

SFM-AT300



The SFM-AT300 can be used to clean parts produced on all additive manufacturing systems.

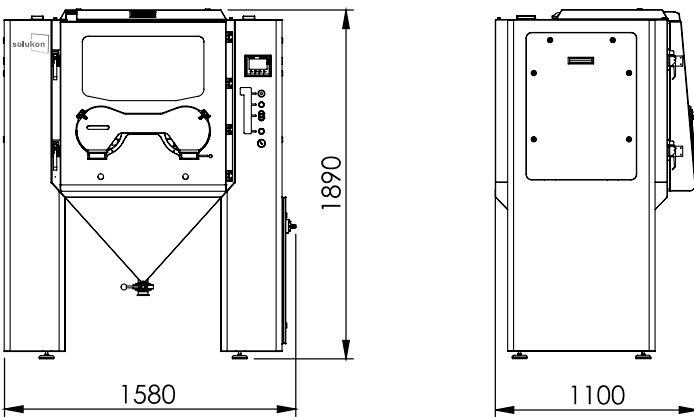
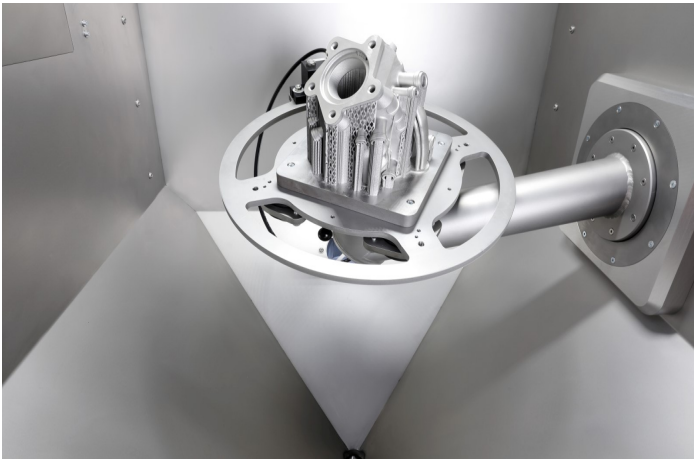
Compact depowdering unit for powder removal of metal laser-melted parts

The SFM-AT300 cleans metal laser-melted parts within a sealed process chamber, with targeted vibration and automated rotation.

Due to rotation of the parts, including the build plate, unmelted build material is removed from complex voids and support structures.

After the automated cleaning program, manual cleaning with compressed air or inert gas is possible via glove ports.

The depowdering system is based on the unique Solukon Smart Powder Recuperation® technology.



System specifications

Installation space (W x D x H)	2,200 x 3,000 x 2,500 mm
Weight	450 kg
Mains voltage / frequency	400 / 50 - 60 V / Hz
Power consumption	0.4 kW
Power supply	16 A

Compressed air specifications

Working pressure	6 bar
Consumption	max. 300 l/min

Inert gas specifications*

Working pressure	6 bar
Consumption	max. 400 l/min

* only with inert gas infusion option

Part spectrum

- material: aluminum-, steel-, titan- or copper alloy
- weight: up to 60 kg
- dimensions: up to 350 x 350 x 430 mm³

Basic features

- automated rotation device
- turntable for manual positioning of the parts
- pneumatic connections for manual air cleaning tools
- powder lock with special container
- vibration mechanism with wide frequency range

Options

- dust removal for non-reactive materials
- inert gas infusion for reactive materials (ATEX)

Advantages

- certified explosion protection
- high degree of protection from harmful dusts
- fast and economic part cleaning
- comfortable part handling
- qualifiable and reproducible cleaning results