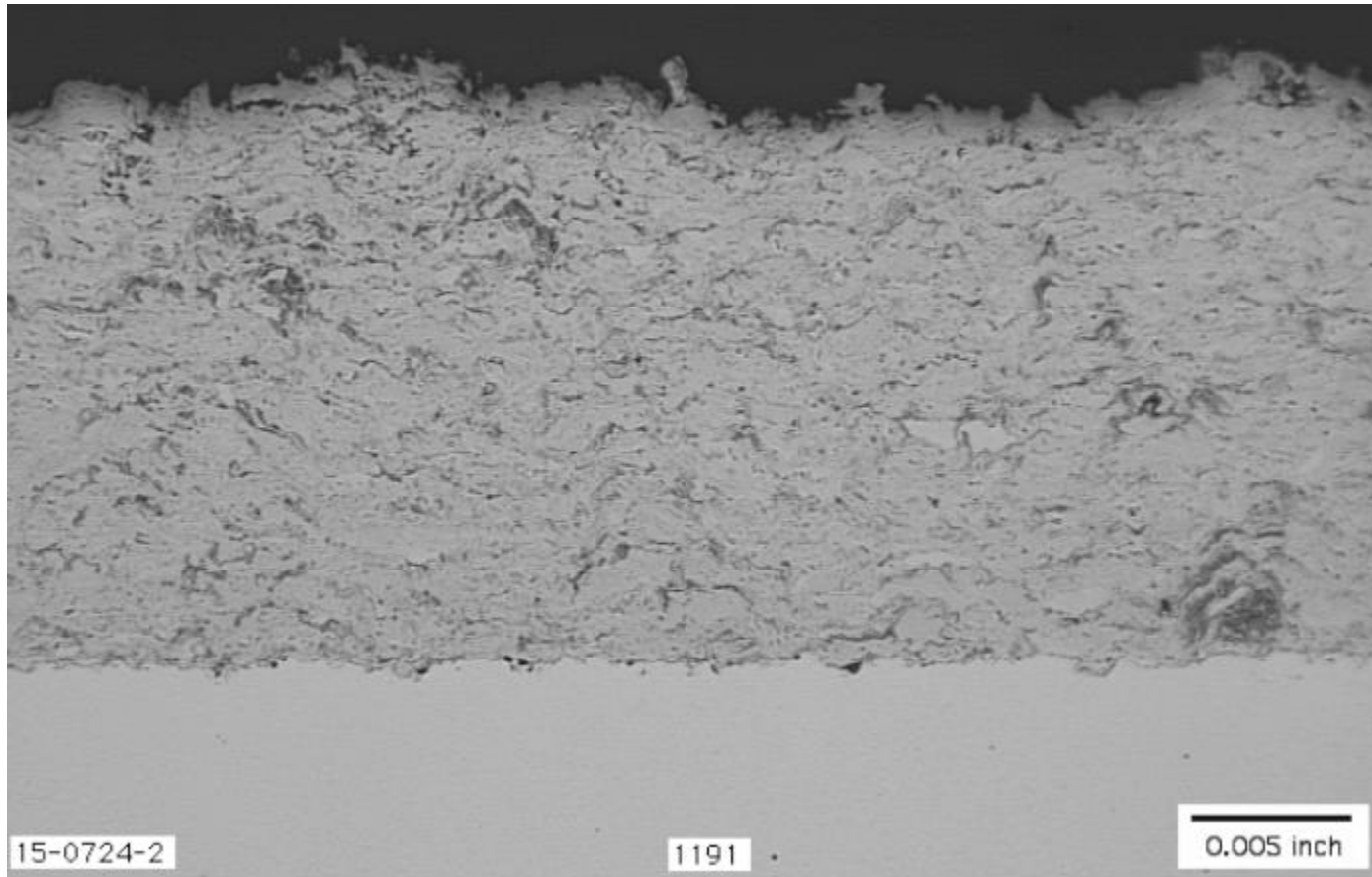
Kermetico HVAF STi

A Kermetico STi gun is designed to deposit titanium and its alloys

- High-velocity titanium spraying in an inert gas shroud
- Low level of oxidation, silver-like coating appearance
- Dense high-bond coating
- For corrosion resistant coatings and for material build-up



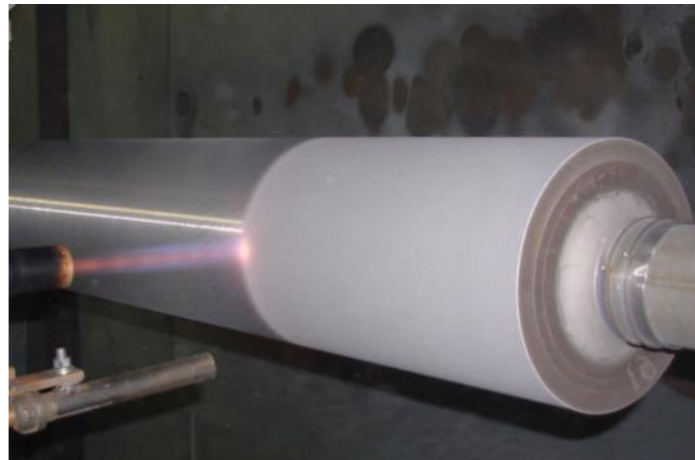
Kermetico HVAF Sprayed Titanium



Made for Excellence

Our systems are designed by sprayers for sprayers:

- ✓ User-friendly controls, several different guns with same system → easy to learn
- ✓ Fine-tuned to spray particular materials
- ✓ High technological efficiency → it is really hard to make a poor coating
- ✓ Axial powder feed + simple design → long-lasting, easy to change spare parts
- ✓ No fumes from the sprayed powder → less health hazards



Blast & Spray with One Gun:
10x Faster, One Setup

Each of our developers has more than 30 years of coating experience. We have been designing and producing our equipment and technology in California, USA, since 2006.

More than 60 systems are at work worldwide, 20 of them are in Universities and Labs; there are numerous academic papers published showing HVAF superiority over HVOF. We and our partners have sprayed thousands of customer parts with no rejection.

Visit our job shop and watch the process:

3900 Oregon Street, Suite 2, Benicia, CA 94510, USA, +1 707-745-3862

Our distributors:

China: [Oriental Renpro](#)
EU(Italy): [Surface Coating Solutions](#)
EU (Poland): [TMC Poland](#)
India: [Spraymet](#)
Japan: [New Metals and Chemicals Co](#)
Russia + CIS: [Plackart](#)
South-East Asia: [Bexxon Global](#)

