



PREVO 700™

Automated SLS Depowdering Solution

The **PostProcess™ PREVO 700** Automated SLS Depowdering Solution uses Variable Amplitude Displacement™ (VAD) technology to enhance the efficiency of depowdering 3D printed parts. By adjusting the amplitude and frequency of mechanical vibrations, it optimizes powder removal, reducing post-processing time and labor. Integrated software helps minimize variations between builds, offering reliable and rapid unpacking of parts, which streamlines post-processing and boosts productivity for 3D printing workflows.

- **Fast processing speeds**

<20 min from cake loading to part retrieval.

- **Enhanced safety**

Fully enclosed design with negative airflow reduces the risk of powder exposure.

- **Optimal sustainability**

Maximum recovery of reusable powder.

- **Reduced labor**

Automating the manual breakout step eliminates the need for expensive post-processing labor.

- **Low operating costs**

No consumables used in processing; low energy usage.

- **Full software integration**

AUTOMAT3D® digital platform allows for full customization and repeatability with one touch operation.

Software features:

- AUTOMAT3D® software platform.
- Intelligent, hands-free cycle times.
- Customizable settings.
- One-touch repeatability with recipe storage.
- Preventative maintenance schedules.

Hardware features:

- Digital control of frequency, amplitude, and duration of part processing.
- Exchangeable fixtures to handle multiple printer platforms including exchange frame and guillotine box designs.

SLS Depowdering Product Specifications

Electrical Requirements:	US 240 Volt, 60 Hz, 15A EU 240 Volt, 50 Hz, 15A
Compressed Air Requirements:	Max Operating Pressure: 7 bar (100 PSI) Max Air Consumption: 960 L/Min at 20% Duty Cycle
Envelope Capacity:	20" x 20" x 23.6" (700 x 510 x 600 mm)
Machine Dimensions (WxDxH):	Doors Closed: 106" x 44" x 87" (2686 x 1108 x 2200 mm) Doors Open: 166" x 129" x 87" (4214 x 3297 x 2200 mm)
System Weight:	Approx. 4,000 lbs (2,000 kg)
Noise Level:	≤ 80 dB(A)
System Warranty:	12 months on-site service and support, as per PostProcess Technologies conditions of sale.
Environmental Requirements:	Temperature range: 59-80°F (15-27°C) Relative humidity: 20-50% non-condensing
Software:	AUTOMAT3D Windows 10
Regulatory Conformity:	CE, SGS, ATEX
Features & Depowdering Options:	Frequency and amplitude control to adjust for different geometries and powders / Customizable settings with recipe storage capability / Integrated sieve to provide reusable powder / Option for manual removal of parts / Ability to swap exchange frames or Guillotine boxes in <20 min
Connectivity:	USB Port: USB 3.1 Ethernet: Fully compliant with IEE 802.3, IEEE 802.3u, IEEE 802.3ab
Material Compatibility:	Polyamides (PA12 based & reinforced powder, PA11, PA6 based & reinforced powder), Thermoplastic Elastomers (TPU powder), Polyphenylene (PPS) and Polypropylene (PP), PolyKetone (PK)
Printer Compatibility:	Exchange Frames: EOS P396, EOS P500, EOS P770, Sindoh Guillotine Versions: Farsoon 403P, Farsoon 501

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