

VLS EdTech Trading LLC.

ONTARIO TOWER - C1801, BUSINESS BAY, DUBAI, UNITED ARAB EMIRATES.
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Technical Sheet

Dremel 3D Printer 3D45

3D45 3D PRINTER



ADVANCED

Print in 50 micron layers with nylon, eco-ABS, & more



RELIABLE

Tested to run for 100's of hours with clog-resistant extruder



SUPPORTED

1-year warranty with lifetime Dremel customer support



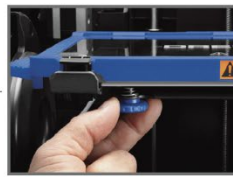
KEY HIGHLIGHTS



Filament recognition automatically changes nozzle and bed temperature settings



Camera integration for remote monitoring and time lapse videos



Semi-automated leveling for fast and accurate calibration



Easy printing via full color LCD touch screen with intuitive interface

PRODUCT	3D PRINTERS	3D45	3D PRINTERS
QUALITY & ENDURANCE TESTING		●	●
50-MICRON RESOLUTION	●	●	●
MULTI-MATERIAL COMPATIBILITY	●	●	●
FILAMENT AUTO-RECOGNITION		●	
ACTIVE CARBON AIR FILTER		●	
HD CAMERA INTEGRATION		●	
LCD TOUCH SCREEN		●	
SEMI-AUTOMATED LEVELING		●	●
WIFI CONNECTIVITY		●	●
RELIABLE BRAND		●	
WORLD-CLASS CUSTOMER SUPPORT		●	
FULLY ENCLOSED CHAMBER		●	

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3D 45 3D Printer Technical Specifications

BUILDING

Printing Technology
Fused Deposition Modeling

Extruder
All-Metal Hot End
Direct Drive
Single Extruder

Build Volume
10 x 6 x 6.7in
402 cubic inches

Z-Layer Resolution
50-300 microns

Materials
Nylon
Eco-ABS
PLA
Polycarbonate

Filament Diameter
1.75mm (0.069 in)

Nozzle Diameter
0.4mm (0.014 in)

Print File Type
.g3drem
.gcode

Internal Storage
8GB

Operating Interface
4.5" full color IPS touch
screen

Build Platform Leveling
Semi-automated Leveling

SOFTWARE

Software Bundle
Dremel DigiLab 3D Slicer
- Based on Cura (Desktop)
Dremel Print Cloud
- Based on 3DPrinterOS

Operating Systems
Mac OS X (v10.9+)
Windows (7, 8, 8.1, 10)

Connectivity
Wifi, USB, Ethernet

TEMPERATURE

Extruder Maximum
Temperature
280°C

Build Platform Maximum
Temperature
100°C

Operating Temperature
16-29°C

ELECTRICAL

Input Rating
100-240V, 47-60Hz,
0.85-2.3Amps

WEIGHT AND DIMENSIONS

Weight
19.4kg (42.8lb)

Dimensions
20.25 x 16 x 15.9 in

