



Powder Feeder Model HA 5171P-D is a sophisticated yet durable and rugged dual feeding unit specifically designed for heavy duty production feeding for thermal spray applications. The powder is fed through two independent powder lines from one powder canister, with each powder line being controlled separately for optimized powder injection within the gun. This feature is especially useful when dual feeding is required without the added investment for

"Provides dual feeding without the added cost of a second powder feeder."

a second powder feeder. The design and construction of this feeder has proven to offer greater dependability with unparalleled accuracy and consistent flow of powder to the thermal spray gun.

The control panel features a large digital display for easy programming and viewing of certain critical information; e.g. electronic canister pressure sensing, spraying time display, and powder feed rate. The powder canister has been designed to tilt 180° allowing the operator fast, easy powder change outs.

The HA 5171P-D is the powder feeding unit that is designed and built for today's sophisticated thermal spray demands; utilizing a built-in load cell, powder consumption and feed rate control is only a matter of a push-button input, thereby eliminating the time consuming and painstaking task of performing countless powder feeder "catch can" tests.

"Eliminates the need for time-consuming catch-can tests."

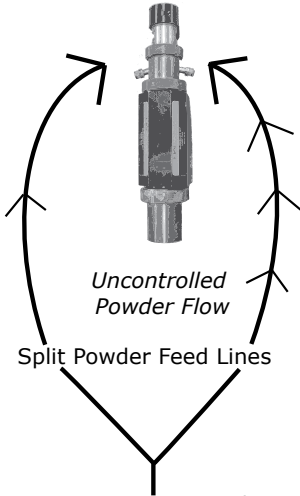
Additionally, the powder feeder carrier gas control unit maintains the powder canister at operating pressures even while the powder feed is shut off. The powder saving instant powder feed Start/Stop along with built-in selectable vibration capability mounted on a durable cart for easy transportation and relocation are a few more of these features that make this feeder one of the most advanced powder feeders on the market today.

Features
■ OIT PLC Feed Rate Control in RPM or gms/min.
■ Single or Dual Feeding Capability
■ Single or Dual Carrier Gas Supply
■ Large PLC Display
■ RS-232 Connection
■ Electronic Canister Pressure Sensing
■ Built-In Selectable Vibration
■ Carrier Gas By-Pass
■ Instant Powder Feed Start/Stop
■ Large Canister Volume, 2 Gallons (7,500 cm ³)
■ Audible and Visible Low Powder Level Alarm
■ 180° Canister Tilt Capability
■ Designed for LPPS and VPS Usage (Vacuum Capability)

Benefits
■ Compatible with all Thermal Spray Systems
■ Feeds All Powder Materials
■ Easy Set-up and Programming
■ Remote Operation and Recording Capabilities
■ Load Cells Measure Accurate Powder Usage
■ Low Maintenance
■ Long Production Runs Without Refill
■ Easy to Read Powder Level
■ Fast and Easy Powder Change and Cleaning
■ Low Powder Waste
■ Constant Carrier Gas Flow
■ Uniform and Accurate Powder Feeding
■ Powder Feeding Not Effected By Canister Powder Level

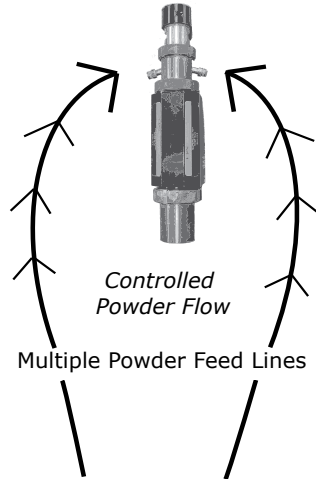
Comparison of Dual Feeding

**HAI
Conventional System**



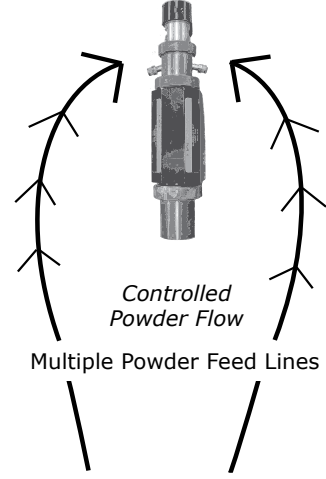
One Powder Feeder
One Controlled Carrier Gas

**HAI
Advanced System**

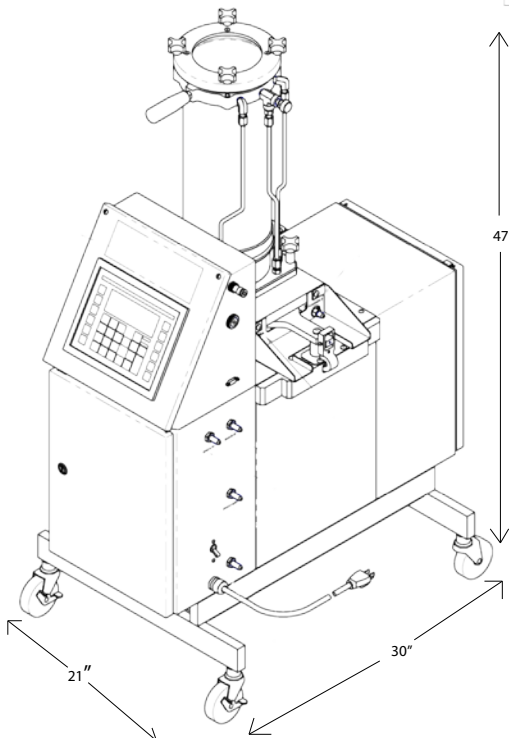


Two Powder Feeders
Two Controlled Carrier Gases

**HAI
Ultra-Feed System**



One Powder Feeder
Two Individually Controlled Carrier Gases



Specifications

HA 5171P-D Powder Feeder	
Weight	150 lbs (68 kg)
Dimensions	30" long X 21" wide X 47" high (66 cm X 52 cm X 103 cm)
Electrical Input	110 VAC, 20 Amps, 60 Hz
Air Pressure	60 psi min. / 120 psi max. (4.1 bar min. / 8.3 bar max.)
Canister Capacity	2 gallons (7,500 cm ³)
Carrier Gas	Argon or Nitrogen
Feed Rate	1 - 26 lbs / hr (10 - 200 gms / min.)