

# Metallisation Arcspray 701/S700(16)

Thermal spray equipment and consumables



**CLOSED-LOOP CURRENT CONTROL**

The latest generation Metallisation Arc701/S700(16) with closed loop current control is a unique blend of ability and innovation. It brings together the proven performance of our Arc700 pistol plus the latest technological advances. The new S700(16) energiser still gives high spray rates for reduced spraying times over large areas and still 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 and high specification digital meters. The drive unit is still robust, ensuring supreme reliability in the most arduous of site conditions. The lightweight, hand-held 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. Various packaging options, including an extended site trolley, allow the energiser to be sited up to 25m from the pistol spraying area. Alternatively, the drive unit can be mounted neatly on the energiser, leaving it free to swivel and follow the operator when spraying.

- New S700(16) sealed energiser = reliability
- Closed-loop current = simplicity / reliability
- Uses wires from 2.3mm to 3.17mm
- Push system
- Drive to pistol distance = 5m
- Energiser to pistol distance up to 25m
- Lightweight pistol
- Easy to maintain = lower downtime
- High throughput – less spray time
- Robust design = greater reliability
- Wire dispense from reels, coils or drums
- Designed and suited for anti-corrosion applications

### Typical Applications:

- Structural steelwork
- Offshore/oil & gas
- Shipbuilding/marine
- Bridges (concrete and steel)
- Vessels and enclosures
- Wind turbine towers
- Steel reinforcing bars
- Large anti-corrosion

Material	Reference	Wire Diameter	Throughput kgs/hr	Maximum Coverage m <sup>2</sup> /kg/100µm
Zinc	02E	2.3mm	72	0.82
		<b>3.17mm (1/8")</b>		
Aluminium & Alloys	01E/17E/25E	2.3mm	21	2.88
		<b>3.17mm (1/8")</b>		
Zinc/Aluminium 85/15	21E	2.3mm	62	1.00
		<b>3.17mm (1/8")</b>		



Maximum throughput at 700 amps for 3.17mm wire. All figures are approximate.