AM solutions
3D post processing technology

M4 Basic – Cost-effective entry-level for flexible post processing

Surface Finishing

Polymers

Metal

Features & Benefits

- Versatile processing options: e.g. smoothing, grinding, polishing, deburring, etc.
- Suitable for small plastic and metal parts up to a maximum size of 70 × 70 × 25 mm
- Longer process water usage therefore reduced downtime thanks to process water tank
- Cost-efficient solution due to minimal water and electricity consumption
- Flexible, mobile solution with transport rolls and lockable brake
- A compact, ready-to-use, plug-and-play solution that requires no installation
- Process-optimised, in-house developed media for the best results

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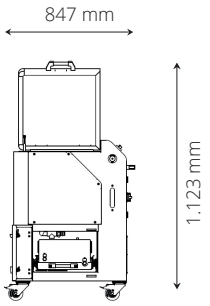
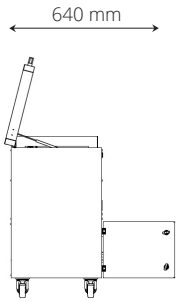
Technical highlights

The M4 Basic is an economical entry-level model designed for the automated post processing of 3D-printed metal and plastic parts from processes such as SLA, SLS, MJF and SLM. It is designed for small workpieces and smal batches. At the heart of the system is a circular vibrator with an integrated process water tank that separates solids from the process water, thereby extending the service life of the system and reducing downtime. When used with specially developed media, compounds and water, it provides an efficient surface finish. This compact, plug-and-play solution can be flexibly integrated into existing production processes, operating in a resource-efficient manner with minimal water and electricity consumption to ensure low operating costs and a small ecological footprint.

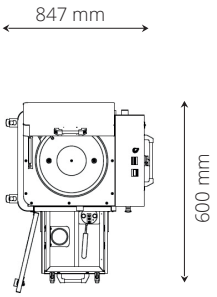
Equipment layout



Front view



Side view



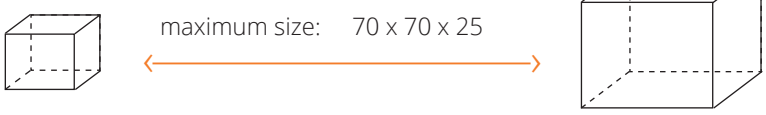
Top view

Equipment specifications

Technical data
Machining volume: 20 l
Working channel width: 120 mm
Max. motor speed circular vibrator: 3,000 U/min
Drive power circular vibrator: 0.3 kW
Noice level with open cover: 69 dB(A)
Process water tank volume: 25 l

Installation conditions
Supply voltage: 230 V / 50 Hz (3~/N/PE)
Control voltage: 24 V DC
Empty weight: 200 kg
Transport: transport rollers with locking brakes

Possible work piece dimension (mm; L x B x H)



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