

Metallisation Arcspray 528E-ICC

Thermal spray equipment and consumables



CLOSED LOOP CURRENT CONTROL

The Metallisation Arc528E-ICC offers the **ultimate in reliability and precision for demanding production applications**, including anti-corrosion and engineering coatings. Wire drive is supplied at the heavy-duty pistol by a highly accurate, powerful DC servo motor, through a robust gearbox and drive roller system. The high-performance pistol incorporates proven Metallisation technology, including a unique, constant geometry (CG) head. This ensures smooth and consistent spray quality and minimal downtime when changing consumable spares. Supreme flexibility is also a keynote of the Arc528E. The long-serving Arc528E pistol is connected to a new range of PLC controlled 250A and 350A switched voltage energisers. The PLC offers reliability and easier maintainability and links to control electronics with closed loop current control, built in to the sealed section of the energiser. The system is easily integrated to production lines if required.

- New S250 and S350 sealed energisers
- Closed Loop Current = simplicity / reliability
- Inbuilt pistol control system
- Integrates to production machinery
- Safety interlocks
- Anti-corrosion and engineering wires
- Easy to maintain = lower downtime
- Uses wires 1.2mm to 3.17mm
- Quick release supplies option for fast pistol changeover
- Wire dispense from reels, coils or drums

Typical Applications:

- ERW tube weld seam repair
- LPG cylinder spraying
- Capacitor spraying
- Multivoid aluminium tube
- Paper mill rolls
- Railway tracks
- Subsea riser pipes
- Pantograph brushes
- Steel vessels
- Non-stick cookware
- Steel reinforcing bars
- Construction Piles

Material	Reference	Wire Diameter	Throughput kgs/hr	Maximum Coverage m ² /kg/100µm
Zinc	For tube mills 02E	1.6mm	20.5 (200A max)	0.82
		2.0mm	26.0 (36)	
		2.3mm		
Aluminium & Alloys	01E/17E/25E	1.6 mm	6.0 (8.5)	2.88
		2.0mm		
		2.3mm		
Zinc/Aluminium 85/15	21E	2.0mm	22.0 (31)	1.00
		2.3mm		
Copper	05E	1.6mm	12.5	0.91
Steels	30E/35E/45E/55E 57E/60E/65E/80E/84E	1.6mm	11.4	1.02
		2.3mm		
Nickel Aluminium	75E	1.6mm	13.6	1.09

Throughput based on 250amp spraying current (350amp spray rates in brackets). All figures are approximate.

