



## FLAME SPRAYING WITH MK61 & MK73

Flame spray is a process that uses an oxy-fuel flame to melt wires and in some cases powders or ceramic rods. The molten material is then atomised with compressed air to create a spray stream that applies the coating onto the surface being sprayed. Anti-corrosion coatings are typically applied with oxy-propane systems. Engineering coatings are typically applied with oxy-acetylene systems. Where propane is not available, oxy-acetylene systems can apply anti-corrosion coatings. Flame spray systems are commonly manually operated but it is possible to automate the process.

### MK61 FLAME SPRAY SYSTEM

The Metallisation MK61 is an oxygen-acetylene fuelled flamespray system, primarily for spraying engineering coatings of steels, bronzes, copper and molybdenum. The lightweight, robust gun offers the possibility to reclaim damaged parts for small to medium sized applications. The MK61 system can be used for anti-corrosion coatings where propane is not readily available. Extended supplies package options maximise efficiency when working on large job sites such as refineries, petro-chemical sites and offshore structures. The extended supplies packages, up to 50m from cylinders to gun, allows the cylinders to be remotely located whilst the operator moves around the job with just the gun and occasionally moving the control panel. The length of supplies is limited by the pressure of the acetylene.

### MK73 FLAME SPRAY SYSTEM

The Metallisation MK73-FS is an oxygen-propane fuelled flamespray system giving un-rivalled anti-corrosion coatings. The lightweight, well-balanced, robust gun offers the quickest spray rates on the market, saving you both time and money. Systems can be supplied as continuous spray or with a unique stop/start function that allows the operator to stop spraying but keep the flame lit without damage to the gun. The gun can be further enhanced by fitting a deflected spray extension. This unit allows the operator to spray at right angles and get into difficult to access spray areas, such as



VORAX OFFER FLAME AND ARC SPRAYING EQUIPMENT ALONG WITH THERMAL SPRAYING WIRES AND POWDERS

between pipes or close to brackets. This enables more areas to be sprayed and with a better quality coating than may have previously been possible. The extension uses the same consumable parts as a standard gun.

### MK61 vs. MK73 FLAME SYSTEM

MK61	MK73
Optimized for steel, copper, bronzes and molybdenum wires	Fastest gun optimised for anti-corrosion wires (up to 50kg/hr!)
Can be used for anti-corrosion materials	Can be used for some steel, copper and bronze wires
Stop/start version and spreader/non-spreader versions allow detail work or larger areas to be sprayed efficiently	
Wire sizes 1.5mm to 4.76mm to suit many application and coatings	
Rugged but light-weight and balanced design	
Variable wire speed control and two stage air cap gives optimal setting for lighting and spraying	
Optional extensions for access to difficult to spray areas	
Variety of hose lengths, wire dispense methods and packaging available	

### WHY VORAX?

- ✓ Robust and reliable industrial equipment for metallisation
- ✓ Years of experience in thermal spraying
- ✓ Full spectre of wires and powders for thermal spraying

For more on advanced materials and technologies contact



Vorax d.o.o., Vukovarska 68, 51000 Rijeka, HR  
www.vorax.hr | info@vorax.hr