



11ED ELECTRIC DRIVE WIRE FLAME SPRAY GUN

Suitable for spraying of soft wires such as Aluminium, Zinc, Lead Tin, Babbitt of size 11G, 15G, 1.6mm, 2mm, 2.5mm, 3.17mm

11ED ELECTRIC DRIVE FLAME SPRAY GUN

Metal Coat 11ED Wire Flame Spray Gun is a DC Motor powered Wire Flame Spray gun engineered after years of our experience and research in thermal spray. This is the best in the class gun for spraying soft wires such as aluminium, zinc, lead, tin, babbitt, etc. The 11ED Wire Flame Spray Gun has minimum parts with maximum ease of maintenance. The DC motor provides a constant wire feed rate, which results in great quality wire flame spray coatings.

Wire feed rollers are placed in the transparent box, which allows easy viewing of the wire feed unit. This box can be easily opened without any tool to remove the wire chips or any dirt which may accumulate after spraying.



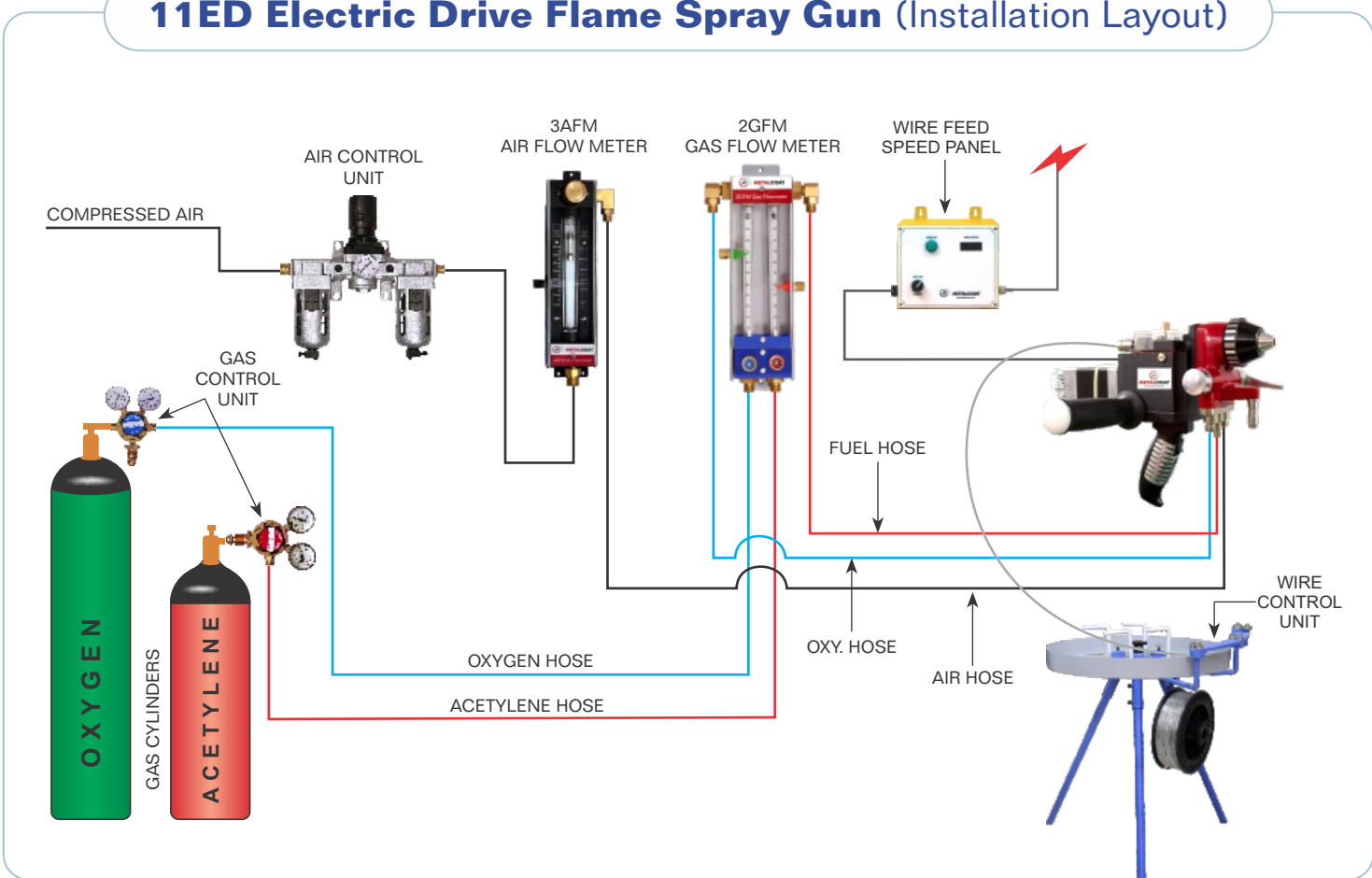
SPECIAL FEATURES

- Wire size can be very easily changed just by replacing with the new nozzle and siphon plug.
- Minimal maintenance is required for its operation.
- A detachable side handle is provided to ease the hand working if required. It can be placed on either side of the gun according to the operator's requirement.
- Wire feed on/off switch is given on the handle for easy operation.
- DC Motor ensures constant wire feed for better coatings.

SPECIFICATION

Operation	Manual
Wire Feed	DC Motor
Wire Size Optional	11G, 15G, 1.6mm, 2mm, 2.5mm
Gases Used	Oxygen and Fuel Gas
Fuel Gas	Acetylene or LPG / Propane etc.
Compressed Air	35 CFM at 75 psi (5 bar)
Net Weight	Approx. 4.6 Kg. (Gun Only)

11ED Electric Drive Flame Spray Gun (Installation Layout)



OPTIONAL ACCESSORIES

Gas Control Unit

Consist of Gas Regulator with pressure gauge for regulating gas flow to wire Flame Spray Gun. It has two pressure gauge to indicate cylinder and delivery pressure.



Pressure Rating:	Oxygen	: 10 Bar
	LPG/Propane	: 06 Bar
	Acetylene	: 2.5 Bar

Air Control Unit

Consist of air filter cum regulator for secondary filtration and regulating air flow to wire flame spray gun.



Pressure Rating: 10 Bar

Hose Kit

Consist of hoses to connect oxygen cylinder & fuel gas cylinder with gas flow meter to spray gun.



Oxygen Hose	- Blue	: 3+7 Mtrs.
Fuel Gas Hose	- Red	: 3+7 Mtrs.
Air Hose	- Black	: 7 Mtrs.

Air Flow Meter

The 3AFM Air Flow Meter is a highly accurate, rugged and reliable instrument for regulating and measuring the flow of compressed air in a manual powder or wire combustion spray system.



Model: 3AFM (Air Flow Meter)
Flow Unit in both NLPM & SCFM

Gas Flow Meter

These precision wall mounting Flowmeters are recommended to use with Flame Spray Equipment. Ease of reading enables economic operation and rapid fault diagnosis. The unit incorporates separate flowmeter for both Oxygen and Fuel Gas supplies.



Model: 3GFM (Gas Flow Meter)
Flow Unit in both NLPM & SCFM

Model: 2GFM (Gas Flow Meter)
Supply with % scale of 0 - 100

Wire Control Unit

The Wire Reel Stand with Straightner is specifically designed to dispense wires for flame spraying. A wire straightener is included and the unit is capable of handling either reeled or loose coiled wire or spool.



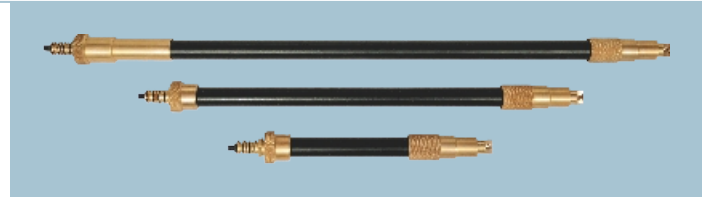
OPTIONAL ACCESSORIES

Extension Nozzles

Where deep bores or recesses are to be sprayed, a range of extension nozzles are available. These allow access of the spray at depths upto 1.1 Mtr., whilst straight or deflector air caps can be selected to direct the spray stream to the area required.

Typical use include spraying in internal diameter or hard to reach coating surfaces. For ID coatings, a minimum ID measurement of approximately 8 inches is required to achieve optimal coating quality.

Installation is simple by removing the standard Air Cap Body and Siphon plug and replacing it with the extension. This can be done in about 1-2 minutes without any tools. These are available in various lengths for both Oxy-Acetylene and Oxy-Propane Gun.



Length: 6 INCH / 1 FOOT / 2 FEET / 3 FEET

Spray Booth

It is used for controlling sprayed dust and fumes when metallizing operation takes place. It carries away metal dust particles as well as heat. Duct work has adjustable pipe length as well as ball joint to fit individual requirement. Reclaimed materials also have a resale value.

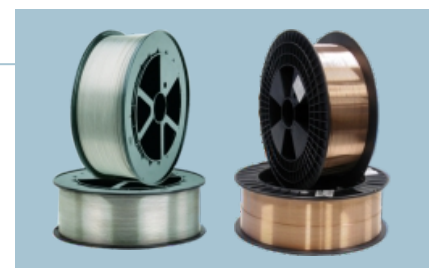


Applications of Various Metal Coatings

- Zinc & Aluminum for anti corrosion coating.
- Ni/Al composite wire for bond coats & self bonding coatings.
- Molybdenum for bond coating.
- Molybdenum for hard bearing applications, excellent resistance to adhesive wear, often used on piston rings, synchromesh cones & journals.
- High-chromium steel for hard & wear resistance coating.
- Bronze, babbitt for bearing applications.
- Stainless steel, nickel and monel for anti corrosion and wear.
- Al & Ni/Al for wear and oxidation resistance.

Metal Spray Wire

Standard materials wires such as Aluminium, Aluminium Alloy, Tin, Tin Alloy, Nickel, Nickel Alloy, Zinc, Stainless Steel, Brass, Molybdenum, Monel, Copper & many more are available.



SAFETY WEARS

Metallizing Helmet

It is light weight & comfortable with excellent vision. Air to the helmet is supplied from the helmet air conditioner followed by air breather.



Air Breather

This is installed in between compressed air line originating from fitting to the operators helmets. Activated charcoal is contained in the breather unit which separates the oil traces from the compressed air and clean compressed air is fed to the operator's helmet.



Helmet Air Conditioner

Air from the air breather is fed to the helmet air conditioner and air is contained before it is fed to the helmet for breathing. It has also a regulator knob so that the operator can regulate the temperature of air fed to the helmet. It is self driven and does not need external power.



Ear Muff

Operator & other personnel close to the spray operation must wear. It protects the operator from noise originating during thermal spray.



Protective Glass

Light weight & comfortable with excellent vision. Operator & other personnel close to the spray operation must wear.



Operator Safety Mask

Ensure clean breathing air at all times.



Hand Gloves

These are made of rubber and have anti-static properties. Hand gloves protect the operators' hand against flying abrasive and static charge if any.



OTHER PRODUCT RANGE & CONSUMABLES



11M
WIRE FLAME SPRAY GUN



14M
WIRE FLAME SPRAY GUN



5KM
WIRE FLAME SPRAY GUN



100AD (AIR DRIVE)
ARC SPRAY GUN



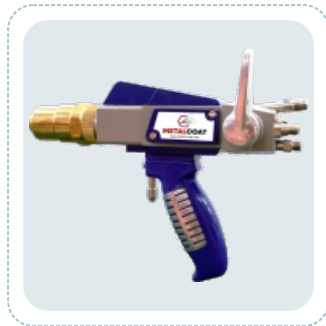
101AC (DC DRIVE)
ARC SPRAY GUN



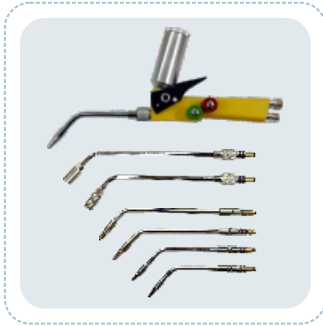
102DC (DC DRIVE)
ARC SPRAY GUN



5PM-II
POWDER FLAME SPRAY GUN



6PM-II
POWDER FLAME SPRAY GUN



MST-100
SPRAY & FUSE GUN



POWDER FEEDER
MPF-700 & MPF 3350



SPRAY BOOTH



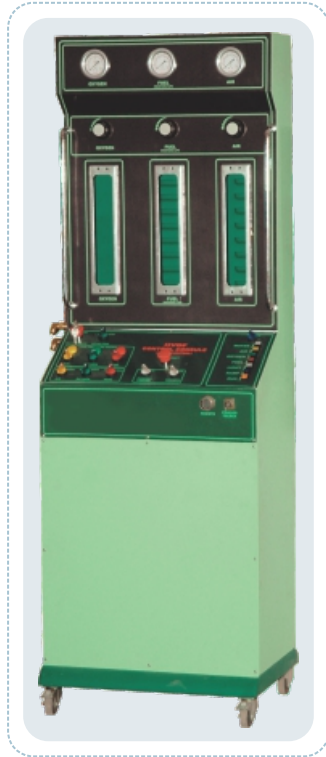
WIRES



POWDER



TURN TABLE



**HVOF
CONTROL CONSOLE**



H.O. & Works:

METAL COAT



B-43, 44, 45, 46, Industrial Estate
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