

S1 – The smart multi-talent for powder removal and cleaning

2-IN-1 SOLUTION



Cleaning



Surface finishing:
shot blasting



Polymers



Metal

Features & benefits

COMPLIANT WITH
2014/34/EU (ATEX 114)

READY FOR
INDUSTRY 4.0

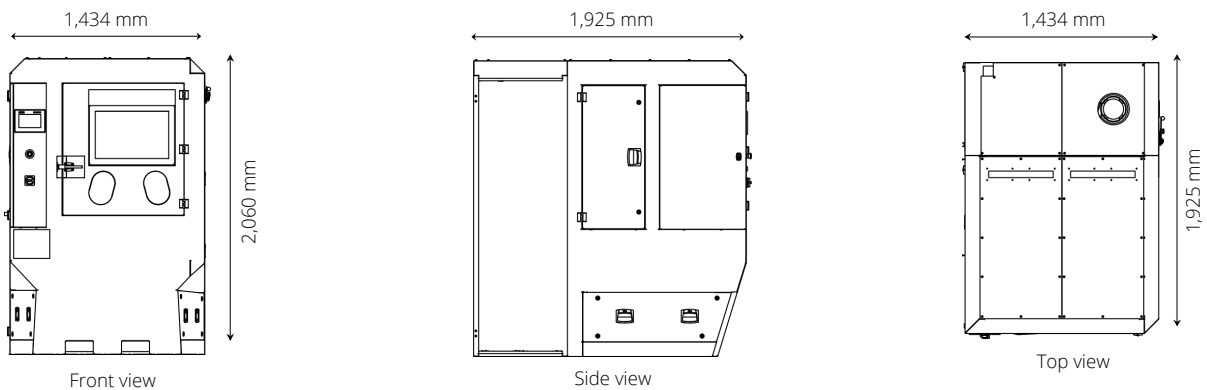
- 2-IN-1 Solution for cleaning and surface finishing with easy blast media exchange
- Especially developed for polymer powder bed based technologies
- Blast media conditioning system for best and consistent quality of blasting media
- Software controlled process automation
- Newly developed air management for even fewer deposits in the interior
- Developed in collaboration with industry leading 3D printing specialists

Technical highlights

The next generation of the S1 sets new standards in the post-processing of powder bed-based polymer printing processes. The smart plug-and-play solution enables de-powdering, smoothing and homogenizing in just one system. The S1 is also suitable for surface finishing of de-powdered metal components made of non-reactive materials. It also impresses with its

simple operation by means of software-controlled process automation. Thanks to its compact and robust design, this multi-talent can be easily integrated into any production environment and offers maximum reproducibility, traceability and cost efficiency. The ergonomic design in conjunction with a process-optimized nozzle set-up for automatic operation round off the overall package.

Equipment layout

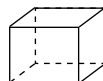


Equipment specifications

Technical data
Dimensions of blast chamber: Width x Depth x Height: 1,050 x 1,150 x 960 mm
Dimensions of workpiece tray: 880 x 365 mm
Usable volume basket: 2-25 Liter
Dimensions of basket: Ø 650 - 400 mm
Noise Level less than 80dB(A)

Electrical connection
Supply voltage standard: 400 V, 50 Hz, 3Ph N/PE
Control voltage: 24 V DC
Compressed air connection: 6 / 7 bar

Possible work piece dimensions (mm; L x W x H)



Minimum size: 5 x 5 x 5
Maximum size: 800 x 350 x 500

