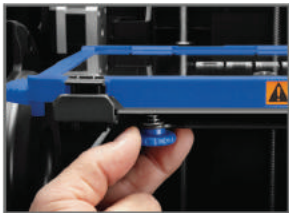# 3D45

Advanced capabilities
for greater efficiency
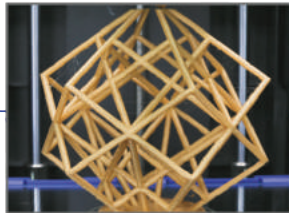
REPRESENTED BY:
Allegheny Educational Systems, Inc.
320 East 3rd Avenue
Tarentum, PA 15084
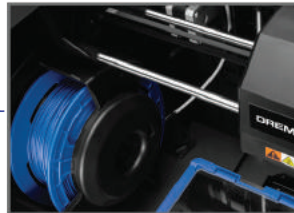Phone: 800-232-7600
www.alleghenyedusys.com

KEY HIGHLIGHTS

Heated build plate allows you to create strong and flexible prints using Nylon, eco-ABS, PETG, and PLA filament
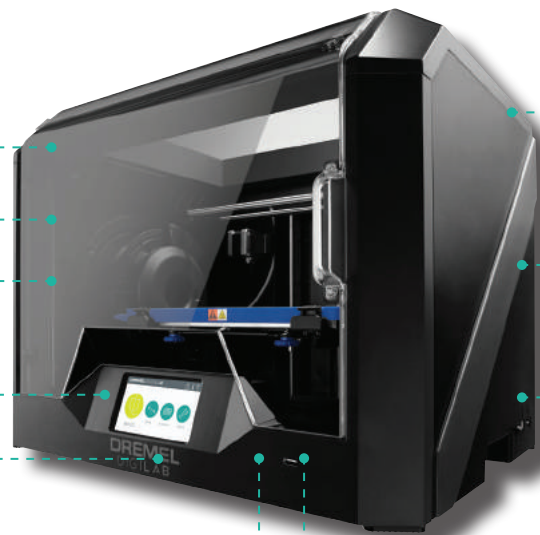
50 micron print resolution extrudes 1/20th of a mm in layer thickness

RFID reader allows you to spend less time adjusting settings; automatic filament detection system will adjust settings automatically

Integrated camera allows you to monitor prints remotely and record the print start to finish

Integrated HD camera

Automatic filament detection

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

Full-color touch screen

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

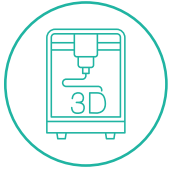Clog resistant, all-metal extruder heats up to 280°C, with active filament monitoring

Carbon and particulate filters to help protect against emissions

1-year warranty, lifetime customer support

Heated print bed, up to 100°C

Easily accessible USB input to transfer files to printer

50 micron print resolution

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

3D PRINTER

Comparison
Chart

3D45

		3D45
PRINTING		
Build Size (in.)		10.0 x 6.0 x 6.7
Total Build Volume		402 cubic in.
Minimum Layer Height		50 microns
Build Platform		Heated Glass
Single Extruder		●
Automatic 9-Point Calibration		●
CONNECTIVITY		
Wifi-Enabled		●
USB Connectivity		●
Ethernet		●
Mobile Web Optimized		●
USB Stick		●
HARDWARE		
Clog-Resistant Extruder		●
Semi-Automated Leveling		●
Fully Enclosed		●
LCD Touchscreen		●
HD Camera		●
FILAMENT		
Nylon Compatible		●
PETG Compatible		●
Eco-ABS Compatible		●
PLA Compatible		●
Filament Auto-Recognition		●
Run-Out Detection		●
Cost per 1/2 kg Spool		$30-40
Spools Included in Box		2 Non-PLA EDU Version: 2 PLA, 2 Non-PLA
ECOSYSTEM		
Professional Development		Available with EDU Version
Standards-Based Lesson Plans		Available with EDU Version
UL-Certified		●
1-Year Warranty		●
Lifetime Tech Support		●