Metallisation Arcspray 340(16)-PLC

Thermal spray equipment and consumables

CLOSED-LOOP CURRENT CONTROL

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 (16) model year 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
- Optional deflected spray extension sections

Typical Applications:

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

Material	Reference	Normal Diameter*	Maximum Throughput kgs/hr†	Maximum Coverage m²/kg/100 µm
Aluminium	01E	1.6mm **2.0mm** 2.3mm	*8.5*	2.86
Zinc	02E	**2.0mm** 2.3mm	*36*	0.82
Copper	05E	**1.6mm** 2.3mm	15	0.91
Nickel	06E	**1.6mm**	13.6	1.02
Aluminium Bronze	10E	**1.6mm** 2.3mm	13.6	1.37
Phosphor Bronze	15E	**1.6mm** 2.3mm	19	0.91
Steels	30E, 35E, 45E, 55E 57E, 60E, 65E, 80E 84E	**1.6mm** 2.3mm	13.6	1.02
Bond	75E	**1.6mm**	16.4	0.91
Monel	70E, 71E	**1.6mm**	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.