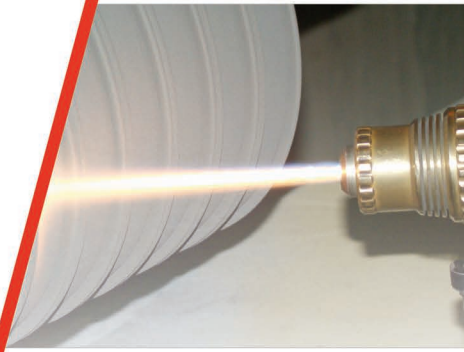
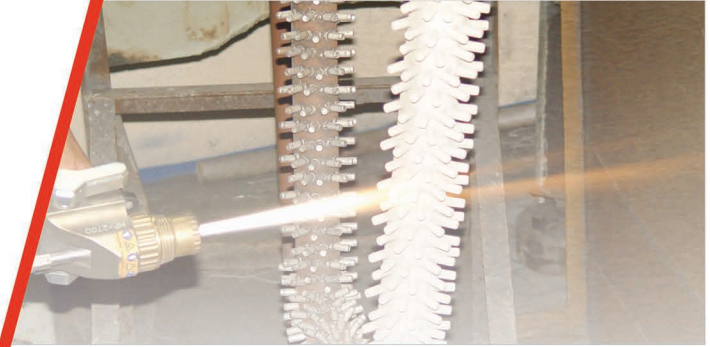




METALLIZING EQUIPMENT
CO. PVT. LTD.

HVOF

HIGH VELOCITY
OXY-FUEL (GAS)
SPRAY SYSTEM



www.mecpl.com



MP 2100 "HVOF" Spray System

Innovative Coating Solution for Wear & Corrosion Resistance

The **MP 2100 HVOF Spray System** is engineered to deliver superior performance, ensuring wear and corrosion-resistant coatings on a wide range of materials, including ceramics and metallic layers. It is ideal for applying cermet materials like WC-Co, chromium carbide, MCrAlY etc...

Coating Advantages

- High Density: Porosity <1%, ensuring robust protection.
- Superior Hardness: Achieves up to 1250 VHN.
- Smooth Surface Finish: As-sprayed roughness of 3-5 Ra.
- Exceptional Bond Strength: Exceeds 10,000 psi.
- Enhanced Wear Resistance: Minimal wear rate of 0.3 μ m.
- Reduced Oxide Content: Superior to plasma coatings.

System Components

- Hipojet-2700 / 2750-M (DJ Internal Hardware) HVOF Powder Spray Gun
- Control Panel
- Powder Feeder PF-SB-HP-3355
- Air Control Unit
- Gas Control Unit
- Hose Kit
- Portable Trolley
- LPG Vaporizer Unit
- Personal Protective Equipment
- Set of Recommended Spare Parts

Technical Specifications

- Powder Feed: Via powder feeder (5-150 micron range).
- Fuel Type: LPG/Propane.
- Electric Input: 220V/110V AC, 1P, 50-60 Hz.
- Temperature Range: 5°C to 50°C.
- Gas Consumption:
- Oxygen: 250-280 SLPM
- Fuel Gas: 40-80 SLPM
- Air: 350-600 SLPM
- Air Requirement: 35 CFM (FAD) at 100 PSI.



HIPOJET-2700/2750



HIPOJET HY 2750



HIPOJET-2700
WATER COOLED

Wide Range of Applications

Turbine Components, Landing Gear, Repair and Maintenance, Gas and Steam Turbines, Oil and Gas Industry, Engine Components, Exhaust Systems, Roll and Cylinders, Machine Tools, Pumps and Compressors.



AP 2100 Automatic HVOF Spray System

Precision Coating Technology for Maximum Performance

The **AP 2100 Automatic HVOF Spray System** is a state-of-the-art solution for applying wear and corrosion-resistant coatings on a variety of materials, including ceramics and metallic layers. This system is ideal for industries demanding highly accurate, repeatable, and efficient coating processes using advanced cermet powders like WC-Co, chromium carbide, MCrAlY etc.

Coating Advantages

- High Density: Porosity <1% for superior protection.
- Optimum Hardness: Achieves 1250 VHN.
- Smooth Surface Finish: As-sprayed roughness of 3-5 Ra.
- Exceptional Bond Strength: Exceeds 10,000 psi.
- Excellent Wear Resistance: Minimal wear rate of $0.3 \mu\text{m}$.
- Reduced Oxide Content: Superior quality compared to plasma coatings.

System Components

- Hipojet-2700 / 2750-M (DJ Internal Hardware) HVOF Powder Spray Gun
- Control Panel
- Powder Feeder PF-SB-HP-3355
- Air Control Unit
- Gas Control Unit
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- Air: 350-600 SLPM
- Air Requirement: 35 CFM (FAD) at 100 PSI.



HIJET - 9610



HIPOJET-2750 A

EXTEND YOUR COATING REACH



Standard lengths: 1foot(300mm)
2feet(600mm) 3feet(900mm)



System layout

