

S2-3D Printer

Very large format printing area

Compliant with the “Machine Directive” (2006/42/CE)

Industrial quality and reliability

Various worked plastic materials

Direct printing from SD Card

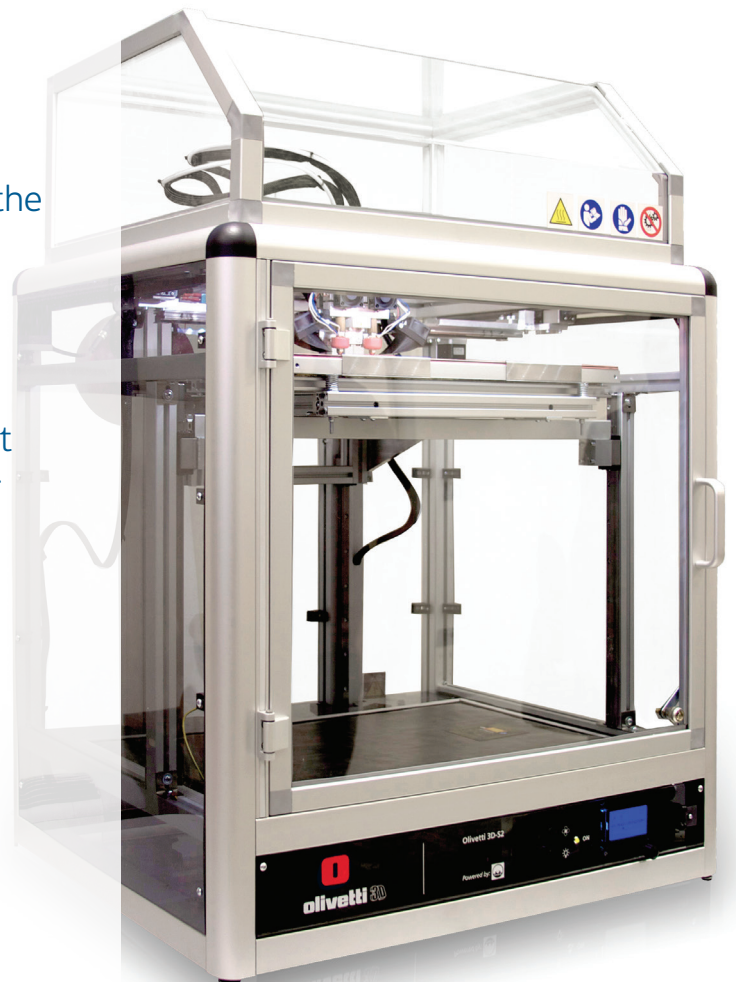
Dual extruder

The Olivetti S2 is the new **3D printer** specifically designed for small and medium-sized enterprises engaged in the digital transformation process.

The very large format printing capacity (up to 400x400x400 mm), the **full compliance with the Safety Rules and the high printing speed** (over 150 mm/sec) make the Olivetti S2 the ideal solution to build rapidly and low cost objects and industrial samples of significant size.

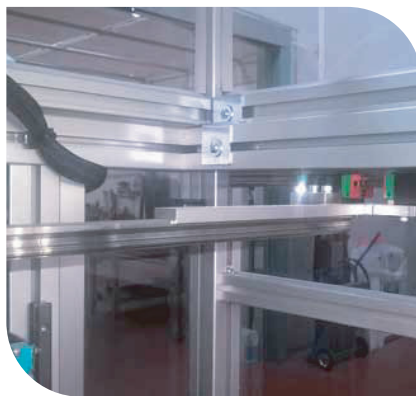
The mechanical and electronic quality of objects meeting industrial standards, and the great reliability and **flexibility** demonstrated in producing objects with several kinds of **thermoplastic material** - also filled-up with wood, carbon and marble - give the Olivetti 3D-S2 an additional cutting edge and make it a reference point for 3D printers designed for professional use.

The use of “**open source**” hardware and software **components** ensures easy implementation of new features.





Very large heated bed in tempered glass, for high operating temperatures



Linear guidance system with ball bearings for centesimal precision



Large formats, multi-materials, multi-colors, infinite number of applications

Technical Specifications

GENERAL FEATURES

Fused Filament Fabrication (FFF)
 Printing Area 400x400x400 mm, among the largest of its category
 Anodized aluminium body, 45x45 mm radial
 Panels in polycarbonate
 Dual extruder
 Large heated bed in tempered glass
 Direct printing from SD card possible without PC
 Printing speed: 150 mm/s
 Nozzle diameters from 0.30 mm to 0.80 mm
 Integrated LCD control panel

LCD PANEL FEATURES

Parameters modifiable during printing:

- Printing speed
- Extrusion temperature
- Heated bed temperature
- Flow rate
- Filament loading and unloading calibration
- Printing and axes movements pause

TECHNICAL FEATURES

Printing Area 400x400x400 mm
 Printing volume approx. 64 liters
 Available nozzle diameters: 0,30 - 0,40 - 0,50 (default) - 0,60 - 0,80mm
 Minimum layer thickness: 0,05 mm (50 microns)
 Precision tolerance, excluding material retraction:
 - X-Y axes: 0,08 mm (80 microns)- asse Z: 0,01 mm (10 micron)
 - Z axis: 0,01 mm (10 microns)
 Extruder maximum temperature: 285° C
 Printing bed maximum temperature: 120° C
 Filament diameter: 1,75 mm

SAFETY

Full compliance with the safety requirements prescribed by the International Directives for Industrial Machineries. The S2 passed all the tests related to the Safety Certification for the Industrial Machinery Standards (Machinery Directive 2006/42/EC (MD)) to preserve the safety of the operators involved in the various phases of the product life cycle
 Closed body structure with front panel lock
 Sensor system to stop the machine in presence of obstacles to the movement of the printing bed
 Emergency Stop button

SUGGESTED SOFTWARE

Repetier host (free)
 Cura (free)
 Simplify 3D

PRINTING MATERIALS

The S2 works with several kinds of thermoplastic material
 The Olivetti catalogue includes PLA, PLA "Layer" (high quality PLA), Nylon filled with carbon, Rubber, SBC, Special Filaments
 Original Olivetti filaments are available in various colours and spool size.
www.olivetti3d.olivetti.com

DIMENSIONS AND WEIGHT

Dimensions:
 - Without packing: 840x740x1.210 mm (WxDxH)
 - With packing: 1.000x1.000x1.400 mm (WxDxH)
 Weight: 98kg

Powered by:



Performance refers to an appropriate use of the product under optimal conditions.
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