

### 2007MF-PF POWDER FEEDER



The design of the Metallisation 2007MF-PF powder feeder produces a consistent, repeatable and non-pulsing flow of powder to the plasma pistol. This design of feeder ensures flowability of powders over a wide range of particle sizes.

The powder hopper consists of a rotating disk, of which there are two options. The powder is conveyed from the powder hopper into the groove / holes in the disk, where it is evenly deposited by the tamper unit.

All parameters of the feeder (RPM of disk, Carrier Gas flow) are presented on the green LED Displays mounted on the front of the powder feeder. This information can also be supplied to a Siemens MPI Interface unit.

The control of the powder feeder can either be from a Siemens MPI Interface unit or on the powder feeder it's self. The carrier gas is massflowmeter controlled, for supreme accuracy, with the disk's rpm being controlled through an AC inverter.

Canister Capacity: -	2750cc
Powder Feeder Weight: -	40Kg
Electrical Supply:-	220V /110V      1Ph
Dimensions:-	D 400 x W 400 x H 700mm

## Technical overview

- ✦ Mass flow control of carrier gas = repeatability
- ✦ Volumetric feed via hopper and rotating disc design
- ✦ Two disc variants to allow optimum feeding of a wide range of powders
- ✦ Parameters are displayed on the powder feeder and also relayed to a Siemens MPI interface unit for display and logging
- ✦ Contains PLC for control and integration to a Siemens MPI Interface unit
- ✦ Feed disc rotational speed is controlled via a closed loop AC inverter for improved feeding accuracy
- ✦ Control can either be via a Siemens MPI Interface unit or directly at the powder feeder for stand-alone operation
- ✦ Multiple power feeders can be integrated into the system



# Metallisation

Thermal spray equipment and consumables

EXCELLENCE AND SUPPORT SINCE 1922



## NATIONAL ALLOY SOLUTIONS

21754 E. Martin Dr.  
Porter, Texas 77365

**Phone: 713.955.0173**

[nationalalloysolutions.com](http://nationalalloysolutions.com)

