

Metallisation Arcspray 140/S350-CL

Thermal spray equipment and consumables



CLOSED-LOOP CURRENT CONTROL

The latest generation Metallisation Arc140/S350-CL with closed loop current control is a unique blend of ability and innovation. We've taken our proven performer, the Arc140 pistol and electric drive system, and coupled it to a brand new 350 amp, switched voltage energiser. The S350-CL energiser now has closed loop current control for ease of operation and protection from overcurrent. It also features sealed electronics and PLC control for excellent reliability in the harshest of spray environments. The design also allows for multiple, customer specific packaging options for wire drive and dispensing requirements. There is no motor in the pistol. Instead, the Arc 140/S350-CL uses our patented 'Synchrodrive' system, where a single, sealed motor and flexible drive arrangement, powers a reliable, positive drive push/pull up to a length of 20m. This results in a long reach and lightweight flexibility of the pistol and supplies – and more comfortable and productive working conditions for the operator.

- New S350-CL 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 workshops
- MIG, coil 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

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

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

