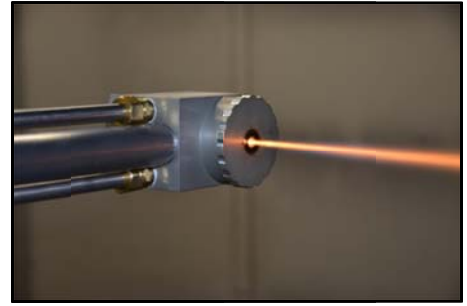


# AC-HVAF ID GUN

*Internal diameter spraying of metals and carbides.*



## Gun Specs

Fuel	Propane / Propylene
Oxidizer	Air
Cooling	Air
Carrier Gas	Air / Nitrogen / Argon
Maximum Spray Rate	up to 10 kg/hr (WC-based powder)
Minimum Internal Diameter	145 mm (5.7")

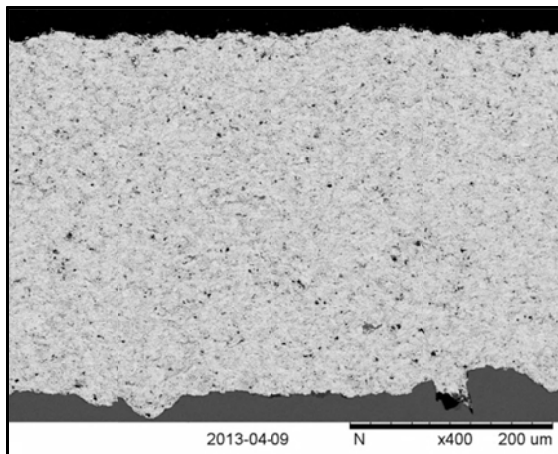
*Grit blasting can be done with the gun. No additional equipment is needed.*

## Particle Velocity

WC-based powder	-30+10 cut	780 m/s
CrC-based powder	-20+5 cut	850 m/s
Metals	-45+11 cut	700 m/s

## Sample coating: WC86-Co10-Cr4 (-20+5 $\mu\text{m}$ cut)

Hardness	1050 HV <sub>300</sub>
Porosity	0.03-0.05%
Bond strength	greater than 82 MPa
Deposit Efficiency	50-55%



WC86-Co10-Cr4

