

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 and importantly, Molybdenum. 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. New in 2013 is a more compact ARF and freestanding mounting board.

- Sprays wide range of materials
- Wire sizes 1.5mm to 4.76mm (3/16")
- Choice of coating textures
- Easy to maintain
- Flowmeters give optimal parameter setting
- Easy lighting
- Robust but lightweight design
- Easy to maintain
- 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/100 µm
Molybdenum	99E	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	3.17mm (1/8")	5.9	0.91
Bronzes	10E and 15E	3.17mm (1/8")	6.0	0.91 – 1.1
Zinc	02E	3.17mm (1/8")	15	0.91
Aluminium	01E	3.17mm (1/8")	3	3.57

All figures are approximate

