

# FACTORY 2.0 NET



## FULLY AUTOMATIC PRINTER CALIBRATION

Those are only selected functions which will optimize your work and allow you to make 3D printouts fast and effectively.

## DUAL HEAD WITH LIFT-WHEN-INACTIVE SYSTEM AND WITH FILAMENT FLOW SENSOR

The 3D printer has been additionally equipped with a system of lifting an inactive head. Optionally high-temperature head to 500°C.

## REMOTE CAMERA SUPERVISION

You can observe the progress of the printout on a remote preview in a panel on the website.

## PRINTER FARM MANAGEMENT

The possibility of remotely building and managing a printer set. The printer can be managed through a dedicated web page, so you can easily start printing and control the process remotely.

## ENCLOSED AND HEATED CHAMBER

It makes it possible to effectively print large objects from industrial thermoplastic materials, for example ABS.

## BUILD VOLUME 460 x 460 x 600 mm

You can print big elements or a few smaller ones at the same time.

## TECHNICAL SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| Print technology               | FFF (fused filament fabrication)        |
| Build volume XYZ               | 460 x 460 x 600 mm                      |
| Chamber                        | enclosed, isolated, and actively heated |
| Min. layer height              | 50 µm                                   |
| Build platform                 | heated, glass surface                   |
| Number of printing heads       | 2 – electronic lifting system           |
| Drive type                     | screw drives in all axes                |
| Nozzle diameter                | 0,4 mm (optionally 0,6 / 0,8 mm)        |
| Filament diameter              | 1,75 mm                                 |
| Max. printing speed            | 86 cm <sup>3</sup> /h                   |
| Dimensional accuracy           | +/- 0,2% *                              |
| Automatic platform calibration | yes                                     |
| Air filtration                 | CARBON + HEPA (optional)                |
| Max. head temperature          | 360 °C (optionally 500 °C)              |

|                           |   |
|---------------------------|---|
| Max. platform temperature | 170 °C  |
| Max. chamber temperature  | 70 °C   |
| Communication             | SD card, Ethernet, WiFi   |
| User interface            | 7" LCD touch screen, website + camera   |
| Software                  | Simplify3D  |
| Predefined print settings | Yes, for filaments from Omni3D and for selected filaments from external producers |
| Compatible files          | .stl, .obj, .3mf, .gcode, .factory  |
| Power Supply              | 230 V / 50 Hz (optional 110 V / 60 Hz)  |
| Max. power consumption    | 2,2 kW  |
| Printer dimensions        | 120 x 107 x 77 cm   |
| Printer weight            | 190 kg  |
| Safety certification      | CE  |
| Warranty                  | 12 months (with the option of prolonging)   |

\* Dimensional accuracy depends on whether the model has been appropriately scaled before printing it out – so as to compensate material shrinkage, model geometry, and layer height.