

## POWDER FEEDER

**For Spraying, Melting, Welding and Hardfacing applications**



Model MPF-700, MPF700T (TWIN) Thermal spray product. Powder feeder is a microprocessor-based, designed for thermal spray applications. Based on the proven volumetric feed. Its proven design has become a standard in the thermal spray industry and offers unparalleled powder feeding accuracy and repeatability.

The feeder operates on a volumetric principle that directly controls the powder feed rate by the speed of the powder wheel. The wheel (Disc) is driven by variable speed motor and the wheel rpm is digitally displayed on the control panel. During operation, the slots in the powder wheel fill with powder, gravity, carrier gas, and rotation of the variable-speed powder wheel deliver the powder to the powder hose. An inert carrier gas that provides canister pressurization then transports the powder through the hose to the thermal spray torch.

In Twin Powder Feeder, individual wheel drive incorporated facilitate operation of one or both canisters at a same or at a different speed (RPM) at a time. Two different powders can also be filled in each canister as well as mixing of two powders in required ratio is possible for spraying. Suitable for all ferrous / nonferrous metal powders, Plastic powder, coarse, medium & fine powders. Thermal spray guns of HVOF and LVOF both can be used.

### Specifications:

TYPE / MODEL	MPF – 700	MPF – 700 T (TWIN)
Hopper Volume	700 CC	2 x 700 CC
Canister Dimensions	70 mm ID x 95 mm OD x 177 mm H	
Powder Wheel RPM	0.5 to 30	0.5 to 30
Type of wheel	Coarse & Fine	Coarse & Fine
Nos. Of holes on wheel	70 & 160	70 & 160
Weight Capacity	5 Kg.	10 Kg.
Delivery	0.3 Kg – 5 Kg.	0.6 – 10 Kg.
Speed Control	Variable frequency drive	Variable frequency drive
Rotameter	Carrier gas 0 – 15 lpm	Carrier gas 0 – 15 lpm
Wheel Drive Power (A/C Servo Motor Drive)	220V / 1P, 50/60 Hz, 90 Watt	220V/ 1P, 50/60 Hz, 2 x 90 Watt
Carrier Gas N2 Argon	75 psi	75 psi
Dimensions in mm. (L x W x H)	500 x 480 x 500	550 x 700 x 600
Weight (Kg)	32	60
Display – Disc RPM Indicator		

Specifications are subject to change without notice