

MEC



THERMAL SPRAY FACILITIES

COATING SYSTEMS FOR HVOF, PLASMA, FLAME SPRAY, ARC SPRAY & ROD SPRAY



SIMPLE

No complicated coupling & circuits

ACCURATE

High repeatability

LOW COST

Cheapest in its class

VERSATILE

Almost all thermal spray powders can be feeded.

POWDER FEEDER

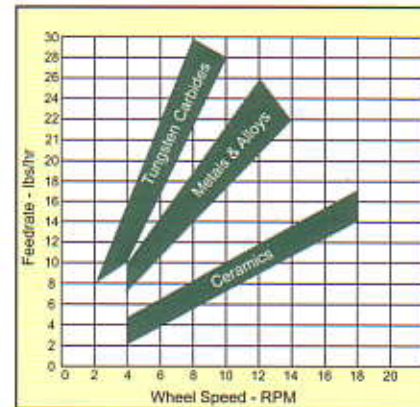
MODEL : PF-700™ / PF-3350™ / PF-3350-A™

Powder Feeder, works on pressurization and constant volumetric feed principal. It has an variable AC drive fitted with digital RPM display. During operation, the powder is gravity fed into the slots of the rotating disk through which controlled quantity of the powder is pushed into the powder feed hose by the carrier gas. The powder feed rate is directly proportional to the powder disc rpm which can be controlled by a pot on the front panel. The canister can withstand a back pressure of 7.5 bar.

Specifications

Description	Model : PF-700	Model : PF-3350
Dimensions	870 x 500 x 140 mm	970 x 600 x 260 mm
Canister Capacity	700 CC	3350 CC
Electricity	220 V / 1P / 50/60 Hz 110 V / 1P / 60 Hz (on request)	220 V / 1P / 50/60 Hz 110 V / 1P / 60 Hz (on request)
Power Consumption	100 W approx.	100 W approx.
Net Weight	39 Kgs. (85.9 lb)	45 Kgs. (99.2 lb)
Colour	Blue-Black // Red-Golden	Blue-Black // Red-Golden

Approx. Feedrate



Features

- ✧ Feed Rate from 1 RPM to 28 RPM
- ✧ Digital display.
- ✧ Remote or Local Powder Feed Control Selectable.
- ✧ Sensor less Vector Control Technology for accurate RPM Control.
- ✧ Can be used with Plasma, HVOF & Flame Spray Guns.
- ✧ Powder canister pressure gauge.
- ✧ Safety valve to release High Canister Pressure.

Model : PF-3350-HP

The PF-3350-HP is specifically designed to run with AP-2100 Automatic Control Panel (suitable for HVOF System). It can be controlled through the control panel (or any external system) as well as independently.

Model : PF-3350-A

The PF-3350-A is specifically designed to run with AP-2200 / DF-2200 Automatic Control Panel (suitable for High Velocity Oxy-Liquid Fuel System). It can be controlled through the control panel (or any external system) as well as independently. Additional features are :

- ✧ External control of carrier gas and powder feed.
- ✧ Feed back of low carrier gas pressure fault.
- ✧ Feed back of A.C. Drive fault.

SPECIAL DUAL POWDER FEEDER

Manual
PF-3350-DM

Automatic
PF-3350-DA



Designed for non-stop continuous operation for same or different powders. Both canisters are of 3350 cc capacity.



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