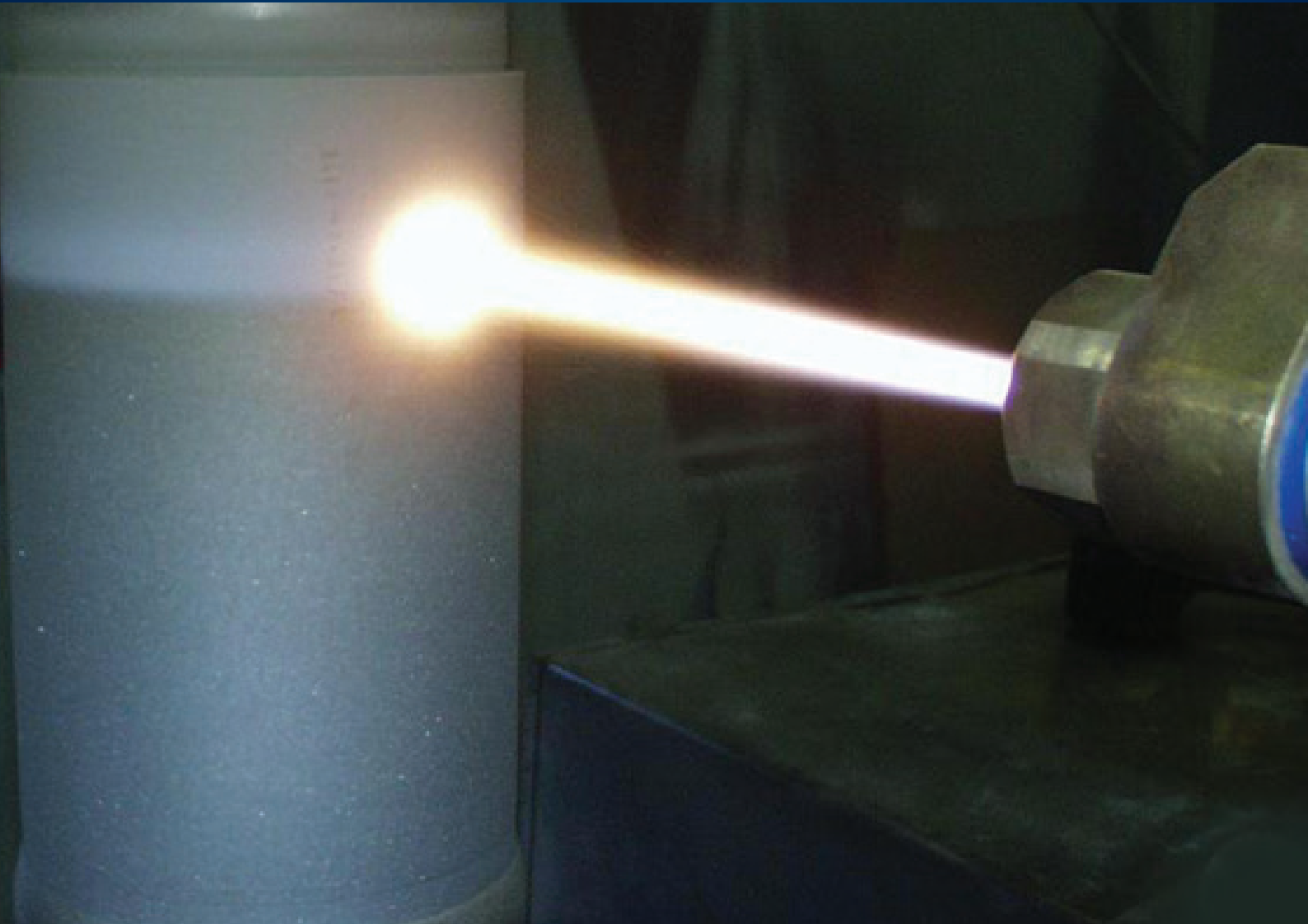


High-Velocity Oxy Fuel (HVOF)



Aerobrazed Engineered Technologies

Wall Colmonoy Limited

Alloy Industrial Estate

Pontardawe Swansea, Wales (U.K.) SA8 4HL

E. aet@wallcolmonoy.co.uk

T. +44 (0)1792 862287



AEROBRAZE
ENGINEERED TECHNOLOGIES



AEROBRAZE
ENGINEERED TECHNOLOGIES

High-Velocity Oxy Fuel (HVOF)

Extending Component Service Life and Enhancing Product Performance.

Aerobrazed Engineered Technologies is a specialised business unit of Wall Colmonoy Limited with expertise in HVOF deposition processes.

Aerobrazed provides enhanced HVOF surfacing solutions with many proven benefits:

- High quality coating - typically less than 1% porosity
- Excellent wear and corrosion resistance
- High particle velocity
- Low heat input

Specially Formulated Alloys:

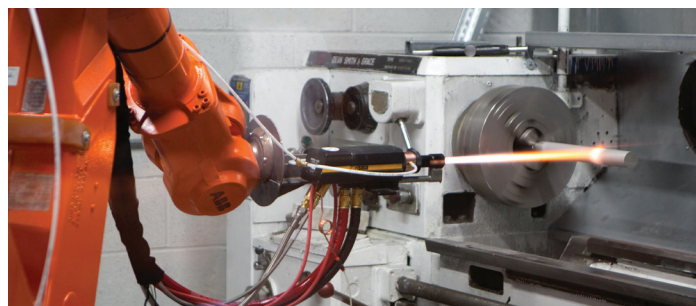
Wall Colmonoy's HVOF alloys are specially formulated for the HVOF process. Wall Colmonoy Aerobrazed Team offers customised technical expertise to determine the right product for the right application. The coatings can be supplied in the as applied or fused condition.

Equipment used - JP8000

- PLC based control system
- Kerosene fired flame
- Coatings up to 12mm depth
- Consistent deposition rates
- Ability to record actual coating parameters

HVOF Lathe Capacity

- Length: 2.44m
- Diameter: 200mm
- Weight: 450 Kgs



Above: HVOF Spray Bottom: WCL (UK) Aerobrazed Facility

Typical Material Coated:

- Aluminium
- Carbon Steel
- Duplex Steel
- Inconel
- Stainless steel
- Super Duplex Steel

Industries:

- Aerospace
- Food
- Gas Turbines
- General Engineering
- MRO
- Nuclear
- Oil & Gas
- Paper
- Power Generation

Applications:

- Combustion Chamber
- Control Shafts
- Disc Seals
- Edge Miller covers
- Exhaust Unit
- Fan Assembly
- Filler Drawer
- Intake Guide Vanes
- Pistons
- Rollers
- Rotor Blades
- Rotor Case
- Snouts
- Standard Roller
- Thermowells
- Torquers

