POLYSHOT CLEANING & SURFACING

POWERSHOT DUAL PERFORMANCE

Highest quality for the serial production of today and tomorrow

Separate cleaning and surfacing processes for the best results

With the Powershot Performance, you can process your 3D printed parts with the highest quality. Depending on your requirements, you can use both the PolyShot Cleaning process and the PolyShot Surfacing process - as individual processes or run seamlessly one after the other. Separate processes and blasting material specially designed for each individual process ensure maximum quality.

Maximum efficiency with a small footprint

The Powershot Performance can process a full-sized build job in a single run - all with the smallest footprint of any comparable system. This maximizes your production capacities, reduces your personnel costs and makes costefficient use of the production area. The built-in sieve unit reliably cleans the blasting media, resulting in reduced media consumption and further cost reduction.

Ready for the factory of the future

Thanks to ERP/MES connectivity, the Powershot Performance can be integrated into your digital shop floor and enables optimized production planning and seamless traceability. Application-specific process parameters can be saved in your own programs, allowing for a constantly growing range of applications. Thanks to automated unloading and the included DyeMansion Data Connect with standardized OPC-UA communication interface, the system can be easily integrated into your production chain. This makes the Powershot Performance a secure long-term investment.

TECHNICAL DATA

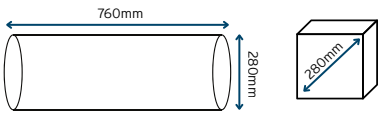
POWERSHOT DUAL PERFORMANCE

AUTOMATION

Individual programming, control and monitoring of process parameters via touch screen. Automatic unloading of processed parts.

PERFORMANCE[1]

Cycle time	Individually configurable, typically 10 to 20 minutes each process
Capacity per run	Up to 1x EOS P396, 1.5x HP Jet Fusion 4200/5200 or 3x full-sized Stratasys H350 build jobs
Compatible part size[2]	Min part size 3 x 3 x 3mm | 0.1 x 0.1 x 0.1in Max part size (in automatic blasting mode) 760 x 280mm | 30in x 11in



DIMENSIONS

System (L x W x H)	1535mm x 2205mm x 2065mm | 60.4in x 86.8in x 81.3in
Recommende space requirement in operation (L x B x H)	2835mm x 3205mm x 2700mm | 111.6in x 126.2in x 106.3in

POWER

Supply	3,6kW
Requirements	400V, 50Hz, 16A or 208V, 60Hz, 20A

COMPRESSED AIR[3]

Supply pressure	Minimum: 7bar | 101 psi (constant) Maximum: 10bar | 145 psi
Consumption	2,5m³/min at 7bar | 88cfm at 101psi

CONNECTIVITY

OPC UA interface for unidirectional communication via DyeMansion Data Connect (optional)

Remote support via VPN

SOUND LEVEL

L_{pA}: ≤73dB(A) according to ISO 11204

CERTIFICATION
CE | 2006/42/EG

① Can vary according to material, printing process, part volume or complexity of the parts.

② Potential stacking of parts and part movement is geometry dependent and influences automated processability. When hand blasting, parts larger than 280mm/11in in size can be processed as the parts do not need to rotate in the process chamber.

③ For pressures greater than 10 bar (145 psi), a pressure reducer with the following specification must be provided by the customer: Flow rate at 6.3 Bar (91.5 psi) and ΔP 0.5bar (7 psi) à 5 m³/min (5000 Nl/min = 176.5 cfm).

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