

Metallisation Arcspray 145/S245-CL

Thermal spray equipment and consumables



CLOSED-LOOP CURRENT CONTROL

The new Metallisation Arc145/S245-CL with closed loop current control is a unique blend of ability and innovation. The ARC145 system offers a great balance of controllable throughput with flexible operation and the opportunity to have extended supplies packages up to 50m from the energiser to the pistol.

A number of new features are included to enable reliable spraying at 250A, 100% continuous duty cycle. These include a new pistol front end with contact tips instead of solid tubes; a heavy duty drive unit with new, v-shaped reversible rollers; heavy duty supplies package/manifold and a new 250A energiser with high-specification digital meters and the latest PLC for connectivity to master control systems. These features combine to give a flexible, reliable and manageable solution for small to medium scale thermal spray applications, producing quality, fine surface finish coatings.

- New S245 sealed energiser = reliability
- Closed-loop current = simplicity / reliability
- Uses wires from 1.6mm to 2.5m
- Air cooled cables = lightweight
- Excellent pistol manoeuvrability
- 5,10 and 20m supplies packages
- Anti-corrosion and engineering coatings
- Easy to maintain = lower downtime
- 5m pull option available for small workshop
- MIG and drum dispense
- Soft start for smooth start ups = reliability
- PTFE lined conduits = reliable long wire feed

Typical Applications:

- Reclaiming parts
- Engineering bond coats
- Bearing and seal surfaces
- Small anti-corrosion
- Structural steelwork
- Vessels and enclosures
- Fences / gates
- Anti-spark coatings

Material	Reference	Wire Diameter*	Maximum Throughput kg/hr (@ 250A)	Maximum Coverage m ² /kg/100µm
Zinc	02E	2.0mm 2.3mm	26	0.82
Aluminium & Alloys	01E/17E/25E	2.0mm 2.3mm	6	2.88
Zinc/Aluminium 85/15	21E	2.0mm 2.3mm	22	1.00
Copper	05E	1.6mm	12.5	0.91
Nickel Aluminium	75E	1.6mm	13.6	1.09
Steels	30E, 35E, 45E, 55E, 57E, 60E, 65E, 80E, 84E	1.6mm	11.3	1.02
Cored Wire	103T	1.6mm	12	1.18

Preferred diameter shown in bold. Other engineering materials can be sprayed. All figures are approximate.

