LeveL
and LeveL UP

By **SynDaver**

Easy to Use & Reliable

Repeatable, Accurate Results

Proven Design and Quality

Outstanding Warranty*
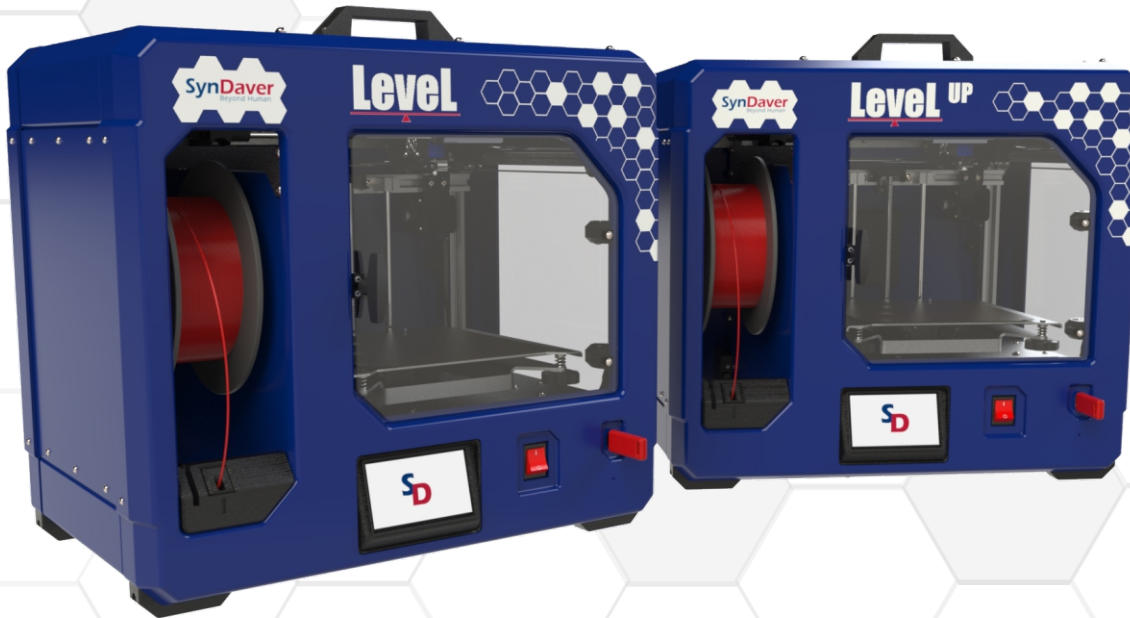
The SynDaver® LeveL™ and LeveL UP are low cost, easy-to-use, desktop 3D printers

This pair of printers is designed for a wide array of users including students, hobbyists, designers and manufacturers. The **LeveL** offers an intuitive and easy-to-use interface while delivering quality and dimensionally accurate results. The **LeveL UP** adds additional features that are ususally found on higher priced printers.

Both printers support a wide range of filaments from various manufacturers -- keeping material and operating costs to a minimum. Built on industry-proven technology and backed by a one and three year warranty*, the Syndaver LeveL and LeveL UP 3D Printers provide reliable and quality printing both now and well into the future.

* Warranty excludes consumables.
  3 year warranty on the LeveL UP only
  1 year on the base LeveL

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SynDaver
Beyond Human

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KEY FEATURES

Enclosure
Fully enclosed with a 180x180x180mm build volume that is thermally vented through a carbon filter. Includes a handle and filament spool holder that can be used internally or externally.

Quality Toolhead
Combines a 1.75mm E3D hot end with a scientifically designed cooling fan. LeveL UP includes a hardened steel nozzle for abrasive materials.

Mesh Compensation & Bed Leveling
Mesh leveling is included to create a uniform base for printing, which improves bed adhesion and print quality. Both printers allow for editing of the mesh and the LeveL UP has a sensor for automated leveling and mesh generation.

WiFi and USB
USB direct and USB stick are standard on both printers, however, the LeveL UP can also use WiFi. With a Wifi connection, print files can be uploaded, while also controlling the printer and checking print status. Multiple SynDaver 3D printers can be managed at the same time using the Symple Slicer.

Heated Bed Plate
Fully heated bed plate ensures good print adhesion to the build plate and layer adhesion throughout the build process.

Filament Runout Sensor
Detects when filament runs out and pauses printing. Filament can be added and then the print resumed.

Removable & Flexible Build Surface
A PEI-coated build surface provides good material adhesion and detachment. A flexible and removable bed means prints are easy to access and remove.

Lighting
Controllable lighting illuminates the printer interior along with a directed lighting for the toolhead. The LeveL UP has additional stage lighting that surrounds the model to see the details of the print.

Camera
Integrated camera on the LeveL UP provides visual feedback via WiFi so you can keep tabs on the progression of your print.

	LeveL	LeveL UP
Fully Enclosed w/ Carrying Handle	✔	✔
Build Volume (mm, 180 x 180 x 180)	✔	✔
4.3" LED Display	✔	✔
USB to Computer	✔	✔
USB Thumb Drive	✔	✔
Heated Bed (up to 120C)	✔	✔
E3D Hotend (up to 290C)	✔	✔
Powder Coated PEI Flex Plate	✔	✔
RunOut Sensor	✔	✔
Editable Mesh Leveling	✔	✔
Led Lighting	✔	✔
Thermally Controlled Ventilaton	✔	✔
Standard Open Materials up to 290C	✔	✔
Internal / External Spool Holder	✔	✔
WiFi		✔
Carbon Air Filter		✔
LED Stage Lighting		✔
External Spool Holder		✔
Abrasive/Filled Materials		✔
Automated Mesh Bed Leveling		✔
Camera		✔
Warranty (years)	1	3

TECHNICAL SPECIFICATIONS

Build Size (LxWxH): 180 x 180 x 180 mm
(7.09 x7.09 x 7.09 in)

Print Surface: PEI, Removable, Flexible

Print Surface Max Temp: 120°C

Print Surface Leveling: Mesh, Manual Probing, Editable Automatic Probing on LeveL UP

Filament Size: 1.75mm

Supported Filaments: All Major Filaments up to 290°C
(PLA,ABS,PETG, Nylon, Polycarbonate, TPU and more)
Abrasive Materials (LeveL UP)
(Fiberglass filled, Metal filled, Wood filled, Carbon Fiber filled and more)

Nozzle: 0.4mm, Max Temp 290°C
Hardened Steel (Level UP)
(wear resistant,nanocoated)

Layer Resolution: 50 microns (.05 mm)

Connectivity: USB stick, USB direct, WiFi (LeveL UP)

Slicer Software: SynDaver SympleSlicer
(open slicer)

File Types: .STL, .OBJ, .JPG, .PNG

Physical Size (HxWxD): 571 x 597 x 457 mm
(19 x 20 x 14.75 in)
(NOTE: add 38 mm or 1.5 in to height for handle)

Weight: 13.6kg *(30 lbs)*

Warranty: 3 Years LeveL UP, 1 year LeveL Materials and Workmanship
(90 days toolhead & bed plate)

Country of Origin: Made in the USA

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