

PPS 5K

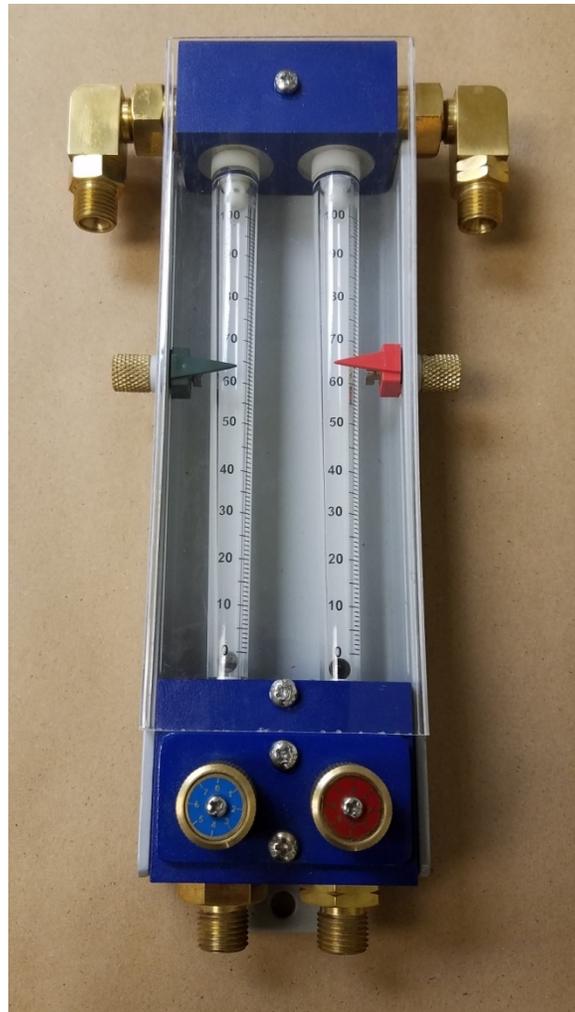
Electric Drive Combustion Wire Spray Gun

The Plasma Powders **PPS-5K** wire metalizing gun system components:

PPS 2GF Gas Flowmeter:

The 2GF allows the operator to easily monitor and maintain gas flows. Proper flows are crucial in order to heat and atomize wire material and help prevent overheating the equipment.

When adjusted to values found in the WireJet spray tables, users will achieve maximum bond strength, optimal coating quality and waste control.



PPS 3AF Air Flowmeter:

The 3AF, like the 2GF, allows proper control of air flow to the torch. This unit is used between the AT-100-3/8 Air Trio and torch.

WireJet torches use compressed air to power the internal air turbine. The turbine turns the drive roll gears, pulling wire into the torch. Air also cools the front end and helps propel the melted material out of the torch.

Air must be clean and dry and set to the proper pressure.



PPS AT-100-3/8 Air Trio:

Compressed air is fed into the air trio where it is filtered, then regulated to the required pressure. Air is then cleaned and dried again in the second filter, then onto the Air Flowmeter and torch.

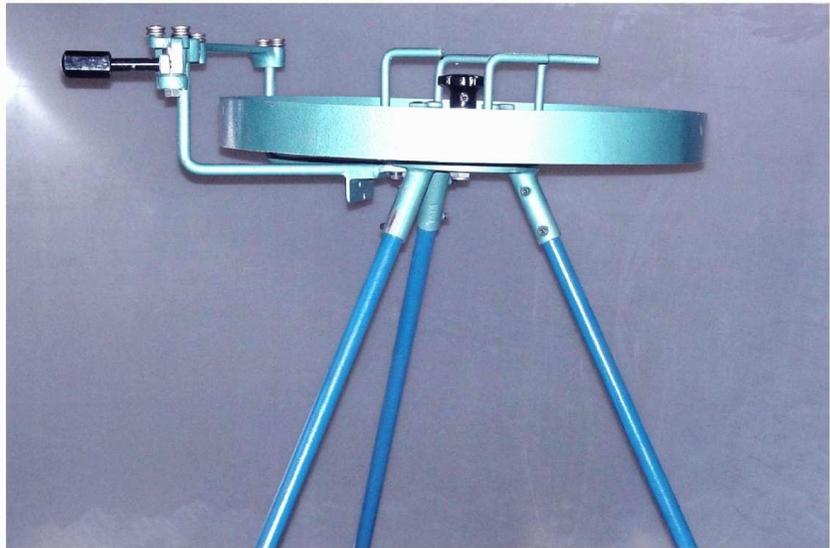
A secondary output slide valve can be used for aux. air needs like part cleaning.



PPS Heavy Duty Wirestand:

Whether your material is in open coils or on single spools, the heavy duty wirestand helps maintain steady wire feed.

The built in wire straightener reduces wear on internal gears in the torch and eliminates feed issues due to bends and wire arc.



PPS 5K Extensions:



All of the combustion wire guns offered by Plasma Powders can be equipped with spray extension nozzles. The extensions come in 6", 1, 2 or 3 foot lengths, can be fitted with angular or straight spray air caps and use our standard nozzles.

Typical uses are 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 with the extension. This can be done in about 1 - 2 minutes without tools.

Available for both Oxy-Acetylene and Oxy-Propane torches with standard or high speed gears.

See it on youtube: [WireJet-Extensions](#)

PPS 5K Torch:



The PPS-5K heavy duty, production grade combustion wire torch is designed for machine mounted operation. This unit can spray any wire made for Thermal Spray from soft, low-melt point materials such as Zinc or Babbitt to Stainless or Moly steel. Parts are easily changed for multiple wire diameters.

Two sets of gears provide standard or high spray rates. Internal diameter or hard to reach coatings are easy with the available 1, 2 or 3 foot extensions that simply screw on to the front end. Multiple hardware sets (nozzles, air caps etc.) allow users to spray precision coatings for a variety of applications. Typical use is tube mill line applications where combustion torches often coat with better deposit efficiency over Arc systems, especially when using small diameter, soft wires.

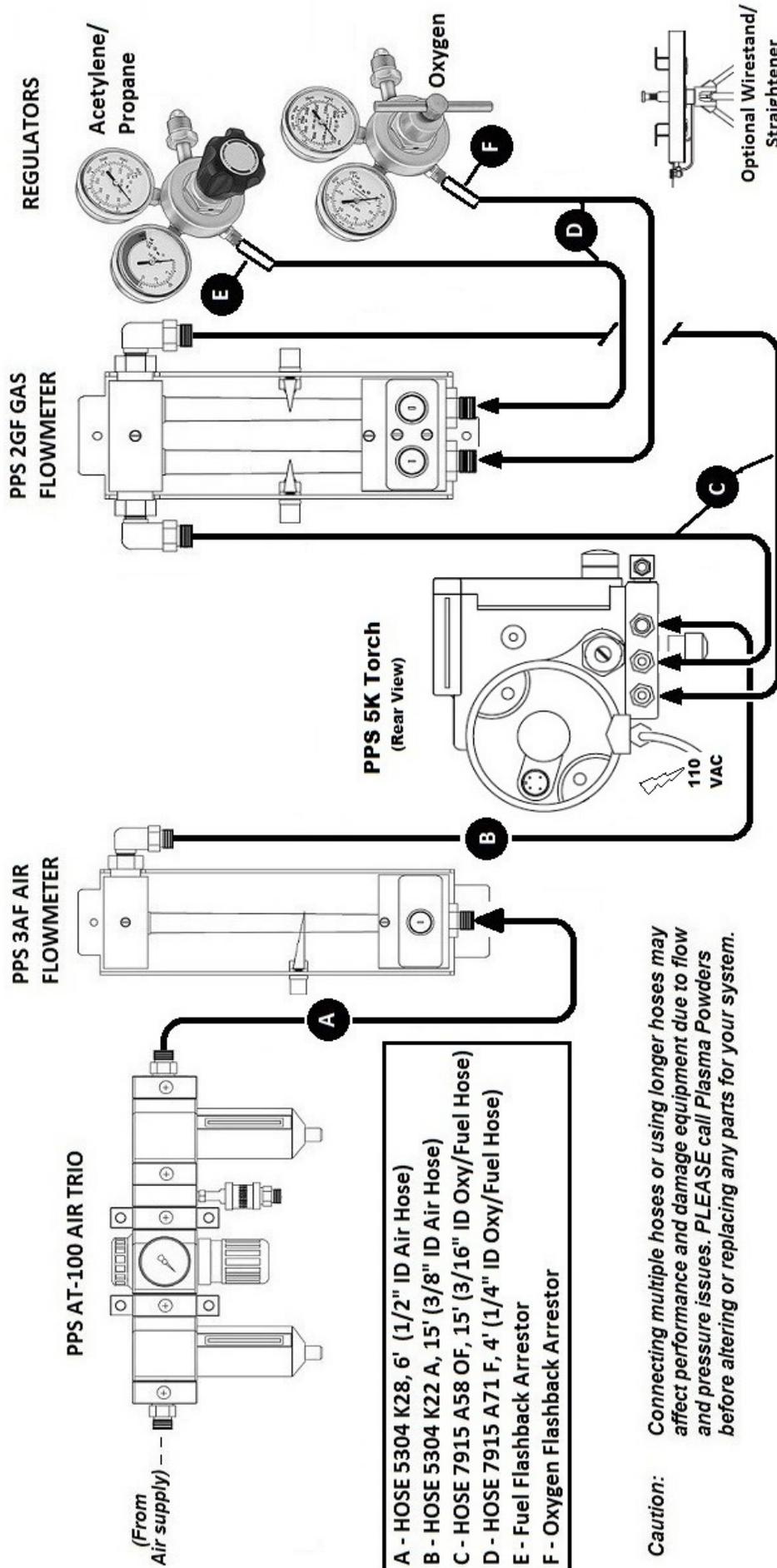
Powered by a lightweight, DC 110V 1P electric motor with compressed air and Oxy/Acetylene or Oxy/Propane. Multiple hose set lengths and a durable wire speed controller make installation and remote operation easy.

System flow diagram:



Plasma Powders & Systems, Inc.
PPS-5K

Connection Diagram



Caution: Connecting multiple hoses or using longer hoses may affect performance and damage equipment due to flow and pressure issues. PLEASE call Plasma Powders before altering or replacing any parts for your system.