

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	510m ³ /h 300cfm

DIMENSIONS

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

WEIGHT

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

POWER

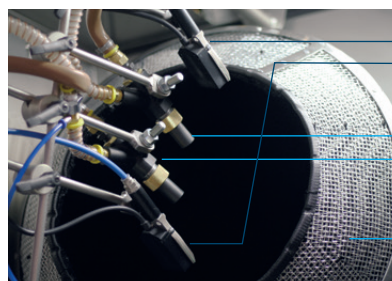
Connection	400V, 50Hz, CEE 16A or 208V, 60Hz, NEMA L21-20A
Consumption	1kW
Noise Level	> 85dB

COMPRESSED AIR

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

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

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