







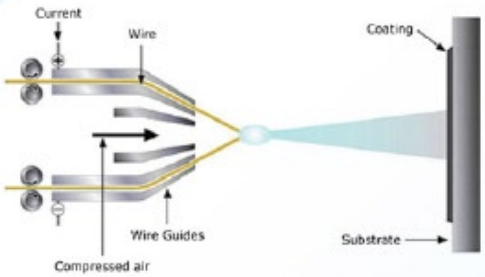


TWIN WIRE
ARC SPRAY SYSTEM
PULL TYPE

Model : PTSARC600

WHAT IS
ARC SPRAY?

The Arc Spraying process involves melting of two like or unlike wires (Coating material) in an arc and accelerating them toward the prepared work surface by means of an atomizing gas such as compressed air. Arc spraying is a high-performance wire spraying process. But the coating material must be electrically conductive. Applications include large area-coating of vessels, anticorrosion coating & so forth.



COMPLETE SYSTEM

We offer complete arc spray as below :-

1. Arc spray gun (Pneumatic Drive/Electric Drive)
2. Power cable 05 mtr. = 02 no.
3. Air hose 05 mtr. = 02 no.
4. Wire protective tube 03 mtr. = 02 no.
5. Remote control
6. Control Panel with Spool Stand
7. Manual/service book
8. Tool kit
9. Set of Spares



ARC Spray Gun



Control Panel



Power Cable



Wire Cable

KEY FEATURES
OF OUR ARC SPRAY SYSTEM

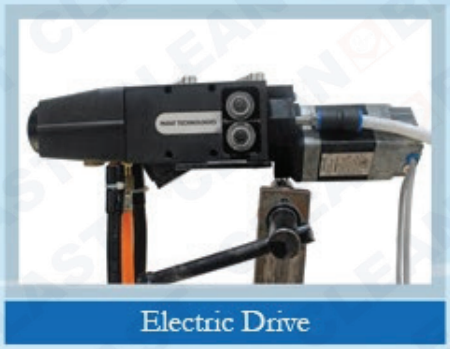
- PLC Controlled
- Compact Design suitable for on-site & in shop coating applications
- CE Certified
- Interlocks for safe operation
- On-built spool stand option
- Can be used for Push-Pull unit
- Temperature sensor provided
- Timer provided to schedule maintenance & operating cost calculation

WHAT IS DIFFERENCE BETWEEN

PNEUMATIC DRIVE & ELECTRIC DRIVE ARC SPRAY?



Pneumatic Drive



Electric Drive

- Pneumatic Drive arc spray controls the feed rate of wire from pneumatic motor fitted on the spray gun
- In pneumatic drive arc spray feed rate of wire is increased & decreased by increasing and decreasing the air pressure to the pneumatic motor
- Electric Drive arc spray controls the feed rate of wire from electric DC motor fitted on the spray gun
- In electric drive arc spray feed rate of wire is increased & decreased by rotating the drive knob given on the control console
- Due to extra weight of electric motor electric drive is mostly suggested for machine mounted spray works whereas since pneumatic drive gun is comparatively lighter & it is suggested for coating works by hand
- Weight of electric drive spray gun is 4.8 kg, weight of pneumatic drive spray gun is 3.5 kg (these weight are without any hoses or cables)

SYSTEM SPECIFICATION

Specification	**600 AMP**
Arc Spray System	**600 AMP**
Power Requirement	**25 kW**
Input Supply	**415/3P/50-60hz**
High Velocity	**Yes**
Wire Dia.	**2.0 - 3.17 mm**
Weight	**492 lbs**
Wire Feeding	**Both Electric & Pneumatic drive**

WIRE ARC SPRAY COATING APPLICATIONS

Wire	Average Hardness	AS Sprayed Finish (Ra)	Application Areas	Parts
Nickel Alloys	20 Rc Variable	200-350	Bond coat, Inconel, Monel and other Ni alloys work	General repair coating, corrosion applications, etc.
Chrome Steel Alloy	62 Rc	300-500	Heavy build up and wear resistance	Bearing journals, Crankshaft journals, general wear apps.
Stainless Alloys	30-60 Rc	140-180	Wear with corrosion	Pump components, chemical industry parts.
Carbide Alloys	70 Rc	150-500	Hard-coatings with heavy build up	Mixer blades, Fan blades, Granulators, Feed rolls, etc.
Copper Alloys, Brass, Bronze	Rb Scale Hardness	Average 250	Rebuild non-ferrous alloy surfaces.	Pump impellers, print rollers, bronze bearing areas, etc.
Aluminium & Zinc	Low Rb	200-400	Corrosion protection	Exceed galvanizing specs


Boiler Tubes


Oil & Gas


Offshore Structures


Shaft Rebuilding


Crank Shaft


Pump Parts