



The Metallisation Met-PCC(HVOF) system is the latest development to our range of (HVOF) systems. The Met-PCC(HVOF) system applies all of the simple control / operator interface features of our previous HVOF and Plasma systems. The '-L' version can be interfaced with our own MET-JET4L pistol and/or other non-Metallisation liquid fuel pistols. The '-G' version can be interfaced to a range of non-Metallisation gas fuelled HVOF pistols. The Met-PCC(HVOF) system has re-packaged the control elements and utilised the latest technology to optimise functionality and reliability. At the front end, the operator interface utilises an intuitive Graphical User Interface (GUI), including the option to integrate video images into the display. The interface runs on a familiar touchscreen Windows PC platform with Intel Dual Atom processor which is great for usability, integration and communication. Behind the scenes, the latest PLC runs the system with communication between devices via the reliable Ethernet protocol. As you would expect from a system of this standard, the gases/fluids are all mass-flow controlled for optimum repeatability of coatings. All spray parameters can have real-time trending on the system. The result is a truly unique, compact design, flexible, easy to operate HVOF system, backed up by Metallisation's 90 year+ industry experience and support.

- Mass flow control = repeatability
- Easy to use operator interface
- Liquid fuel = thick, low stressed
- Various pistols can be used
- High hardness, low oxide level coatings
- PC control with touch screen
- Optional keyboard control
- Unlimited recipes and parameter recording
- Low running costs compared to hydrogen fuel
- High bond strength and low porosity coatings

Typical Applications:

- Hard-chrome plate alternative
- CGL mill rolls
- Oil/Gas valves
- Paper rolls
- Hydraulic rams
- Suspension components
- Landing gear
- Hydroelectric turbines
- Automotive valves
- Wire drawing blocks

Typical Material	Powder Reference	Throughput Grams/min	Deposit Efficiency %
WC Co Cr	99745	70	49
WC ₁₀ Co ₉₀ (83/17)	99735	70	45
WC Co	99725	70	45
Ni Cr B Si	99325	70	48
Inconel 625	99405	70	47
Copper	99407	70	63
Chrome Carbide	99785	70	50
Stellite™ 6		70	44

All figures are approximate and based on using Metallisation MET-JET4L pistol
Pistol images shown include variants of Praxair JP5000, Metco Diamondjet and Deloro Jetkote

