

MARSO4

Metal Additive Removal System

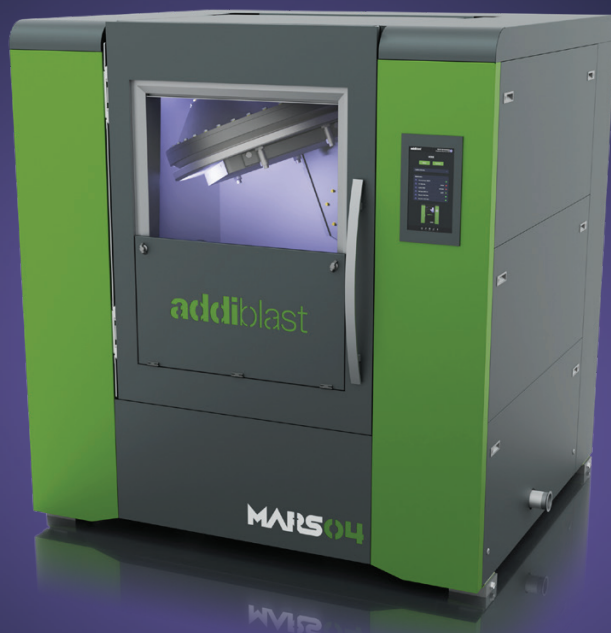


Depowdering



Metal

Fully automated depowdering for metal 3D-printed parts



Basic configuration

- Enclosed chamber for safe operation (ATEX certified)
- Air gun for precision cleaning
- Large viewing window with LED workspace illumination
- Fully automated 2-axis rotation, 360° endless movement
- Ø 900 mm servo-driven rotary table, 0–5 RPM
- Frequency-regulated electric vibrator on rotary table
- Butterfly-valve operated powder hopper
- 12" color touch interface for complete process control
- Electronic control box for managing all machine functions
- Manual blow-off gun for targeted cleaning
- Safety fixtures for manual and automated operation
- HEPA13 exhaust cartridges for efficient filtration
- Pneumatic top lifting doors for crane loading

Optional

Inert gas infusion system

Maintains oxygen level between 4 and 2 % during operation. Argon or Nitrogen can be used.

Advanced de-powdering system

Adds a pneumatic knocker, electric vibrator, blow-off nozzles on the swivel arm, and a customized rotary-table bolt pattern for improved powder removal.

Smart measurement analytics

Monitors humidity and temperature, inert gas and compressed-air consumption and electrical usage.

Technical specification

Workspace size (L x W x H) 1050 x 1300 x 1300 mm

Inert gas Ar, N₂, max. 8 bar / 116 PSI

Compressed air (min - max) 6 / 87 - 8 bar / 116 PSI

Air consumption 1000 (air), 600 (gas) l/min

Power 3 x 230 / 400 V, 50 / 60 Hz

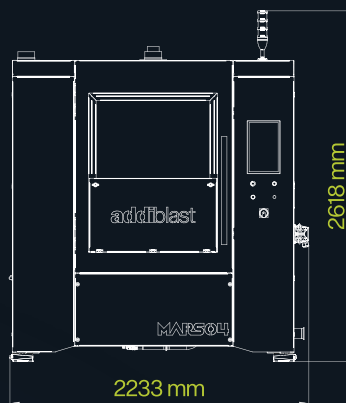
Weight 2500 kg



Build Plate Volume
up to
600 x 600 x 1000 mm



Load Capacity
max.
900 kg



Post processing, **redefined.**

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