

PowderEase™ T1



Automated Powder Breakout, Retrieval and Dosing Station

Optimize Your Workflow with PowderEase™ T1

Simplify your additive manufacturing process by automating powder breakout, retrieval, and dosing. This 3-in-1 solution reduces manual handling, optimizes powder usage, and enables scalable production while ensuring clean, controlled workflows.

Increase Efficiency, Lower Costs

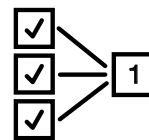
Save up to 50 minutes per build by automating time-consuming processes. T1 ensures efficient powder removal, consistent dosing and efficient mixing of used and virgin powders, enhancing productivity and powder recovery.

Scale for Multiple Printers

Designed for high-volume environments, a single PowderEase T1 can comfortably support up to six H350™ printers using the same material, cutting operational costs and increasing uptime.



Key Benefits of PowderEase T1:



3-in-1 Functionality:

Automates powder breakout, retrieval, and dosing, reducing manual labor



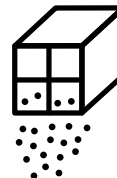
Scalable:

One T1 comfortably supports up to six H350 printers, reducing equipment and labor needs.



Time-Saving:

Cuts up to 50 minutes per build compared to manual workflows.



Improved Powder Utilization:

Maximizes powder retrieval with minimal waste.



Clean, and Accurate:

Automated handling ensures clean, traceable, and precise operations.



Specifications	
Technology	Automated Powder Breakout, Sieving, Dosing, and Barrel-Loading
Platform size	500 x 400 mm (19.68 x 15.75 in.)
Dimensions (W x D x H)	950 x 1675 x 1625 mm (37.40 x 65.95 x 63.98 in.)
Weight	750 kg (1653 lbs.)
Space Requirement (W x D)	2640 x 2200 mm (103.94 x 86.61 in.)
Power Requirements	240 VAC, 1PH; 50 Hz
Power Consumption	2 kW (2.72 hp)
Compressed Air	6-10 bar (87-145 psi), minimum flow rate: 1500 l/min. (396 gal/min.)
Noise Emission	< 80 dB (A)
Screen Sizes	Ø 300 mm (Ø 11.81 in.), Mesh width: 250 µm (9.8425 mil)
Dosing System	Automated dosing system for powder
Loading Capacity	Supports 2 full builds without refilling
Operating Temperature Range	15-30 °C (59-86 °F)
Operating Humidity	[30-70]% RH
Extraction rate	150m ³ /h (88 CFM)
Compatible Materials	PA12, PA11, PP
Certifications	ISO 8573-1 Class 2:4:2 REACH, RoHS, WEEE, Modern Slavery Act, Conflict Minerals regulation



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PRODUCT SPEC SHEET

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