# DATA SHEET

# HARDWARE

## micro factory

| | |
|---|---|
| Product dimensions (W × D × H) | 722x589x830 mm |
| Power requirements | 85~264VAC, 50/60Hz 3.8A / 115VAC 2A / 230VAC |
| Control Panel | Touch Screen |
| Level Calibration | Calibrated in factory |

## Printing

| | |
|---|---|
| | |
| Print volume size (W × D × H) | 198 x 123 x 195mm |
| Resolution | 5760 x 3600 pixel |
| XY Pixel Size | 33 micron |
| Wavelength | 405 nm |
| Light intensity | 8 mW/cm² |
| Layer height | 20-300 μm |
| Resin Level Detection | Yes |

## Cleaning

| | |
|---|---|
| Tank Volume | 10 l |
| Compatible Solvent | Water, any other Cleaning agent |
| Level Detection | Yes |
| Automated Refill | Yes |
| Automated Purification | Yes |
| Automated Drain | Yes |

## Drying

| | |
|---|---|
| Drying Source | Ventilation system |
| Automated drying | Yes |

## Curing

| | |
|---|---|
| | |
| Curing Source | 365nm & 405nm curing LEDs |

# SOFTWARE

| | |
|---|---|
| Print preparation | Cloud-Based Slicing: Data Preparation and Management |
| Supported Devices | Any internet-capable device |
| Supported File type | STL/ OBJ/ 3MF |

| | |
|---|---|
| Connectivity | USB, Wi-Fi, LAN, Live camera |

# RESIN

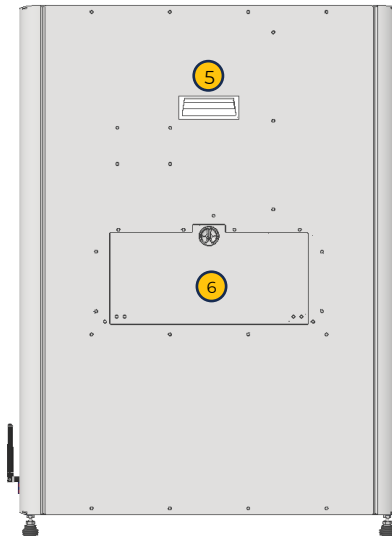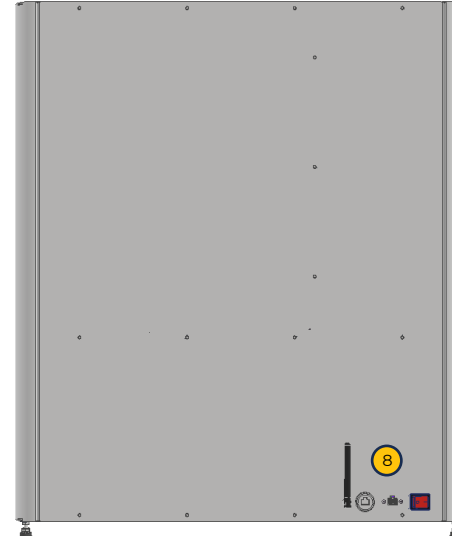| | |
|---|---|
| Open platform, datasets for validated materials | |

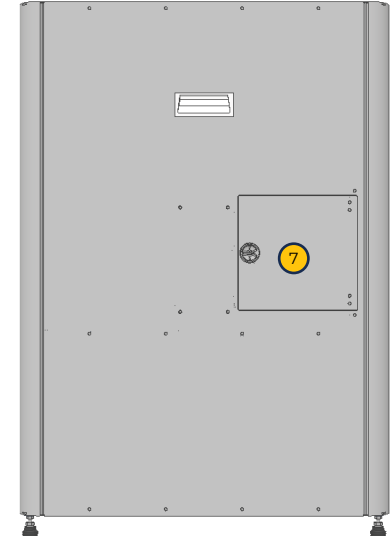micro factory
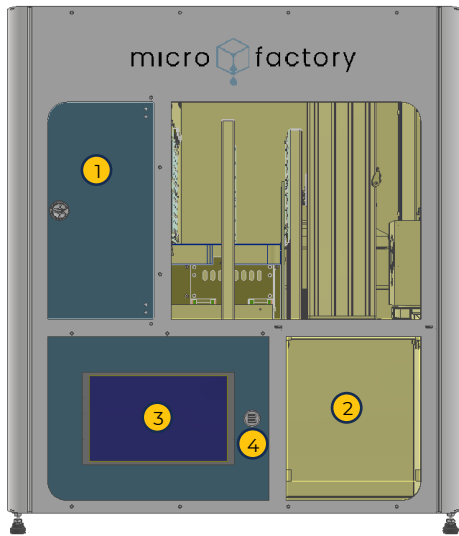
Front side          Left side          Rear side          Right side

1. **Resin section:** Automated material feeding with fill level information.
   **Automated Isopropanol Purification:** Auto-fill, clean, and drain within the machine.
2. **Component ejection:** Automated ejection of the manufactured parts.
3. **Touch input:** Important information, maintenance, and process monitoring directly on the machine.
4. **Input:** 2 USB ports.
5. **Transport handles:** Designed for easy transportation..
6. **Resin tank:** Easy material replacement achieved by swapping the resin tank.
7. **Build Plate Magazine**: Stores up to 50 build plates for automated printing.
8. **Connectivity options:** Power input, Ethernet, and On/Off button.