

Metallisation Flamespray MK61-FS

Thermal spray equipment and consumables



The Metallisation MK61-FS is an oxygen-acetylene fuelled flamespray system, primarily for spraying engineering coatings of steels, bronzes, copper, molybdenum and ceramic rods. The lightweight, robust pistol offers the possibility to reclaim damaged parts for small to medium sized applications. Molybdenum can also be sprayed with the MK61-FS as a soft bond coat through to a very hard, wear resistant coating. The MK61-FS system can be used for anti-corrosion coatings where propane is not readily available. The 'FS' stands for Free-Standing as the new control board can be free standing or wall mounted to suit all site or in-house applications.

- Sprays a wide range of materials
- Wire sizes 1.5mm to 4.76mm (3/16")
- New free-standing control board
- Flowmeters give optimal parameter setting
- Ideal for low volume engineering coatings
- Easy lighting and maintenance
- Robust but lightweight design
- Sprays ceramic rods
- Can be toolpost mounted
- Can be used for anti-corrosion coatings

Typical Applications:

- Engineering coatings
- Reclaiming parts
- Bearing and seal surfaces
- Wear coatings
- Molybdenum
- Fine coatings with low heat input

Material	Reference	Wire Diameter	Maximum Throughput kgs/hr	Maximum Coverage m ² /kg/100µm
Molybdenum	99EE	3.17mm (1/8")	0.7 (bond coat) 2.5 (hard coat)	1.02
Steels	30E/35E/45E 55E/57E/60E 65E/80E	3.17mm (1/8")	4.0-4.5	0.91-1.1
Copper	05E	3.17 mm (1/8")	5.9	0.91
Bronzes	10E & 15E	3.17 mm (1/8")	6.0	0.91-1.1
Zinc	02E	3.17 mm (1/8")	15	0.91
Aluminium	01E	3.17 mm (1/8")	3	3.57

All figures are approximate.

