Metallisation Arcspray 528E-ICC

Thermal spray equipment and consumables

High Throughput

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-ICC. The high throughput version of the Arc528E pistol is connected to a new PLC controlled 700A switched voltage energiser. 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 S700 sealed energiser
- 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 2.3mm to 4.76mm
- Quick release supplies option for fast pistol changeover
- Wire dispense from reels, coils or drums

Typical Applications:

- Ductile Iron Pipes
- LPG cylinder spraying
- Paper mill rolls
- Railway tracks
- Subsea riser pipes
- Construction Piles

Material/ Spray current	Reference	Wire Diameter	Throughput kgs/hr	Maximum Coverage $m^2/kg/100\mu m$
Zinc (700 amps)	02E	3.17mm (1/8")	*72*	0.82
Aluminium & Alloys (700 amps)	01E/17E/25E	3.17mm (1/8")	*19*	2.88
Zinc/Aluminium 85/15 (700 amps)	21E	3.17mm (1/8")	*62*	1.00
13% chrome steel (700 amps)	60E	2.3mm	*39*	1.02
18/8 stainless steel (700 amps)	80E	2.3mm	*48*	1.02
Ichrome one step wire (500 amps)	79E	2.3mm	*26*	1.11

All figures are approximate.