

# METAL COAT

## POWDER FEEDER MPF-700 TWIN

This unit is compatible with numerous combustion powder spray guns and HVOF systems.

Powder Carrier Disks are available for both coarse or fine powders.

Canister can with stand a back pressure up to 7.5 bar.



The **MPF 700 Twin Powder Feeder** is specifically designed for thermal spray coatings. Its small size makes it a portable powder feeder, which can be carried to site for job work. The unit is controlled to extremely precise and repeatable feed rates. The powder hopper (canister) is mounted on a

hinged plate which allows users to easily remove excess powder and clean the interior. Separate powder feed and carrier gas controls make it simple to clear excess material throughout the spray system. Remote operation switch can be added to any gun.

## Working Operation

The feeder operates on a constant volumetric feed principle. At the bottom of the pressurized canister, there is powder carrier disk having slotted wheel mounted off centre with respect to the canister. A given volume of powder fits into each slot and as the disk rotates past the exit port,

the powder is fed into the powder hose and then to the spray gun by an inert carrier gas such as Nitrogen. The powder feed rate is directly proportional to the powder disk rpm which can be controlled from the front panel.

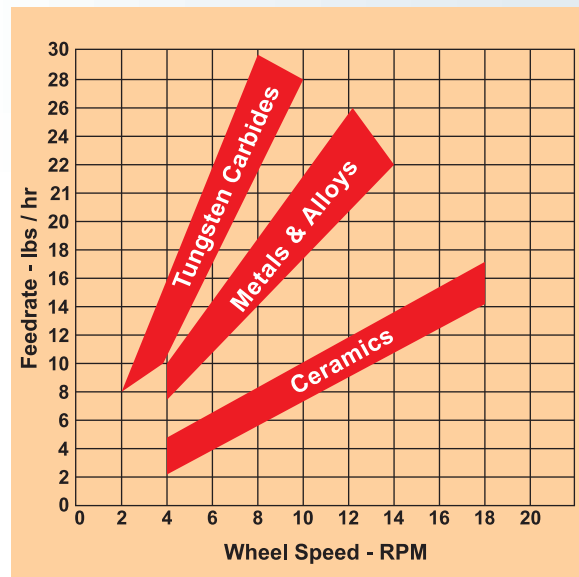
## Technical Specifications

Number of Canisters	: 2 (Two)
Canister Capacity	: 700 CC Each
Canister Dimensions	: 69mm (Inner Diameter) x 190mm (Height)
Cabinet Dimensions	: 30" L x 16" B x 23.5" H
Electricity	: 220V/ 1P/ 50/60 Hz OR 110V/ 1P/ 60Hz
Weight	: 65.500 Kg (Approx.)

### Colours Available

CABINET	CANISTER	CABINET	CANISTER
BLUE	RED	BLUE	BLACK
BLUE	GOLDEN	RED	GOLDEN

## Approx. Feedrate



## Features

- Its dual hoppers can be operated and controlled independently of each other, for processing flexibility to feed:
  1. A single material using one or both hoppers
  2. Two different materials simultaneously
  3. Two different materials for a layered or bond coat / top coat system
- Designed for non-stop continuous operation of same or different powders.
- Feed rate can be easily varied from 1 RPM up to 29 RPM.

- It has a digital display which ensures correct readings.
- Remote or Local powder feed control selectable.
- Sensor less vector control technology for accurate RPM control.
- It is compatible to a wide range of thermal equipment such as Plasma, HVOF System and Combustion Powder Flame spray systems.
- This unit is provided with powder pressure gauge to regulate the pressure accurately.
- Safety Valve is provided to release high canister pressure when required.

### H.O. & Works:

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