

# Metallisation Arcspray 145/S345-CL

Thermal spray equipment and consumables



**CLOSED-LOOP CURRENT CONTROL**

The new Metallisation Arc145/S345-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 350A, 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 350A 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 medium and large scale thermal spray applications, producing quality, fine surface finish coatings.

- New S345(16) sealed energiser = reliability
- Closed-loop current = simplicity / reliability
- Uses wires from 1.6mm to 2.5mm
- 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:

- Structural steelwork
- Offshore/oil & gas
- Shipbuilding/marine
- Bridges (concrete and steel)
- Vessels and enclosures
- Wind turbine towers
- Fences / gates
- Engineering bond coats
- Wear coatings
- Bearing and seal surfaces
- Boiler corrosion coatings

Material	Reference	Wire Diameter*	Maximum Throughput kg/hr (@ 350A)	Maximum Coverage m <sup>2</sup> /kg/100µm
Zinc	02E	2.0mm <b>2.3mm</b>	36@350A	0.82
Aluminium & Alloys	01E/17E/25E	2.0mm <b>2.3mm</b>	8.5@350A	2.88
Zinc/Aluminium 85/15	21E	2.0mm <b>2.3mm</b>	31@350A	1.00
Copper	05E	<b>1.6mm</b>	15@300A	0.91
Nickel Aluminium	75E	<b>1.6mm</b>	16.4@300A	1.09
Steels	30E, 35E, 45E, 55E, 57E, 60E, 65E, 80E, 84E	<b>1.6mm</b>	13.6@300A	1.02
Cored Wire	103T	<b>1.6mm</b>	14.4@300A	1.18

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

