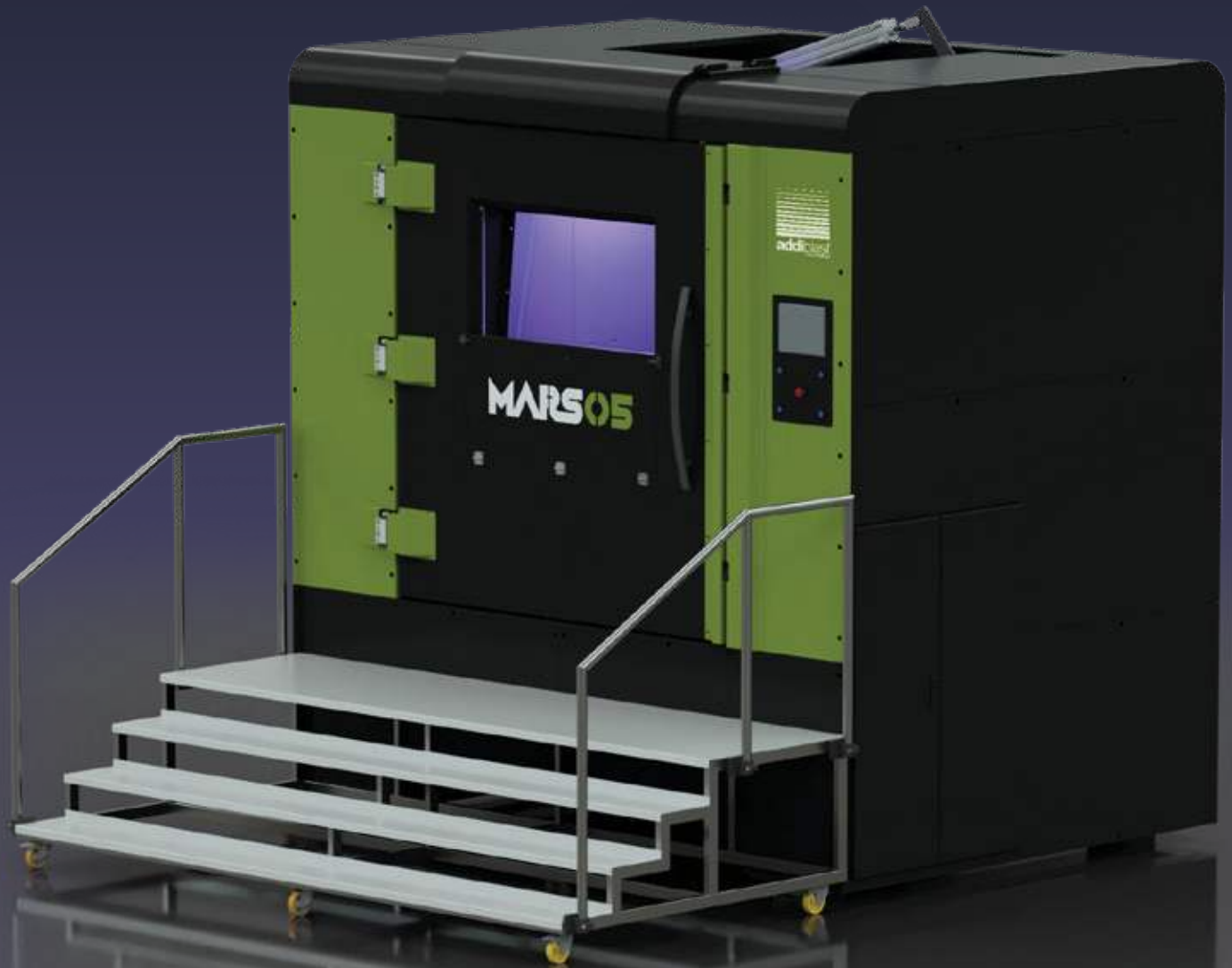




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MARS05

Metal Additive Removal System



MARS05

Metal Additive Removal System



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
- Servo-driven swivel arm, 210° rotation
- Ø 1500 mm servo-driven rotary table on swivel arm, 0-5 RPM
- Frequency regulated electro vibrator on rotary table
- Butterfly valve operated collection hopper
- Vibration dampers below rotary table for vibration absorbing
- 12" Colour touch interface
- Electronic control box for managing all the machine functions
- 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) 3100 mm x 2300 mm x 3200 mm

Workspace size (L x W x H) 2000 mm x 2000 mm x 2000 mm

Build plate volume (L x W x H) 1000 mm x 1000 mm x 1000 mm

Load capacity 1100 kg

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

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

Air Consumption 700l/min (air), 700l/min (gas)

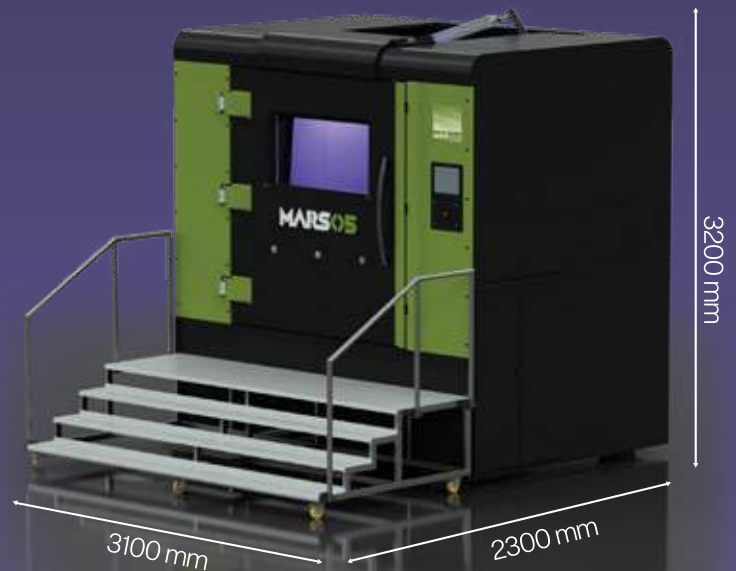
Power 3 x 230/400V, 3/N/PE 50/60Hz

Weight 2300 kg

Optional

Inert gas infusion system

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



Post processing, **redefined.**

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