DREMEL DIGILAB 3D45

THE AWARD WINNING 3D45 PRINTER

Starting at $1,999

The 3rd generation, top-of-line, Dremel DigiLab 3D Printer is engineered for anyone from a first-time user to advanced professionals. Backed by lifetime support and a 1- year warranty, the 3D45 is incredibly reliable and built for heavy usage. Easy-to-use features, quick start guide and everything you need to go from unboxing to printing in minutes.

Compatible with Nylon, ECO-ABS, PETG and PLA filaments

Automatic filament detection

Automatic 9-point calibration to help prints stick to build plate and resist clogs

Clog resistant, all-metal extruder heats up to 280°C, with active filament monitoring

Carbon and particulate filters to help protect against emissions

1-year warranty, lifetime customer support

50 Micron Print Resolution

Easily accessible USB input to transfer files to printer

Network-enabled to send or queue prints over WiFi and Ethernet

KEY FEATURES

Heated Build Plate heats up to 100 C allowing you to print different filament types including PLA, PETG, ECO-ABS and Nylon.

Built-in HD Camera for remote print monitoring. Watch how your print is progressing in real-time from a computer or mobile device.

RFID Tagging auto detects filament type loaded then adjusts nozzle and build plate to optimized setting for effortless operations.

4.5" Color Touch Screen makes it easy and intuitive to navigate and operate the printer functions and settings.

Print Functional Parts print stronger, more flexible, and more durable parts. Filament such as our ECO-ABS or Nylon.

WHAT SETS OUR 3D PRINTERS APART?

3D40-FLEX AND 3D45 HAVE THE FOLLOWING 4 CORE BENEFITS:

RELIABLE PRINTING STARTS WITH THE EXTRUDER

The Filament Run-Out Detection resumes printing where you left off when filament runs out. The all-metal extruder nozzle is clog resistant and delivers smooth 3D prints. The built-in automatic Leveling Sensor adds precision leveling for even more reliable printing. The high-powered, direct drive extruder can heat up to 280°C for flexibility in different print materials.

CHROMEBOOK AND iPAD COMPATIBLE

Both Cloud and Desktop (downloadable) software solutions available making these Dremel 3D Printers compatible with PC, MAC, Chromebooks or iPads.

NETWORK FRIENDLY

Equipped with Static IP, Proxy and Dual 1GHz processors, our printers achieve fast and reliable cloud printing. Admins and Users can connect via LAN, Wi-Fi or Cloud. This enables managing user access, queue prints, view print history and run reports using the Admin portal. The Advanced Fleet Management software allows for user access levels, reporting and analytics. Available printers can be selected to print from and printer access sharing with remote users.

HIGH QUALITY AND RESOLUTION

Dremel Digilab 3D printers are high-performance printers which can print difficult overhangs (up to 80 degrees). They deliver ultra fine resolution with 50 Micron (1/20th of mm) layers in print thickness. They are manufactured using high quality components, internally tested (800 hours) for safety and performance and 3rd party tested by UL.

FEATURE COMPARISON - 3D PRINTERS
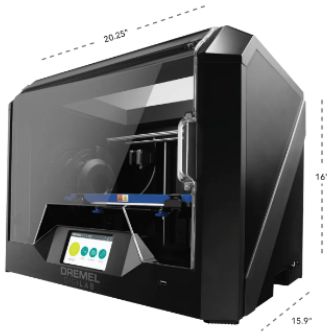
**Also available as
EDU-Bundles
(see page 7)**

		3D40 FLEX **Starting at $1,499**	**3D45** **Starting at $1,999**
PRINTING	Build Size (in.)	10.0 x 6.0 x 6.7	10.0 x 6.0 x 6.7
	Total Build Volume	402 cubic in.	402 cubic in.
	Minimum Layer Height	50 microns	50 microns
	Build Platform	Flexible Steel on Glass	Heated Glass
	Single Extruder	●	●
	Automatic 9-Point Calibration	●	●
CONNECTIVITY	Wi-Fi-Enabled	●	●
	Cloud Connectivity	●	●
	Ethernet	●	●
	Mobile Web Optimized	●	●
	USB Stick	●	●
HARDWARE	Clog-Resistant Extruder	●	●
	Semi-Automatic Leveling	●	●
	Fully Enclosed	●	●
	LCD Touchscreen	●	●
	HD Camera		●
FILAMENT	PLA Compatible	●	●
	PETG Compatible		●
	ECO-ABS Compatible		●
	Nylon Compatible		●
	Filament Auto-Recognition		●
	Run-Out Detection	●	●

3D45 Tech Specs

Hardware

Extruder
All Metal-Hot End Direct Drive

Build Platform
Heated Plate, tempered Glass

Build Volume
255x155x170mm (10x6x6.7in)

Layer Resolution
50-340 micron

Touchscreen Size
4.5 in (diagonal) Full Color IPS

Printer Size
645x406x404mm
(20.3x16x15.9in)

Leveling
Semi-Auto Leveling

Extruder Max Temp C
280° Celsius

Print Bed Max Temp C
100° Celsius

Weight (shipping)
47.1 lb / 21.5 kg

Weight (3D printer only)
36.3 lb / 16.5 kg

Connectivity
USB, WIFI, Ethernet

Material Types
PLA, PETG, Nylon, Eco-ABS

Internal Storage
8GB

Electrical Input Rating
100-240 V, 47-60 Hz, .85-2.3 amp

Software

Software Options
Dremel Digilab 3D Slicer, Dremel Print Cloud, Simplify 3D, Polar3D

File Type Accepted By Slicer
STL, OBJ, 3mf, BMP, .g, .gcode, GIF, JPG, JPEG, PNG, x3d

File Type Accepted by Printer
GCODE, G3DREM, .g

Mac Requirements
Mac OS X Version 10.9+

Windows Requirements
Windows 7, 8, 8.1, 10