



WEMATTER DENSITY 2021 GEN. II

WATER JET CABINET FOR POST-PROCESSING OF 3D PRINTED PARTS

MAIN FEATURES

- ▶ **Closed and easy-to-use system for powder cleaning without need for sewer or water connection.**
- ▶ **Integrated compressed air activated at the touch of a button.**
- ▶ **Quick installation with only one power socket needed.**
- ▶ **Spacious and well lit working area with a stainless grid keeping small parts from flushing away.**

CONTACT INFORMATION

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LEADING THE WAY TO THE POWDER-FREE SLS

A great challenge with powder bed 3D-printers like SLS is to handle the powder in a safe manner. Another problem is to get rid of excess powder in an effective way. The conventional way of removing loose and partly solidified powder has been with compressed air and vacuuming and that takes time and leads to powder being everywhere.

CLOSED WATER JET SYSTEM

By using a closed system with recirculating water and a unique filtering system Wematter can provide a totally safe, easy to use and powder-free approach for cleaning SLS 3D-prints in a very fast way. By using pressurized water of up to 100 bars, extraction and cleaning of the 3D-printed components take seconds and the water binds the powder and prevents the powder from spreading. The water passes through a filter which is easily accessible in the chamber.

CONTAMINATION-FREE & POWDER RECYCLING

By utilizing a innovative filtering process the water stays clean, the printed parts are powder-free and all the excess powder is gathered in an accessible powder filter inside the chamber.



WEMATTER DENSITY - WATER JET BLASTING CABINET FOR SLS 3D-PRINTS

TECHNICAL SPECIFICATIONS

| | |
|--------------------------|----------------------------------------------------------------|
| Size when closed | 170 x 75 x 66 x cm (HxWxD) |
| Size when open | 222,5 x 75 x 66 x cm (HxWxD) |
| Input supply | 1 x 230 V AC 10 A |
| Power consumption | 1400 W |
| Weight | 170 kg |
| Water pressure | 50-100 bar |
| Compressed air | Recommended working pressure 4-6 bar Maximum pressure 8 bar |

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