DREMEL DIGILAB 3D40 FLEX

THE BEST VALUE OPTION

Starting at $1,499

Designed for beginner to intermediate users, the 3D40 FLEX is the best value 3D printer option. Manufactured with high-quality components, the 3D40 FLEX is internally tested (800 hours) for safety and performance and 3rd party tested by Underwriters Laboratories (UL).

Generous Build Volume
(10 x 6 x 6.7 inches)

Print High-Quality Parts with PLA filament
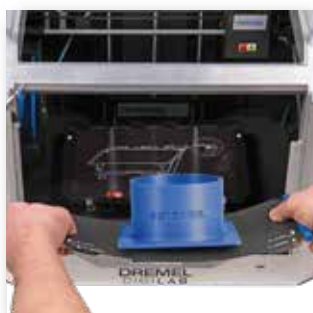
Quiet Operation

50 Micron-Print Resolution

1-year Warranty, lifetime customer support

Semi-Automated Leveling

Easily Accessible USB input to transfer files to printer

KEY FEATURES

Flexible Build Plate with ergonomic handles and a magnetic snap-on mechanism makes build plate and print removal easy and fast.

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

Fully Enclosed Housing* improves print quality, reduces warping, cracking, and VOC emissions – all in quiet operation.

Automated 9 Point Leveling Sensor* detects any variation in the print bed and automatically accounts for it for more successful printing.

*also included with 3D45

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
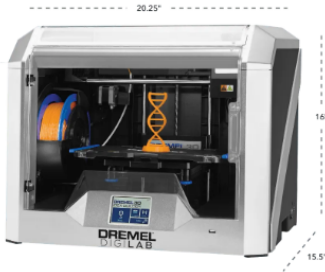
Also available as EDU-Bundles (see page 7)

		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	●	●

3D40-FLX-01 Tech Specs

Hardware

Extruder
PTFE direct drive

Build Plate
Flex Plate

Build Volume
255x155x170mm (11 x 6 x 6.7in)

Layer Resolution
50-340

Touchscreen Size
3.5in full color ips

Printer Size (in)
20.25 x 16 x 15.5

Leveling
Semi-Auto Leveling

Extruder Temp C
230 Degrees

Weight
16 kg / 35 lbs

Weight (3D printer only)
13.8 kg / 34.4 lb

Connectivity
USB, Wi-Fi, Ethernet

Material Types
PLA

Internal Storage
8GB

Electrical Input Rating
100-240 V, 47-60 Hz, .8-1.8 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, 11