

MARS04

Metal Additive Removal System



MAR504

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Depowdering



Metal

Fully automated depowdering for metal 3D printed parts.

Basic configuration

- Enclosed chamber for safe work
- Air gun for cleaning
- Big window for process monitoring
- LED workspace illumination
- endless 2-axis automated 360° rotation
- Ø 900mm servo-driven rotary table on swivel arm, 0-5 RPM
- Frequency regulated electro vibrator on rotary table
- Butterfly valve operated collection hopper
- 12" Colour touch interface
- Electronic control box for managing all the machine functions
- Manual blow-off gun
- Safety fixtures for safe manual and automatic operation
- HEPA13 exhaust cartridges
- Pneumatic top lifting doors for crane loading
- ATEX certified (Ex protected)

Technical specifications

Dimensions (L x W x H)	2100 mm x 1900 mm x 2300 mm
Workspace size (L x W x H)	1050 mm x 1300 mm x 1300 mm
Build plate volume (L x W x H)	600 mm x 600 mm x 1000 mm
Load capacity	900 kg
Inert gas	Ar, N ₂ , max. 8 bar / 116 PSI
Compressed air (min - max)	6 bar / 87 PSI - 8 bar / 116 PSI
Air Consumption	1000l/min (air), 600l/min (gas)
Power	3 x 230/400V, 3/N/PE 50/60Hz
Weight	2500 kg

Optional

Inert gas infusion system

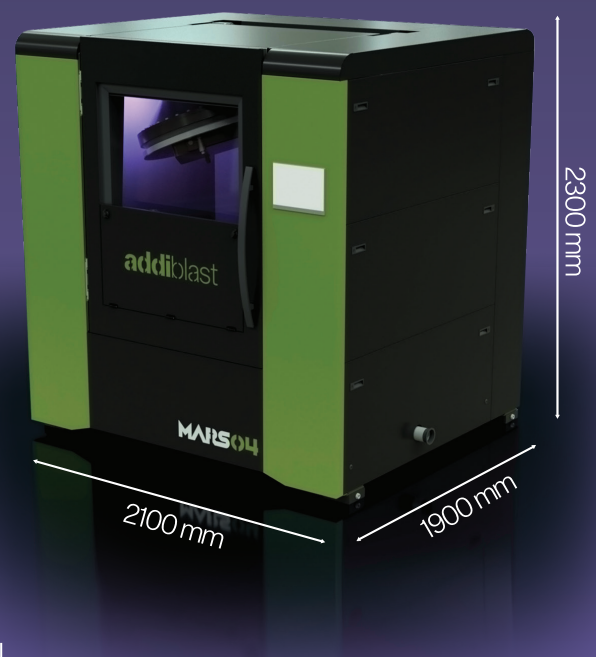
Maintaining Oxygen level in range 4-2% during the operation. Argon or Nitrogen can be used.

Advanced De-powdering System

- Pneumatic knocker
- Electric vibrator
- Blow off nozzles on swivel arm
- Customized bolt pattern on rotary table

Smart Measurement Analytics

- Humidity and temperature measurement
- Inert gas consumption, compressed air consumption
- Electricity consumption
- Frequency/RMS feedback measurement



Post processing, **redefined.**

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