

Polymer Powder Management System

Optimal Powder Handling Process for Industrial-scale Plastic AM Production



TECHNICAL DATA

Application	FS3300PA, FS3401GB, FS3300PA-F
External Dimension (L x W x H)	3250 x 1610 x 2030 mm (128.0 x 63.4 x 80.0 in)
Net Weight	1500 kg (3306.9 lb)
Pneumatic powder conveying capacity	5 kg / min
Compressed air Pressure	0.5-0.7 Mpa
Compressed air Consumption	670 L / min
Power Supply	PMS: 25Kw; Break- out Station: 0.18Kw 380V, 3~/N/PE, 50/60Hz

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FEATURES

The all-new Farsoon PMS -- polymer powder handling system, featuring high-efficiency and operational ease, is the ultimate choice for industrial scale plastic additive manufacturing production. Integrated with multiple powder handling process including used powder recycle & storage, new powder supply, high-speed mixing, and powder sieving, the robust PMS system enables a streamlined material workflow with minimum down-time of the 3D printing machines, with improved throughput and lower cost per part.

- > **High-efficiency**
Process capability up to 80L volume polymer powder in only 8 minutes
- > **Reduced Material & Operational Cost**
Less manual labor required & lower material cost with powder refreshment rate as low as 20%
- > **Improved Process Control**
Excellent measuring accuracy & handling process with customizable mixing ratio
- > **Fully Sealed Powder Handling Process**
Less powder contact, improved operational safety
- > **Design for Production**
Robust capacity suits multiple machine layout

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