# 3D DESK
## 3D Printer

The **Olivetti 3D DESK** is the new desktop printer specifically designed for **schools** and **professional studios** which require optimum performance and reliability.

The closed body design of the Olivetti 3D Desk guarantees the **safety of the operator**, while its **compact size** and **fast printing** speed (up to 200mm/sec) make it the ideal solution for breathing life into a 3D design, quickly and economically.

The quality of the mechanical and electronic components, which meet the stringent requirements of well-known industry directives, and the variety of the type of thermoplastics that can be used, puts the Olivetti 3D Desk firmly at the cutting edge of technology which is ideal for schools and professional studios.

The use of "**open source**" firmware and software components ensures easy implementation of updates and new releases.

**CLOSED BODY TO GUARANTEE THE HIGHEST SAFETY LEVEL**

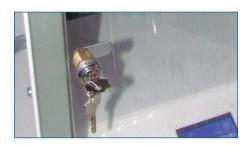**COMPACT DESIGN BUT LARGE PRINTING AREA OF 200 X 200 X 200MM**

**COMPLIANT WITH THE CE REGULATION AND THE MACHINE DIRECTIVE (2006/42/CE)**

**INDUSTRIAL QUALITY AND RELIABILITY**

**DIRECT PRINTING FROM SD CARD**

olivetti

Closed body structure with front panel lock


Industrial grade shell and panels


High print quality and accurate detail

# Technical Specifications

## GENERAL FEATURES
Fused Filament Fabrication (FFF)

Printing Area 200 x 200 x 200mm

Anodized aluminium body, 30 x 30mm radial

Panels in polycarbonate

Single extruder

Direct printing from SD card possible without PC

Printing speed: up to 200mm/s

Interchangeable nozzles (diameters from 0.30mm to 0.80mm)

Integrated LCD control panel

## LCD PANEL FEATURES
Parameters which can be modified during printing:
- Printing speed
- Extrusion temperature
- Flow rate
- Filament loading and unloading calibration
- Pause printing and axes movements

## TECHNICAL FEATURES
Printing Area 200 x 200 x 200mm

Printing volume approx. 8 litres

Available nozzle diameters: 0.30 – 0.40 (default) – 0.50– 0.60 – 0.80mm

Minimum layer thickness: 0.05mm (50 microns)

Precision tolerance, excluding material retraction:

- X-Y axes: 0.04mm (40 microns)

- Z axis: 0.01mm (10 microns)

Extruder maximum temperature: 285° C

Filament diameter: 1.75mm

## SAFETY
Full compliance with the safety requirements prescribed by the International Directives for Industrial Machineries.
(Machinery Directive 2006/42/CE (MD))

Closed body structure with front panel lock

## SUGGESTED SOFTWARE
Repetier host (free)

Cura (free)

Simplify3D

## PRINTING MATERIALS
The 3D DESK works with various kinds of thermoplastic material

The Olivetti catalogue includes PLA, high quality PLA, Special Filaments

Original Olivetti filaments are available in various colours

**www.olivetti3d.com**

## DIMENSIONS AND WEIGHT
Dimensions:

| | |
|---|---|
| Without packing: | 430 x 430 x 680mm (W x D x H) |
| With packing: | 600 x 600 x 940mm (W x D x H) |

Weight:

| | |
|---|---|
| Without packing: | 23 Kg approx. |
| With packing: | 31 Kg approx. |

CE