



POWDERJET 86

Combustion Powder Spray Gun

The Plasma Powders **PowderJet 86** powder metalizing gun system components:

PPS 2GF Gas Flowmeter:

The 2GF Gas Flowmeter allows the operator to easily set, maintain and monitor gas flows. Proper flows are crucial to combustion fuel coating applications. Ease of lighting, spray rates, coating quality and equipment health are all dependent on the Oxygen, Fuel and Air levels passing into the torch.

When adjusted to proper values, users will achieve proper bond strength, optimal coating quality and waste control. As well as keeping your consumable parts in good condition.



PPS AT-100 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 torch.

An available, regulated secondary output slide valve can be used for auxiliary air needs like part cooling or cleaning.





PPS Powder Jet Extensions:

All the combustion powder guns offered by Plasma Powders can be equipped with spray extension nozzles. The extensions come in 1- or 2-foot lengths, can be fitted with 80 or 45° angular gas heads. Typical uses are internal diameter or hard to reach coating surfaces.

Installation is simple by removing the standard Air Cap Body and Siphon plug and replacing them with the extension. This can be done in about 1 - 2 minutes without tools.



86-EXT-1 Complete 1' Unit
86-EXT-2 Complete 2' Unit

PPS 2PSA Air Jet:

The PPS-2PSA Air Jet connects directly to the PowderJet 86 Air Cap Body. Thumb screws provide for easy, pin-point adjustment of the Air Jets. The unit connects to the PPS-AT-100 Air Trio using only an additional air hose and can be used with or without the standard cooling air option in the torch.

PPS-2PSA is required for most ceramic powder spray...





Powder Feeder: PF-2855-SB

The PF-2855-SB Powder Feeder delivers precision powder feed rates to the Torch. Powder feed rates vary based on the size of the holes in the rotating powder disk at the bottom of the hopper, the rotation speed of the disk and the pressure and flow of nitrogen carrier gas.

Unlike the gravity fed Powder Jet 85, the Powder Jet 86 can operate at any angle and has a much larger capacity for powder materials making it the tool of choice for large/high production facilities.

Powder feed start/stop operation can be selected via the housing control panel or remotely via integration with existing process controls or a convenient torch handle mounted switch.

Other model Powder Feeders are available along with a portable rolling cart.

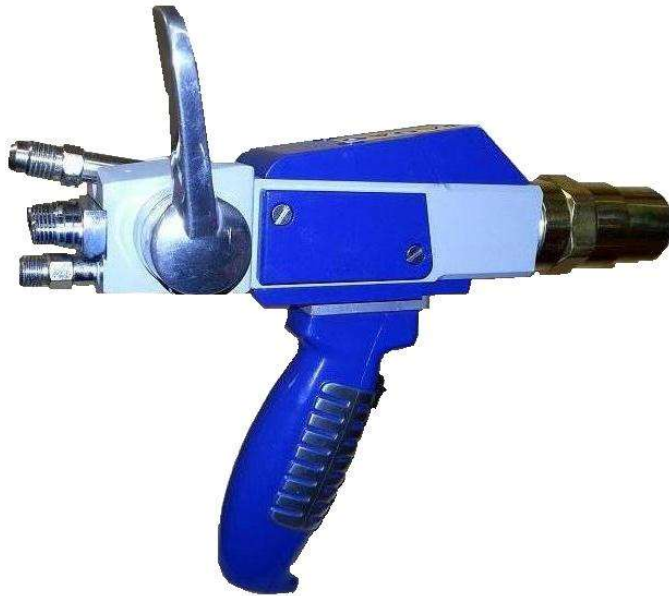




Powder Jet 86 Torch:

The lightweight and durable Powder Jet 86 combustion powder torch can be used hand-held or machine mounted. This unit sprays pure, alloyed or ceramic powders.

Powder Jet 86 incorporates a separate, pressurized powder feeder to supply consistent powder flow to the torch. Multiple hardware options and accessories provide all of the tools needed to apply quality combustion powder metalized coatings.



System flow diagram:

