Metallisation
Thermal spray equipment and consumables

Met-PCC(MK66E)

The NEW Metallisation Met-PCC(MK66E) is a fully automatic flamespray system with mass flow control, which offers the ability to produce the highest quality, repeatable coatings. The system provides a fully automatic sequence of ignition, main flame and wire feed. The wire feed is capable to be stopped during spraying without melting the wire back into the nozzle, even when left for extended periods. Fault sensors check for loss of flame, wire stoppages or wire out and can interlock to external automation to stop production and request assistance. These features ensure continued operation, improved coating quality and minimised downtime.

The system is PC controlled with distributed I/O, for extreme reliability, comprising a touch screen HMI (with optional keyboard), mass flow control gas box, and compact, electric drive pistol.

- Mass flow control = repeatability
- Easy to use, intuitive operator interface
- PC control with touch screen
- Unlimited recipes and parameter recording
- Engineering and anti-corrosion coaings
- Spray a wide range of material
- Wire sizes 1.5mm to 4.76mm (3/16")
- Manual or automatic start-up, operation and shut
- Safety interlocks to prevent running without nozzle air
- Interface to external control systems/robot automation

Material	Reference	Wire Diameter	Maximum Throughput kgs/hr	Maximum Coverage m²/kg/100 µm
Molybdenum	99E	3.17mm (1/18")	0.7 (bond coat) 2.5 (hard coat)	1.02
Steels	30E/35E/45E 55E/57E/60E 65E/80E	3.17mm (1/18")	4.0 – 4.5	0.91 – 1.1
Copper	05E	3.17mm (1/18")	5.9	0.91
Bronzes	10E and 15E	3.17mm (1/18")	5.7	0.91 – 1.1
Zinc	02E	2mm	8.2	0.91
Aluminium	01E	3.17mm (1/18")	3.6	3.57

The MK66E system can be supplied to run on oxy-propane or oxy-acetylene, dependent on the materials and customers requirements.
All figures are approximate.

Typical Applications:

- Molybdenum coating on axles
- Robotic spraying
- Heater tracks on wing sections
- Ceramic seal coatings
- Tube mills

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