

OLIVETTI 3D DESK PRINTER

GENERAL FEATURES	
Technology	Fused Filament Fabrication (FFF)
Printing Area	200x200x200 mm
Printing Volume	About 8 liters
Body	Machine body in anodized aluminium 30x30 radiused. The case is in polycarbonate
Extruder	Single
Maximum speed	up to 200 mm/s
Nozzles	Availability of various diameter nozzles, from 0,30 mm to 0,80 mm (default nozzle: 0,40 mm)
Printing management	Direct printing from SD card possible without PC
Control panel	Integrated LCD control panel

LCD PANEL FEATURES	
Printing speed	
Extruder Temperature	
Flow Rate	
Filament loading and unloading calibration	
Printing and axes movement pause	

CARATTERISTICHE TECNICHE	
Layer Thickness	Minimum layer thickness: 0,05 mm (50 microns)
Precision tolerance, excluding material retraction	X-Y axes: 0,04 mm (40 microns) Z: axis 0,01 mm (10 microns)
Axes movement	X and Y axes: linear guides with recirculating ball bearings and linear guide carriage Z axis: mother screw step 5 with spiral ball screw and linear guidance system with ball bearings
Extruder maximum temperature	285 ° C
Nozzle Diameter	0,4 mm Nozzles are interchangeable. The available nozzle kits have diameters: 0,3, 0,4, 0,5, 0,6, 0,8 mm
Filament diameter	1,75 mm

SAFETY AND CERTIFICATIONS	
CERTIFICATIONS	The 3D DESK printer is CE Mark certified The 3D DESK printer is compliant with the following European Directives: <ul style="list-style-type: none"> • 2014/30/UE (EMC) • 2014/35/UE (LVD) • 2006/42/CE (MD) • 2011/65/UE (ROHS)
Safety	Closed body, with panel lock on the front door

SUGGESTED SOFTWARES	
Repetier Host (free)	
Cura (Free)	
Simplify 3D	

FILAMENTS	
Usable filaments	Various kinds of thermoplastic filaments, among which: PLA, charged PLA
Original Olivetti filaments	PLA, High Quality PLA ("Renegade" and "Layer"), Special Filaments derived from PLA

DIMENSIONS AND WEIGHT	
Dimensions:	<ul style="list-style-type: none"> o Without packing: 430x430x680 mm (WxDxH) o With packing: 600x600x940 mm (WxDxH)
Weight:	<ul style="list-style-type: none"> o Without packing: around 23 kg o With packing: around 23 kg