

Blasting and Spraying with Kermetico HVAF Equipment

When using a HVAF gun for grit blasting, grit particles are accelerated to extremely high velocity and simultaneously heated to over 1,200°C (2,200°F), dramatically improving cleaning and profiling efficiency of the process.

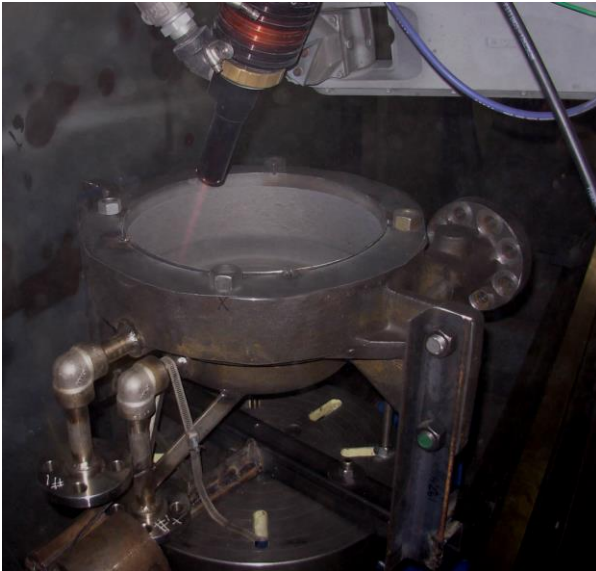
Surface preparation by HVAF grit blasting increases production rate 5+ folds with reduction of grit consumption over 10-fold compared to conventional grit blasting with compressed air. Besides, the same setup is needed for blasting and coating spraying when using the same gun, what results in further cuts of time for thermal spray coating.

The HVAF blasting is an efficient tool for hard coatings stripping.

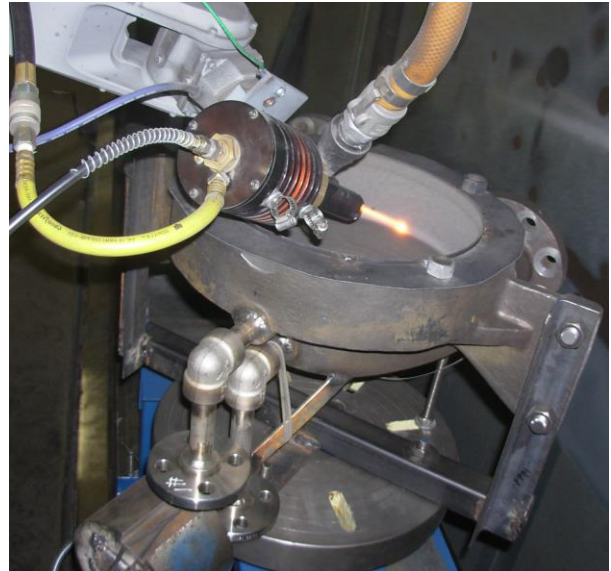
Typical grit used: Aluminum oxide, Silicone Carbide
Grit particle size: From #220 to #24 mesh
Grit consumption: 1-8 kg/hour
Canister volume: 3.5 l
Blasting rate: 5-20 m²/ hour

Examples:

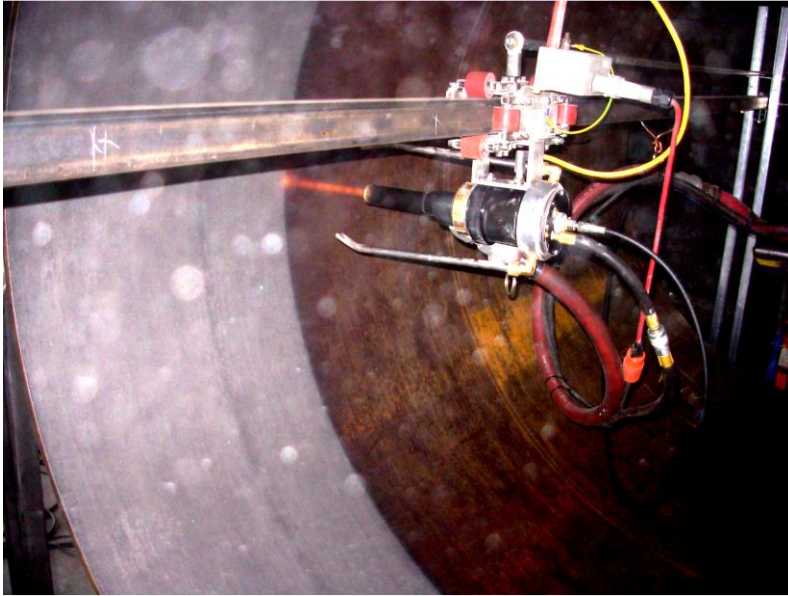
HVAF Grit Blasting a Pump Case



HVAF Spraying a WCCoCr Coating



HVAF Grit Blasting a **Vessel**



HVAF Grit Blasting a **Roll**

