



# ProSurface™ Desktop Sand- Blaster System



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## Desktop Sand-Blaster System

### Perfecting Your 3D Prints with Precision Post-Processing

Introducing Stratasys ProSurface™ Desktop Sand-Blaster System, an in-house post-processing solution that is compatible with Stratasys J3/J5/J7 and J8 series printers, it is designed to maximize the appearance of your PolyJet flexible and rigid 3D printed parts. With its double media channel, dust aspirator and foot pedal, this advanced system offers unparalleled post-processing capabilities. Whether you're looking to enhance the shape, color, size, texture, or any other characteristics of your PolyJet models, the ProSurface™ is here to help.

### Why Choose In-House Post Processing?

In-house post-processing offers numerous benefits for designers and businesses alike. By handling post-processing internally, you can safeguard your valuable intellectual property while reducing costs and saving time that would otherwise be spent on outsourcing. With the implementation of the ProSurface™ system, you gain full control over the entire post-processing process, thanks to its comprehensive end-to-end in-house solution.



### The ProSurface™ Advantage

The ProSurface™ Desktop Sand-Blaster System delivers unrivaled post-processing capabilities in a larger-than-average chamber. Featuring a double media channel, a dust aspirator, and a convenient foot pedal, this cutting-edge system enables media blasting, a faster alternative to manual sanding. With the ProSurface™ system's in-house, end-to-end solution, you can achieve an exceptionally smooth surface finish, even on silicone-like textures and flexible models. You also have the flexibility to apply a clear coating, ensuring a consistent matte or glossy appearance on your printed parts.



### Efficiency and Precision

The ProSurface™ system is designed for efficiency and precision and includes dual media blasting channels with the ability to select optimum media types based on size and abrasive level, and the built-in pressure precision feature, you can set the exact blasting pressure needed for each part, ensuring consistent and precise post-processing results. This level of control allows for highly efficient and accurate surface refinement, saving time and minimizing material waste.

## Safety and Cleanliness

At Stratasys, we prioritize the safety and cleanliness of your workspace. The ProSurface™ system includes safety glass for secure operation and optimal visibility of the chamber interior. Permanent internal gloves maintain a clean environment while using the system. The sandblaster also features two containers for different-sized media, an aspirator to extract debris, and a foot pedal for easy operation. With these safety and cleanliness features, you can work confidently and maintain a tidy workspace

## Applications and Compatibility

The ProSurface™ system is versatile and compatible with all PolyJet parts, making it an optimal choice for a wide range of applications. Whether you're working on packaging, electronics casings, figurines, medical devices, education and research projects, lighting components, kitchen tools, or sports products, the ProSurface™ system can help you achieve exceptional post-processing results. Its compatibility ensures that you can seamlessly integrate it into your existing workflow.

## Best Practices Guide

To assist you in maximizing the potential of your ProSurface™ system, we provide a comprehensive Best Practices Guide. This guide offers step-by-step instructions for the entire post-processing procedure, from printing to the final model. It covers essential topics such as the desktop painting platform, recommendations for clear coating, and blaster media. By following the guide, you can ensure that you achieve outstanding results with your in-house post-processing.



## Elevating Your PolyJet Parts

In-house post-processing with ProSurface, as the initial step, prepares the model, unifying its entire geometry before the second optional stage – clear coating (matte or glossy). Stratasys Post-Process Procedure is available in our Best Practices guide that will take you from print to final model. With the Stratasys ProSurface™ Desktop Sand-Blaster System, you can enhance the appearance of your 3D printed parts, improve the touch and feel of your flexible parts, streamline your workflow, and protect your valuable intellectual property, all in-house.

Product Specifications	International system	Imperial units
Voltage	100÷240±10% V	100÷240 ±10% V
Frequency	50/60 Hz	50/60 Hz
Max. absorbed current	5,5 A	5.5 A
Total power	550 W	550 W
Maximum Pressure of inlet air	6 bar (0.6 MPa)	87.02 psi
Operating pressure	0.5÷6 bar (=0.05÷0.6 MPa)	7.25÷87.02 psi
Sandblaster depth	580 mm	22.83 in
Sandblaster width	520 mm	20.47 in
Sandblaster height	590 mm	23.23 in
Sandblaster net weight	264.78 N (= 27 kgf)	59.5 lb
Aspirator depth	420 mm	16.5 in
Aspirator width	220 mm	9.0 in
Aspirator height	460 mm	18.11 in
Aspirator net weight	166.71 N (= 17 kgf)	37.5 lb
Vibrations	0.07 m/s <sup>2</sup>	0.23 ft/s <sup>2</sup>
Average sound pressure level LpA	75.3 dB(A)	75.3 dB(A)
Packaging dimensions of Sandblaster + Aspirator	800 x 600 x 950 mm	31.5 x 23.6 x 37.5 in
Packaging weight of Sandblaster + Aspirator on plastic pallet	588.4 N (= 60 kgf)	132.68 lb

Grain size of sand to be used	International system	Imperial units
Grain size of sand to be used (white container + silver-colored handpiece)	50÷125 µm	1.97÷4.92 mil
Grain size of sand to be used (red container + red handpiece)	125÷250 µm	4.92÷250 mil

### Replaceable fuse

T: Slow acting fuse

L: Low breaking capacity

5x20: Diameter 5 mm (= 0.2 in), Length 20 mm (= 0.79 in)

Max. allowable variation with respect to the nominal voltage: ±10%

T 6.3A L 250V 5x20

Pneumatic supply line	International system	Imperial units
Non-condensing compressed air	- - -	- - -
Internal hose diameter	6 mm	0.24 in
External hose diameter	8 mm	0.31 in

Environmental conditions for use	International system	Imperial units
Ambient temperature	15÷35 °C	59÷95 °F
Relative humidity (no condensation)	10%÷80% (*)	10%÷80% (*)
Atmospheric pressure	800÷1060 mbar	800÷1060 mbar
Max. height	2000 m a.s.l.	6.561.68 ft a.s.l.

Environmental conditions for storage	International system	Imperial units
Ambient temperature	-10÷55 °C	14÷131 °F
Relative humidity (no condensation)	10%÷80%	10%÷80%
Atmospheric pressure	800÷1060 mbar	800÷1060 mbar

Environmental conditions for storage of abrasive products (sands)	International system	Imperial units
Ambient temperature	-10÷55 °C	14÷131 °F
Relative humidity (no condensation)	10%÷80%	10%÷80%

Store indoors, in a dry area with adequate ventilation.

Ambient pollution degree	---	---
The appliance is intended to operate in environment with the pollution degree indicated at the side:	2	



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