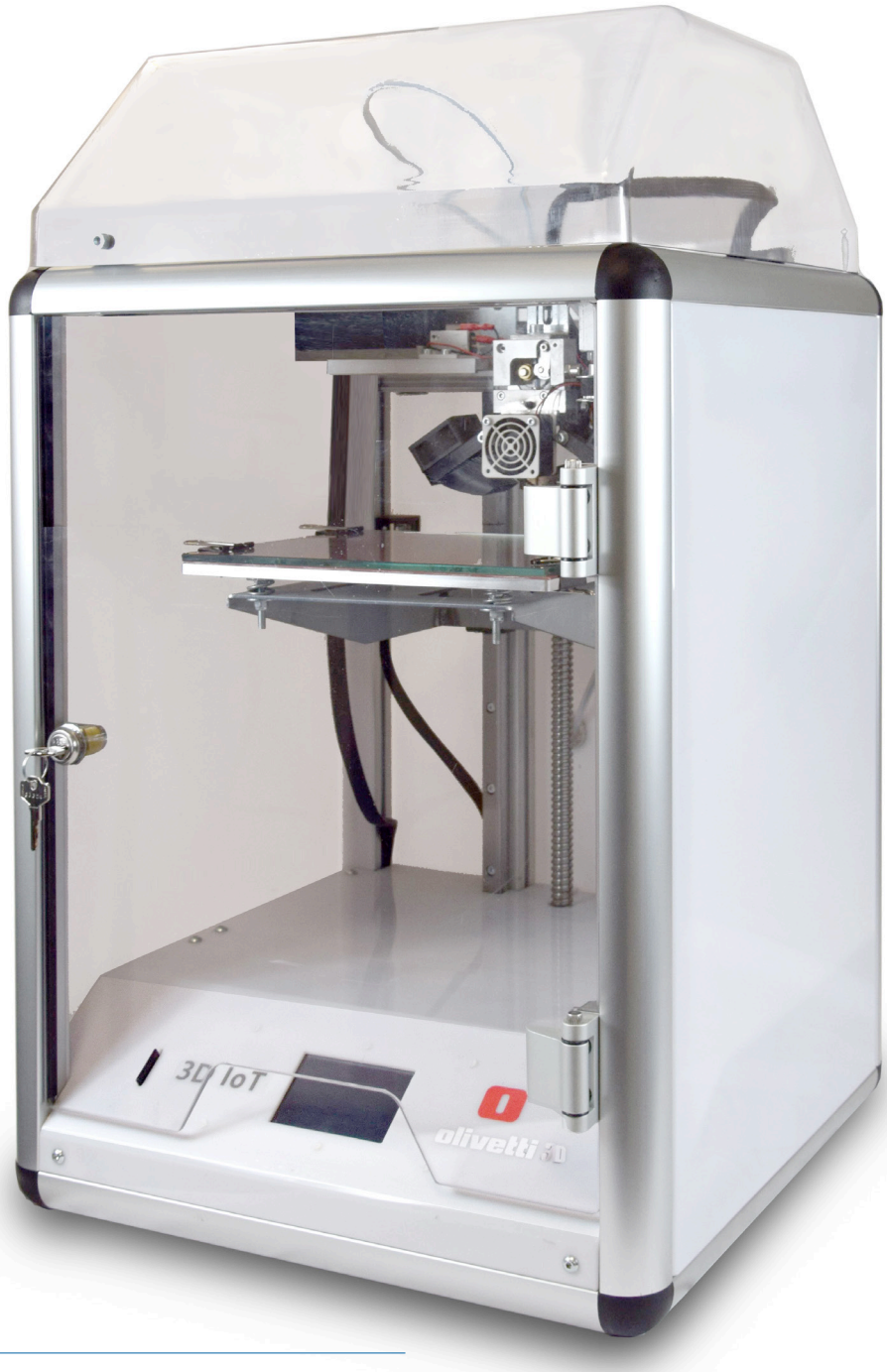
3D IoT
Connected, precise, safe

Olivetti 3D IoT is the new desktop printer for professional use opening up the road to the new 3D printing over network era: exploiting (optional) M2M geographic connectivity, the 3D IoT can be remotely monitored and managed, fully independently of the company network.
This technology has the power to make remote printer access simple, instant and safe.

With industrial standard engineering and the latest in electronics, the 3D IoT is a superb performer, delivering speed, precision, optimal adherence of materials to the printing table and automatic management of end-of-filament or power interruptions, made all the more easy by a touch screen user interface.

The enclosed design, assuring maximum safety during operation, and support for the wide range of thermoplastic materials make the Olivetti 3D IoT the ideal Desktop printer for both professional and industrial use.



COLOUR TOUCH SCREEN

AUTOMATIC SAVING OF PRINT JOB IN EVENT OF END-OF-FILAMENT OR POWER INTERRUPTIONS

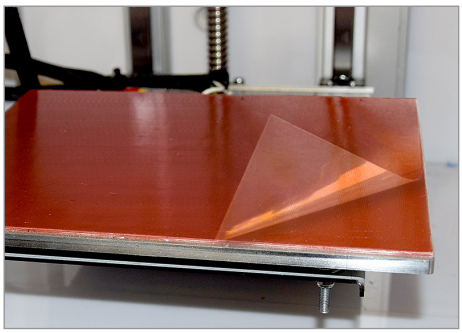
VARIETY OF PLASTIC MATERIALS SUPPORTED, INCLUDING TECHNICAL MATERIALS

ENCLOSED DESIGN FOR MAXIMUM SAFETY OF USE

FULL COMPLIANCY WITH EC STANDARDS

PRINTING AREA 200 MM X 200 MM X 200 MM

olivetti



Heated printing table with surfaces in PEI

3.5" Colour touch screen

Local management via Wi-Fi with (optional) M2M geographic connectivity

TECHNICAL SPECIFICATIONS

GENERAL FEATURES:

Technology:	Fused Filament Fabrication (FFF)
Printing area:	200 mm x 200 mm x 200 mm
Panel:	3.5" Touch Screen, 480 x 320 display, 65,536 colours
Case:	Radiated Anodised Aluminium, 30 mm x 30 mm
Panelling:	Polycarbonate
Extruder:	Single
Printing:	Directly from SD card High speed Card Reader (4bit)
Speed:	Up to 200 mm/sec

PRINTING PARAMETER MANAGEMENT FROM TOUCH SCREEN AND WEBAPP:

Parameter variation during printing phase:	Printing speed Extruder and printing table temperatures Flow adjustment Filament change Printing pause/restart and axes movement

SAFETY:

Full compliancy with EC Safety Standards
Enclosed body, with lock on front door

RECOMMENDED SOFTWARE:

Simplify3D

OTHER FEATURES:

Processor:	STM32 180 MHz 32 bit ARM Cortex M4 processor
Driver/Stepper:	Up to 8 x STSPIN™ Driver, 1/256 step, 2.5A
End-of-filament sensor:	With automatic suspension and saving of print job data
Integrated UPS-like:	With automatic suspension and saving of printing job data in event of power interruption
Heated printing table	
Printing surfaces:	PEI (polyetherimide)
Printing area:	200 x 200 x 200 mm
Printing volume:	8 litres approx.
Nozzles available:	0.30 – 0.40 (default) – 0.50– 0.60 – 0.80 mm
Layer thickness, minimum:	0.05 mm (50 microns), varies according to nozzle diameter
Precision tolerance, including material contraction:	X-Y Axes: 0.04 mm (40 microns)
Axes movement:	Z Axis: 0.01 mm (10 microns) X and Y Axes: linear guides with recirculating ball slides, carriages and linear guide Z Axis: mother screw pitch 5 with recirculating ball screw with linear guides and recirculating ball slides
Operating temperature, maximum:	Extruder: 260 °C Printing table: 100 °C
Filament diameter:	1.75 mm

DIMENSIONS AND WEIGHT:

Dimensions (W x D x H):	Without packaging: 430 x 430 x 680 mm With packaging: 600 x 600 x 940 mm
Weight:	Without packaging: 23 Kg approx. With packaging: 31 Kg approx.

MATERIALS SUPPORTED:

A large variety of thermoplastic materials, including technical materials.
Olivetti catalogue materials: PLA, high quality PLA "Renegade" and "Layer", Rubber, Special Filaments.
Diameter 1.75 mm.

Olivetti original filaments are available in assorted colours and bobbin of different dimensions. For more information, refer to the site www.olivetti3d.com.

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