

# POLYSHOT SURFACING

**DYE  
MANSION**



## DYEMANSION POWERSHOT S

The new surface quality standard  
for AM plastics.

### The key to consumer products

DyeMansion's sophisticated PolyShot Surfacing (PSS) technology with the Powershot S delivers closed pores and an improved surface quality, transforming porous, vulnerable polymer parts into long-lasting finished products, which is key for high-value 3D-printed consumer products, such as eyewear.

### Suitable for every geometry

Fast, cost-effective and suitable for every geometry. The PolyShot Surfacing process reaches almost all areas of the parts. The cycle time of the PSS process lasts approximately 10 minutes without any material removal.

### Improved part properties

The PSS process with the Powershot S homogenizes the surface and achieves unmatched results. Functionally and visually. The parts have more scratch-resistance, gloss and in the end also a more homogeneous color distribution.

# TECHNICAL DATA

POWERSHOT S



## PERFORMANCE

Cycle time	Variable, typically between 5 to 15 minutes, depending on filling level
Capacity per run	Up to 75% of EOS P396 or HP Jet Fusion 4200 build job
Cyclone performance	510 m <sup>3</sup> /h   300 cfm

## DIMENSIONS

Blasting cabinet (W x D x H)	1300 x 1665 x 2030 mm   51.2 x 65.6 x 79.9 inch
Required space for operations (W x D x H)	2915 x 2465 x 2300 mm   114.8 x 97.0 x 90.6 inch

## WEIGHT

Blasting cabinet CE	480kg   1058 lb
Blasting cabinet UL	520kg   1146 lb

## POWER

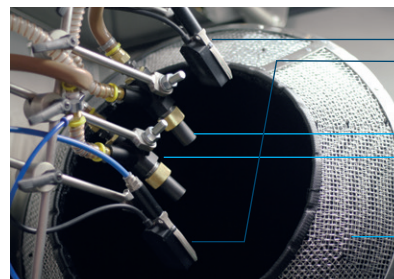
Connection	400V 50Hz CEE 16A or 208V 60Hz, NEMA L21-20A
Consumption	1 kW
Noise Level	> 85dB

## COMPRESSED AIR

Connection	Hose nozzle, Air tube inside Ø 19 mm   3/4" or 1/2" IT
Consumption	Recommended: 1.8 m <sup>3</sup> /min at 5 bar   64 cfm at 73 psi Maximum: 2.5 m <sup>3</sup> /min at 7 bar   88 cfm at 101 psi

## CUSTOMIZED ITEMS

- Removable rotary basket for manual blasting
- Ionizing flat-jet nozzles (2x) | Borcabid nozzles (2x)
- Small load carrier for leftover powder and blasting media
- Stainless steel cabinet



- 2x Flat-jet ionizing nozzles (antistatic)
- 2x Borcabid nozzles
- Stainless steel cabinet

## CERTIFICATION

- ✓ CE 2006/42/EG

DyeMansion GmbH  
Robert-Koch-Straße 1  
82152 Planegg-Munich  
+49 89 414 170 500  
hallo@dyemansion.com

DyeMansion North America  
3813 Helios Way, #B298  
Pflugerville, TX 78660  
+1 (415) 996 811 5  
hello@dyemansion.com

For more information, visit:  
[www.dyemansion.com](http://www.dyemansion.com)