



The SFM-AT200 can be used to clean parts produced on all additive manufacturing systems.

SFM-AT200 compact depowdering unit for powder removal of metal laser-melted parts

The SFM-AT200 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.

The compact design of the SFM-AT200 optimizes the footprint as well as the consumption of inert gas.

The internal stainless steel design makes the SFM-AT200 the ideal cleaning system for medical components with high cleaning requirements.

Depending on the build material, the process chamber can be rendered inert with protective gas.

Materials

- Aluminum
- Titanium alloy
- Nickel-based alloy

Basic features

- Automated rotation device
- Turntable for manual positioning of the parts
- Material airlock with special container for collecting metal powder
- controlled vibration mechanism with wide frequency range

Machine versions

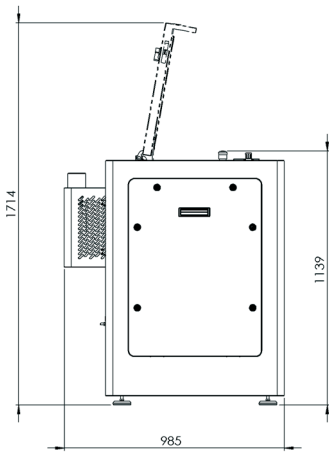
- inert gas infusion version

Advantages

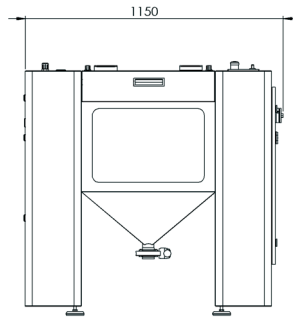
- Expertly certified explosion protection
- high degree of protection from harmful dust
- fast and economical part cleaning
- completely inert material handling
- maintenance-friendly system layout
- direct link to sieving station



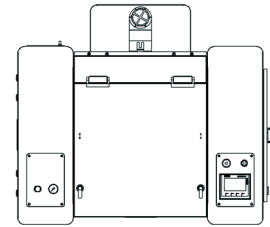
↑ Protected process chamber with rotation device



↑ Side view



↑ Front view



↑ Top view

System specifications

	Dimensions	Unit
Installation space (W x D x H)	2,000 x 2,000 x 2,000	mm ³
Weight	350	kg

Part specifications (incl. build plate)

Maximum dimensions (W x D x H)	300 x 300 x 230	mm ³
Maximum weight	60	kg

Power specifications

Mains voltage / frequency	3 PH / 400 / 50	V/Hz
Power consumption	0.4	kW
Power supply	16	A

Compressed air specification

Working pressure	6	bar
Consumption during operation	50 - 600	l/min

Inert gas specifications

Working pressure	6	bar
Consumption	10 - 50	l/min

The highest safety standards are achieved through intelligent monitoring of the process and operation. The well thought-through process sequence ensures convenient and economical operation.