

# Metallisation Arcspray 340-PLC

Thermal spray equipment and consumables



The Metallisation ARC340 system is the preferred choice for general engineering applications. It is ideally suited to tool post and automation mounted applications with occasional requirements for hand spraying. The proven ARC340 pistol is now combined with a new range of PLC controlled 250A and 350A switched voltage energisers. This creates a range of systems that provide reliability, flexibility and great useability. The ARC340 pistol supersedes and can be fitted as a direct replacement to the ARC375, ARC234 and ARC240 pistols.

- PLC controlled energisers = reliability
- Over-current protection
- Air driven pull system
- Air cooled or solid cables
- Easy to maintain
- Uses wires from 1.6-2.3mm dia. without changing feed rollers
- Choice of coating textures
- Optional Arcbeam spray concentrator
- Optional deflected spray extension sections

### Typical Applications:

- Engineering coatings
- Reclaiming parts
- Bearing and seal surfaces
- Print rollers
- Anti-spark coatings
- Wear coatings
- Small anti-corrosion applications

Material	Reference	Normal Diameter*	Maximum Throughput kgs/h†	Maximum Coverage m <sup>2</sup> /kg/100µm
Aluminium	01E	1.6mm	8.5	2.86
		<b>2.0mm</b>		
		2.3mm		
Zinc	02E	<b>2.0mm</b>	36	0.82
		2.3mm		
Copper	05E	<b>1.6mm</b>	15	0.91
		2.3mm		
Nickel	06E	<b>1.6mm</b>	13.6	1.02
Aluminium Bronze	10E	<b>1.6mm</b>	13.6	1.37
		2.3mm		
Phosphor Bronze	15E	<b>1.6mm</b>	19	0.91
		2.3mm		
Steels	30E, 35E 45E, 55E 57E, 60E 65E, 80E 84E	<b>1.6mm</b>	13.6	1.02
		2.3mm		
Bond	75E	<b>1.6mm</b>	16.4	0.91
Monel	70E, 71E	<b>1.6mm</b>	17.2	1.02

\* Throughput is independent of wire diameter preferred diameter shown in bold.

† Throughput based on standard spray parameters with Metallisation wires at spraying current of 300A or 350A in italics.

