

SFM-AT800 / -S

solukon



The SFM-AT800 / -S can be used to clean parts produced on all additive manufacturing systems.

Depowdering system for automated powder removal of metal laser-melted parts

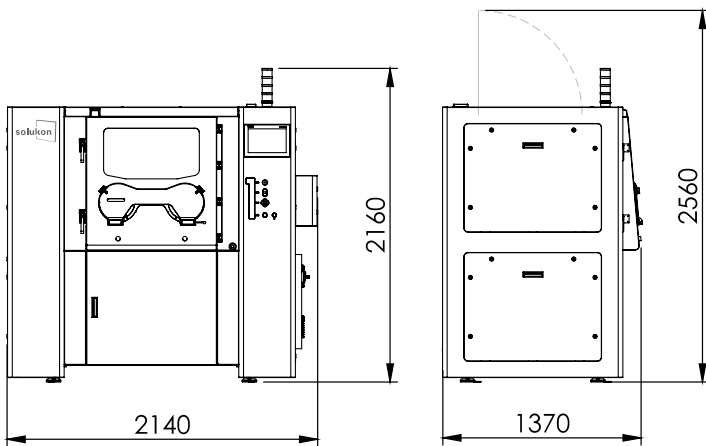
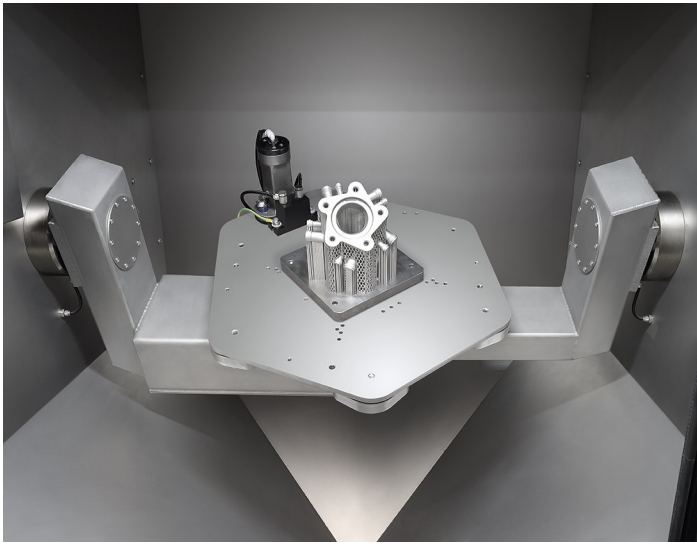
The SFM-AT800 cleans metal laser melted parts within a sealed process chamber, with targeted vibration and automated two-axis rotation.

Through programmable rotation of the parts, including the build plate in two axes, metal powder is also removed from complex voids and support structures.

The SFM-AT800-S is a special version of the SFM-AT800. It is equipped with two endless rotating axes with two programmable servo-drives and can move the part along any imaginable path.

Both systems are based on the unique Solukon Smart Powder Recuperation® technology.

[solukon.de](https://www.solukon.de)



System specifications

Installation space (W x D x H) 3,500 x 3,500 x 3,000 mm

Weight 900 kg

Mains voltage / frequency 400 / 50 - 60 V / Hz

Power consumption 0.4 / 1.5* 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. 300 l/min

* with S-Version

** only with inert gas infusion option

Part spectrum

- material: aluminum-, steel-, titan- or copper alloy
- weight: up to 300 kg
- dimensions: up to 600 x 600 x 600 mm³
(or: 800 x 400 x 550 mm³)

Basic features

- automated 2-axis rotation device
- powder lock with special container
- vibration mechanism with wide frequency range

S-Version

- unlimited programmable 2-axis rotation
- ready for intelligent SiDAM software
- remote gimbal control (Joystick)
- OPC-UA interface (ready for industry 4.0)

Options

- dust removal for non-reactive materials
- inert gas infusion for reactive materials (ATEX)
- direct connection to material processing
- top loading
- software for path programming with speed, waiting time and vibrator control
- programmable knocker

Advantages

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