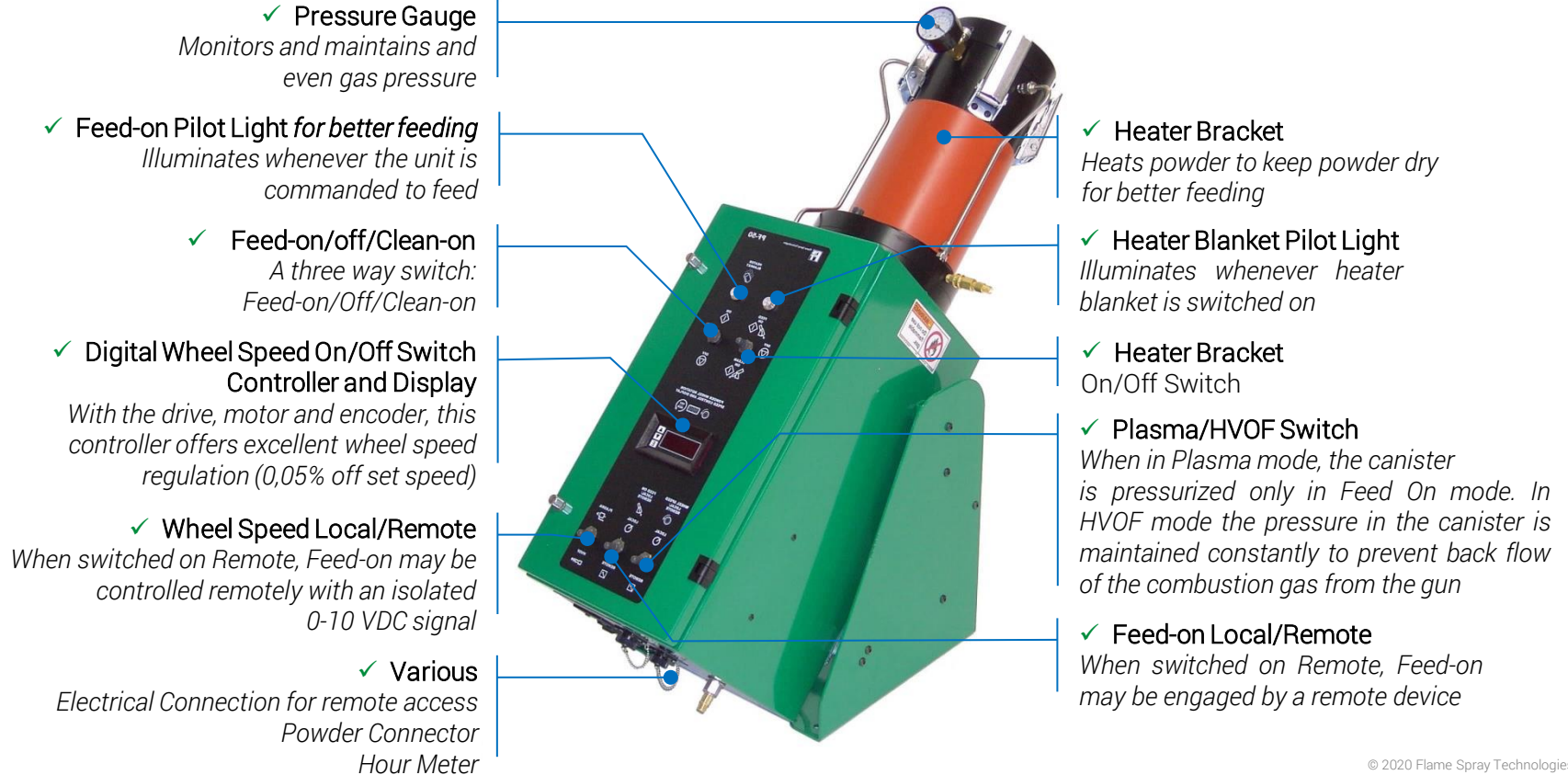


PF-50 POWDER FEEDER

- TECHNICAL DESCRIPTION -



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The PF-50 is a pressurized unit specifically designed for thermal spray applications. The PF-50 is an economical powder feeder for all powder-based thermal spray processes. The PF-50's proven design has become a standard in the thermal spray industry and offers great powder feeding accuracy and repeatability. The heart of the electrical controls is the digital controller, offering precise and consistent wheel speed (displayed in revolutions per minute (RPM)). The feeder operates on a volumetric principle that directly controls the powder feed rate by the speed of the powder wheel. During operation the slots in the powder wheel fill with powder. Gravity, carrier gas, and rotation of the powder wheel deliver the powder to the powder hose. An inert carrier gas provides canister pressurization then transports the powder to the thermal spray torch. To set the wheel speed, simply enter the desired RPM into the controller. When the PF-50 is switched to Feed Mode, the powder wheel will ramp-up to the set RPM, holding that speed accurately. The feeder is not backpressure sensitive and operates with backpressures of up to 6.2 bar (90 psi). A high pressure option 11 bar (150 psi) is also available.

- Powder wheels: The feeder is supplied with a standard powder wheel. Fine, high-volume and 120-hole powder wheels are available upon request.

Weight	44 kg (97 lbs)
Dimensions	775 x 325 x 818 - (30.5" x 12.8 x 32.2")
Electrical input	220/115 VAC, 3 A, 50/60 Hz
Canister Capacity	3360 cm ³ (205 in ³)
Heat Blanket	50 °C (125 °F)



PF-50 Single powder feeder



LEADING IN THERMAL SPRAY TECHNOLOGY