



Twin Wire Arc Spray Technology

EuTronic® Arc Spray 4 HFH



- For applying abrasion and corrosion resistant cold arc sprayed coatings
- Continuous operation at 350 amps for high productivity
- Reliable Push Pull system for spraying in all positions
- Double grooved feed rollers and air cooled tips for extended service life

EuTronic Arc Spray 4 HFH

EuTronic Arc is a metalizing process that uses a pair of wires which are melted by an electric arc with a temperature near 9000°F. The molten material is atomized by compressed gas – most often air – and propelled towards the workpiece at velocities exceeding 300 feet per second to form a dense coating. This combination of high temperature and particle velocities gives arc sprayed coatings superior bond strengths and low porosity levels. Twin Wire Arc Spray technology is a “cold process” as the substrate temperature can be kept low during spraying avoiding metallurgical changes and distortion within the workpiece. Low running costs, high spray rates and efficiency make it the highest productivity and most economical thermal spraying process.

Benefits when compared with conventional welding:

- Most substrate types can be coated
- Low pre-heating and no post heat treatment requirements
- “Cold Process” - no thermal distortion of the substrate
- No dilution of the coating
- Fastest coating speeds
- Better control over deposit thickness reducing machining time and material costs

EuTronic® Arc Spray Wires

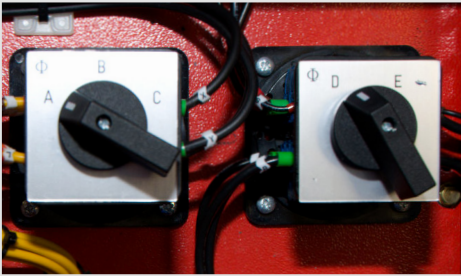
EuTronic Arc Wires are unique, specially formulated for Arc Spraying to provide heavy industry with wear and corrosion protection solutions. The EuTronic Arc Spray 4 HFH system is designed to spray solid and cored wires for many different applications. Spray rates from 17.5 to 79 lb/hr can be achieved depending on the sprayed alloy.

System 4 HFH Benefits:

- Sealed 350 amp power source for reliability
- Air cooled cables for low weight
- Excellent gun maneuverability
- 15 ft. supply package standard. Optional 30 ft. , 60 ft.
- Steel reinforced, PTFE lined wire conduits
- Reliable and easy to maintain for lower operating costs
- 1.6 mm wires standard. From 2.0 mm to 2.5 mm optional
- Wire spool, coil and drum feeder options
- Double grooved feed rollers can be reversed for improved wear life
- Standard input voltage 220V or 380V or 440V or 460V

Typical Applications:

- Wear Protection
- Coatings
- Bridges - Concrete and Steel
- Cement Works
- Engineering Bond Coats
- Waste and Recycling
- Shipbuilding - Marine
- Mining
- Offshore - Oil & Gas
- Pulp and Paper
- Steel Works
- Structural Steelwork
- Fences
- Wind Turbine Towers
- Vessels and Enclosures
- Thermal Power Plants



Optional SIV:

Allowing input voltage between 208V - 460V.

Supply Packages:

The supply packages consist of cables and conduits available in 15, 30 and 60 ft. lengths.

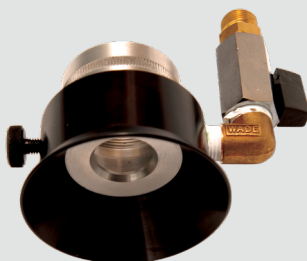


Optional Remote Control:

The 16 ft. remote control allows remote operation of the system with robust design for use on semi-automatic installations. The remote control buttons and switch mimic those of the gun.

Optional Arc Spray Extension Neck:

The extension neck enables access to awkward areas such as deep bores with a minimum diameter of 3". It allows for spraying either straight ahead or at an angle and for applications using power up to 200 amps. It is available in 3 different lengths 19.5", 39.5" and 59".



Optional ArcJet:

The ArcJet fits on the gun to inject air in front of the nozzle. This constricts the spray pattern, thus reducing overspray and allowing more confined areas to be sprayed. Significant improvements in deposit efficiency can be made using the ArcJet, especially on small diameter components.

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