




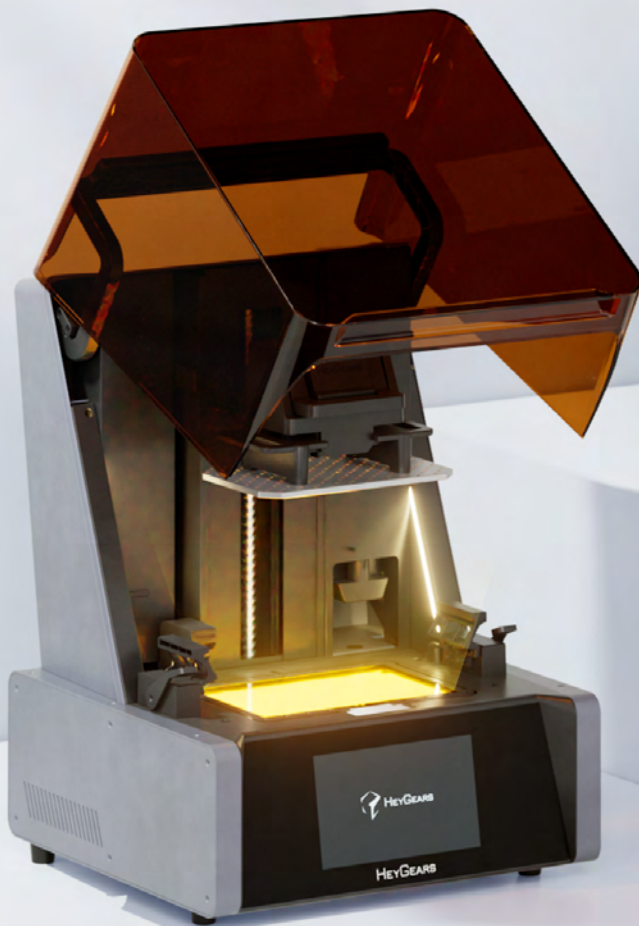
ULTRACRAFT Reflex **Turbo**

New Upgraded Screen
Your One-stop Production Platform

 Enhanced
Amber Screen

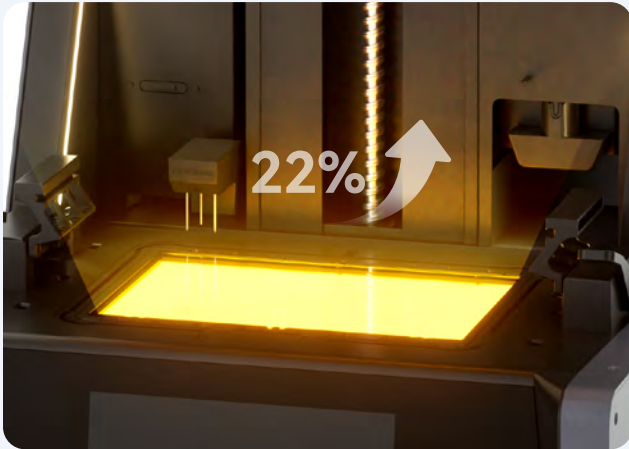
 385+ nm UV
Light Source

 C5 Grade
Z-axis Module



22% Increase in Contrast Ratio*

- The Amber Screen features dyed polarizer films that allow for better control of light transmittance, resulting in a 22% enhancement in contrast ratio compared to the previous generation.



2.5X Longer Screen Lifespan*

- The dyed polarizer film utilizes dye macromolecules with excellent UV resistance, which reduces contrast decay and enhances light projection reliability, ultimately extending the screen's lifespan.

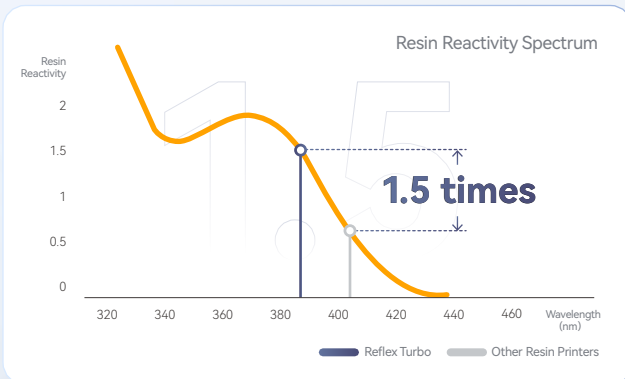


*Data sourced from HeyGears Lab, compared to the previous generation

385+ nm UV Light Source

- 1.5 times more powerful curing than that of other resin 3D printers*

Enables compatibility with high-performance resins such as ABS-like, polycarbonate-like, and rubber-like resins.



*Data sourced from HeyGears Lab

Reliable C5 Grade Z-axis Module

- High repeat positioning accuracy ensures layer positioning errors are no more than 2 μm .*



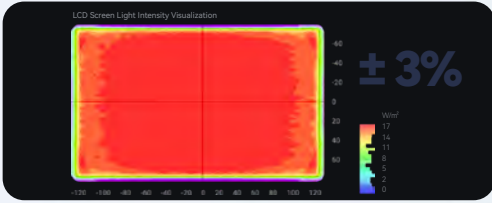
*Data sourced from HeyGears Lab, 96% of repositioning errors are within 1 μm , and 99.9% of the errors are no more than 2 μm



02

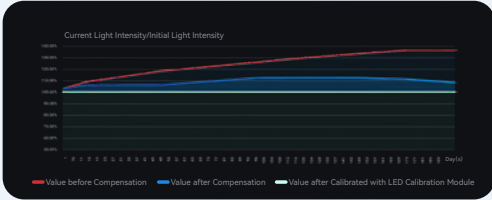
93%* Production Consistency

Reliable printing quality aids product development and final commercial production.



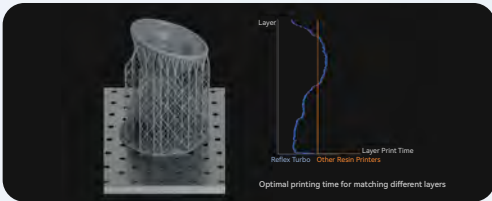
High Print Consistency Across the Build Platform

The LCD screen is pre-calibrated to ensure light intensity variations are within 3%** for consistent printing results across the build plate.



Long-lasting Printing Consistency During Printer Lifetime

The Reflex Turbo features automatic light intensity compensation by testing and recording light source aging data, for consistent printing results throughout the printer's lifespan.



Dynamic Motion Algorithm 3.0

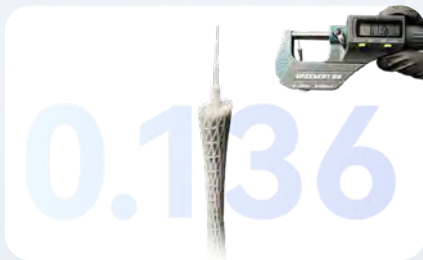
This algorithm evaluates the printing difficulty for each layer based on various factors, including cross-sections, part spacing, and quantity, and selects the appropriate parameter set from 18 adapted motion control options.

*Data is sourced from the yield rate of HeyGears's own factory data
**Data sourced from HeyGears Lab

03

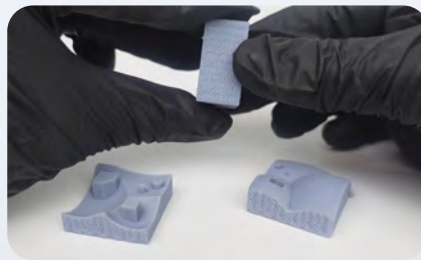
A High-quality 3D Printer

Clear surface details, high assembly accuracy, and high consistency



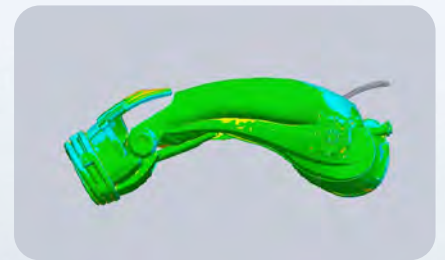
0.136 mm*
Smallest Pillar Diameter

*Test Using UltraPrint PAP10 High-Precision Production Resin



Precise Assembly*
for Multi-Part Models

*Test Using UltraPrint PARP10 Rapid Prototyping Modeling Resin



90.6%*
Detail Restoration

When comparing 3D printed models to their digital designs, 90.6% exhibit a surface tolerance of within 0.05 mm.

*Data sourced from HeyGears Lab



04

One Click to Pre-process

Professional level results, minimal effort.

Ready to Print within **10 minutes***

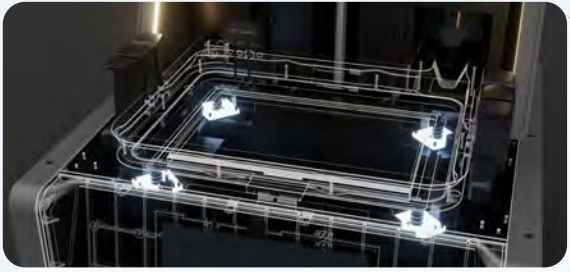
Learning Time Less than **60 minutes**



*Data sourced from HeyGears Lab

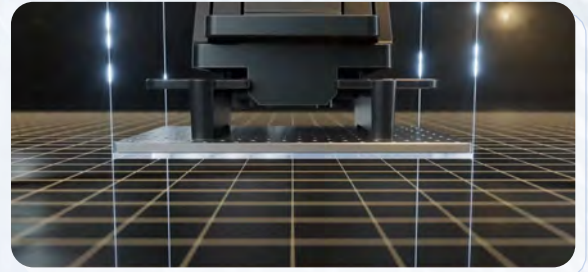
05

Automated Printing Assistance



High-sensitivity Residue Detection

Force sensors with a sensitivity of 0.1 N can detect resin residue as small as 0.2 mm and can auto-stop upon detection or print failure.



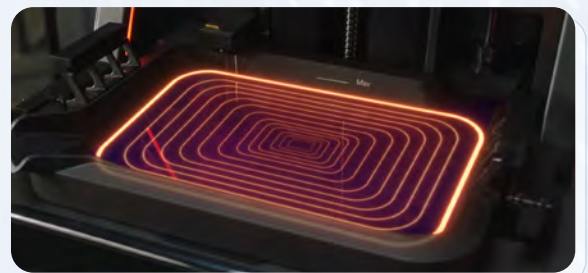
Floating Screen Auto Leveling

A floating screen system with a deviation of 0.15° eliminates gaps of up to 240 µm for automatic leveling.



Automatic Resin Refill

Resin quantity detection with an accuracy of within 5 g, and automatic resin refill before and during printing.



Automatic Resin Heating

The heated resin tray elevates resin temperature from 50 °F (10 °C) to an optimal 73 °F (22 °C) in 20 minutes, while auto heating maintains this temperature throughout the printing process for optimal results.

*Data sourced from HeyGears Lab

06

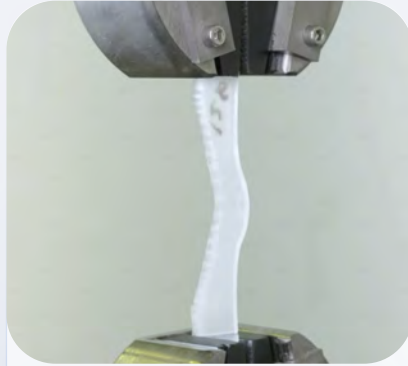
Advanced Material Options

The UltraCraft Reflex Turbo offers **1.5 times** stronger curing than most resin 3D printers*, thanks to its unique **385+ nm** UV light source, allowing for advanced materials and enhanced print performance.



88% Light Transmittance

UltraPrint PAT10
Transparent Modeling Resin



Tear Strength 68 N/mm

UltraPrint PAE20
Elastic Production Resin

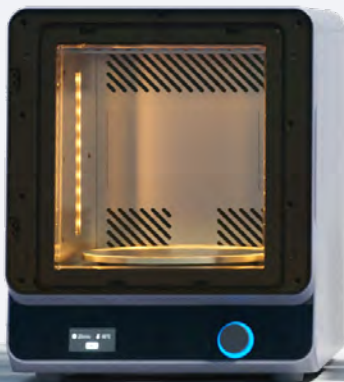


109 MPa Flexural Strength

UltraPrint PAU20
General Purpose Tooling Resin

07

A Comprehensive Selection of Compatible Accessories



ULTRACRAFT
Cure



ULTRACRAFT
Wash



ULTRACRAFT
Pulsing Release Module



*Compared to resin 3D printers using 405 nm UV curing.


Reflex Turbo Specifications


3D Printing Technology	LCD (MSLA)
Screen	9.25-inch Amber Screen
Build Volume	192x121x220 mm
XY Native Pixel	33 μ m
Accuracy	\pm 16 μ m
Layer Thickness	25–150 μ m
Connectivity	USB/WIFI/LAN
Size	400x420x572 mm
Weight	25 kg
Rated Power	350 W
Voltage	100–240 V~50/60 Hz
Language	English, Simplified Chinese, Japanese


HEYGEARS

HeyGears was founded in 2015 as an innovation-driven company, devoted to providing digital manufacturing solutions in various industries. The company bases its core competencies in 3D printing, software development, materials, and big-data handling. We have a global presence with teams across North America, Latin America, Europe, Middle East, and Asia Pacific.

HeyGears believes in a product development process rooted deeply into vertical applications, and our vision goes beyond just 3D printing technology. We strive to create vertically integrated solutions through the solid establishment of hardware, software, material, and service platforms, delivering our goal to bring advanced technology into daily life.

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