AM solutions
3D post processing technology

S2 – Fully automated cleaning with maximum media throughput for series production

Cleaning

Surface finishing

Polymers

Features & benefits

- Maximum productivity through fully automated processing of one or more complete print jobs, independent of manufacturer, in 24/7 operation
- Consistent blasting and gentle part handling ensured by a unique continuous loop belt.
- Maximum media savings through efficient media preparation
- Superior cleanliness achieved through the integrated rotary screen drum
- Integrated process monitoring guarantees consistent, reproducible results at the highest level

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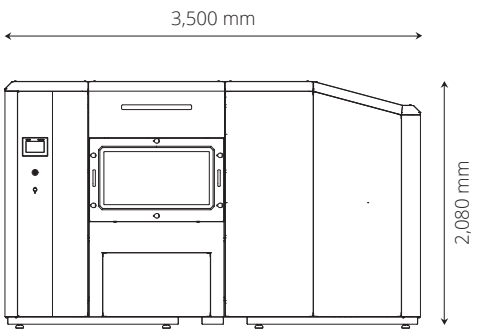
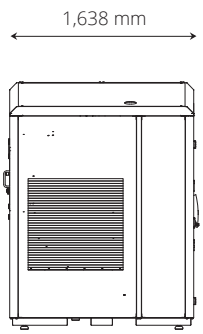
Technical highlights

The S2 provides a for fully automated and continuous cleaning and surface finishing process of printed parts from a powder-based printing process. Simply place your parts in the processing chamber. The S2 does the rest quickly and reliably. The parts are transported on a special PU continuous loop belt, which ensures gentle transport. The optimally arranged blasting nozzles ensure uniform processing of the workpieces and a homogeneous surface. The unique abrasive recirculation system allows optimized abrasive recovery, resulting in higher media throughput.

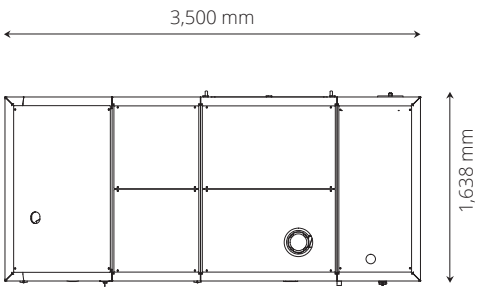
Equipment layout



Front view



Side view



Top view

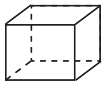
Equipment specifications

Technical data
Dimensions of loop belt: L = 1,000 mm, Ø = 335 mm
Number of blasting nozzles: 5
Batch volume: 70 liters of bulk material
Blasting agent replenishment: 30 liters
Noise level: < 78 dB(A)
Blasting media recommendation: GP30, GP60, RAM DPA (RPB), RDP

Installation conditions
Supply voltage standard: 400 V, 50 Hz, 3 Ph/N/PE*, CEE32A connector
Control voltage: 24 V DC
Compressed air: 6 bar, 1 inch supply line, safety compressor coupling on hose nozzle, ø = 25 mm
Compressed air volume: 250 m³/h
Transport: Forklift truck with long tines
Machine empty weight: ≈ 2,500 kg

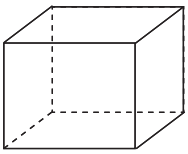
*Different connection voltage like US on request also available

Possible work piece dimensions (mm; w x d x h)



Minimum size: 10 x 10 x 10

Maximum size: 300 x 100 x 150



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