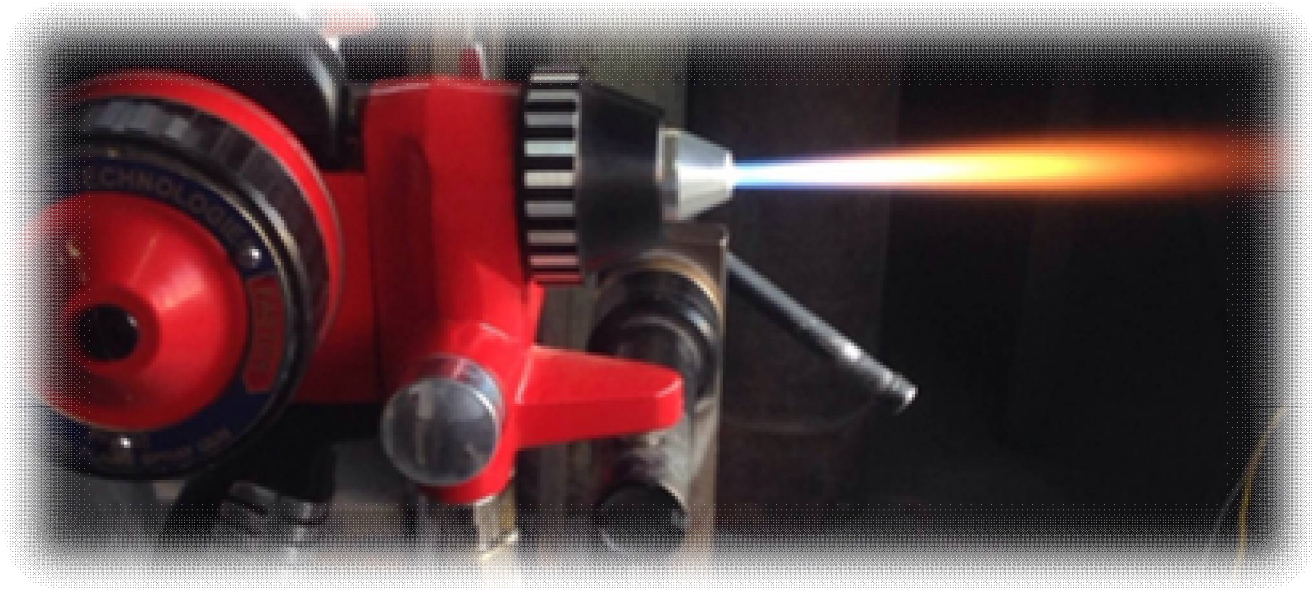




# PARAT TECHNOLOGIES

Thermal Spray Equipment | Surface Engineering Solutions  
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Website : [www.parattech.com](http://www.parattech.com)

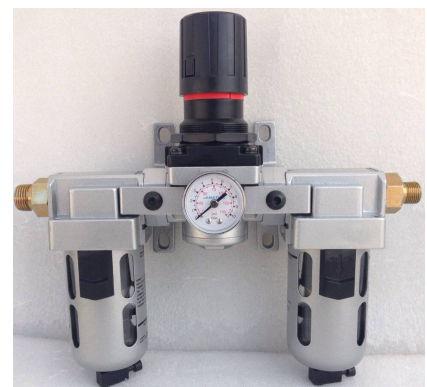
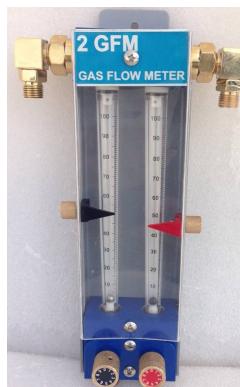
## COMBUSTION WIRE SPRAY TYPE GUN



11P/12P/14P Guns are facilitated with pneumatic wire feeding mechanism. These models are suitable for all types of metal spray coating applications mainly anti-corrosion & some of the anti-wear applications.

Basic fundamental of **wire flame spray** is metal wire is fed into spray gun from its back through rear wire guide, by the

same time oxygen, fuel & compressed air are supplied into spray gun, oxygen & fuel mixture are responsible for combustion & compressed air takes care of wire feeding & movement of molten droplets of metal wire from gun to the prepared work surface which results into a coating layer.



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Wire Arc Spray | Flame Spray | HVOF | Plasma Spray | Thermal Spray Wires | Thermal Spray Powders

# PARAT TECHNOLOGIES

WIRE	DIAMETER	WIRE FEEDING	GASES USED
<b>11P Model</b>			
Zinc/Babbitt/Tin	1.6/2.3/3.17 mm	Pneumatic	Oxygen, Acetylene/ Propane/LPG
<b>12P/14P Model</b>			
Zinc, Aluminium, Copper, Brass, Bronze, Stainless Steel, Molybdenum etc.	1.6/2.3/3.17/4. 20 mm	Pneumatic	Oxygen, Acetylene/ Propane/LPG
<b>12P ED Model</b>			
Zinc, Aluminium, Copper, Brass, Bronze, Stainless Steel, Molybdenum etc.	1.6/2.3/3.17/4. 20 mm	Electric AC Motor	Oxygen, Acetylene/ Propane/LPG

S. NO.	EQUIPMENT	DETAILS
01	11P MODEL	<ul style="list-style-type: none"> <li>• 3.2 mm &amp; 4.8 mm soft wire (babbitt, tin, zinc etc.)</li> <li>• Non load air cap</li> <li>• Stepped down drive rolls</li> <li>• High speed gear</li> <li>• Speed rate of wire—1.5—14 m/min</li> </ul>
02	12P MODEL	<ul style="list-style-type: none"> <li>• 3.2 mm Wire</li> <li>• Optional hardware available for wire size ranging from 4.8 mm to 15 gauge</li> <li>• Standard fuel gas—Acetylene</li> <li>• Other fuel gas –Propane</li> <li>• Speed rate of wire—0.6-4.6 m/min</li> </ul>
03	14P MODEL	<ul style="list-style-type: none"> <li>• 3.2 mm &amp; 4.8 mm soft wire (babbitt, tin, zinc etc.)</li> <li>• Non load air cap</li> <li>• Stepped down drive rolls</li> <li>• High speed gear</li> <li>• Speed rate of wire—1.5—14 m/min</li> <li>• Wire on/off with trigger</li> </ul>

*\*Color & shape of actual products may vary from pictures shown in this catalogue*

# PARAT TECHNOLOGIES

## SYSTEM CONSISTS OF :-

- Spray Gun
- Gas Flowmeter
- Gas Control Unit
- Air Control Unit
- Wire Reel Stand
- Hose Unit

### **GAS CONTROL UNIT**

Multi stage unit provides control and regulation of high pressure fuel gas and oxygen supply. It has two gauges one to indicate cylinder pressure and other for delivery pressure.

### **GAS FLOWMETER (2GF/3GF TYPE)**

Provides an accurate regulation of flow of Oxygen & Fuel gas. It detects leak or restriction in gas supply, eliminates human errors in setting proper flame.

## OPTIONAL :-

- Extension Nozzle
- Trolley with Reel Stand
- Coating Thickness Gauge

### **AIR CONTROL UNIT**

Controls air pressure & filters air from oil vapor & moisture. An additional outlet is provided for operator's helmet if needed

### **WIRE REEL STAND**

It holds metallizing wire which is in the form of standard coil and feed it to the gun properly by removing kinks & bends

### **HOSE UNIT**

Consists of blue hose for oxygen, black hose for air, and one red hose for fuel gas (all 7.5mtr. long)

## PACKING



Shipping Volume :- L = 42 x W = 37 x H = 20 cm<sup>3</sup>



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