



Define the Future of Digital Dentistry

Flashforge New High-precision
CPIP Technology Dental 3D Printer



Focus 6K

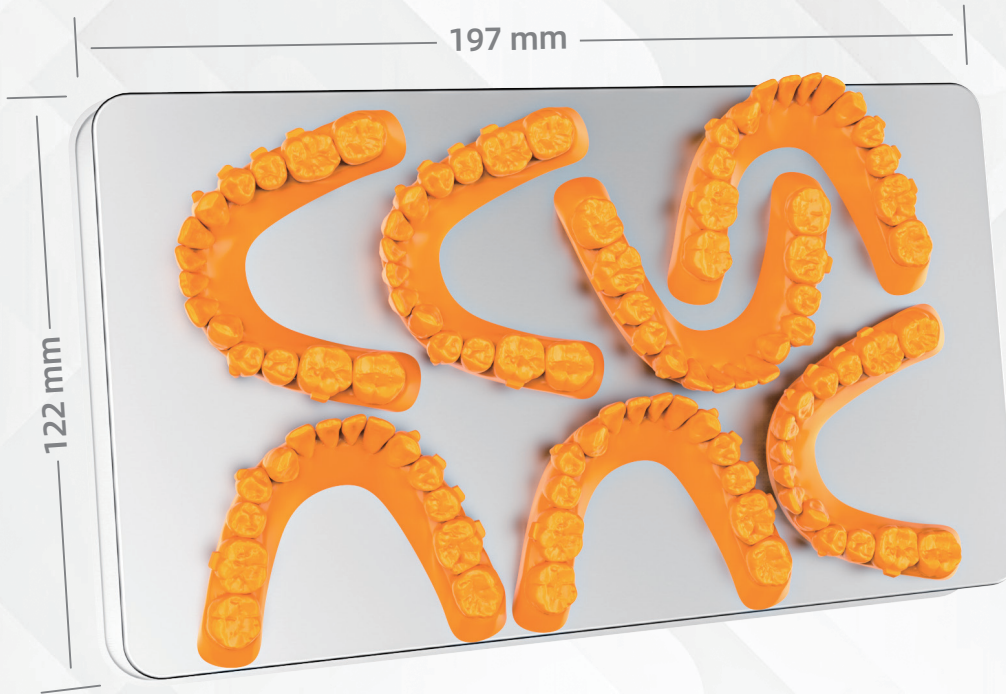


Focus 6K

Professional-grade dental 3D printer characterized with large format, outstanding quality, high efficiency and stable production. One machine matches multiple dental applications such as implanting, restoration and orthodontics, contributing to the digital transformation of dental clinics and denture processing factories.

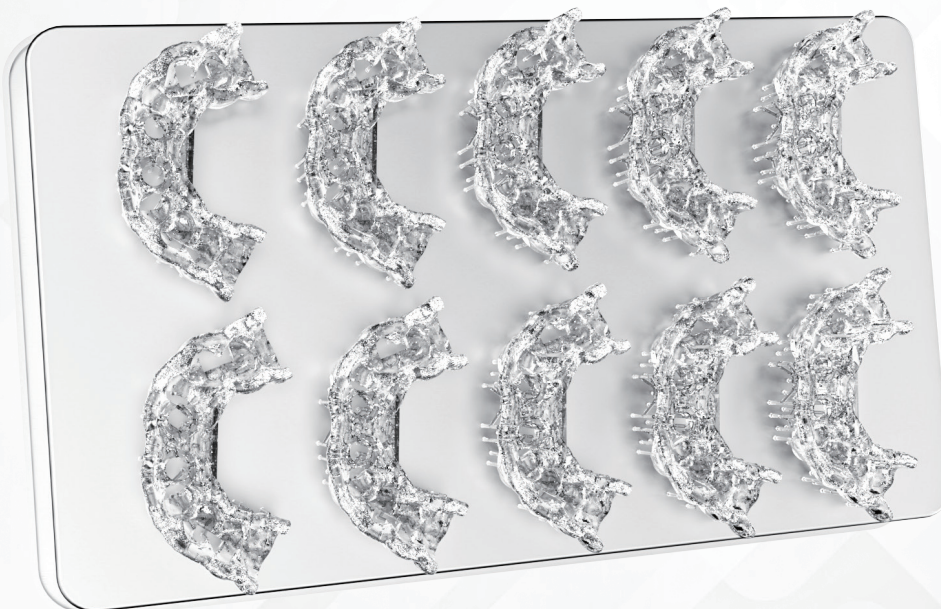
Large format and fast printing

The forming format is 197*122mm, effectively improving the printing efficiency.



Orthodontic Dental

- ◆ 6-8 pcs/plate
- ◆ Printing Time \approx 25min
[100 μ m layer height]



Implant Guides

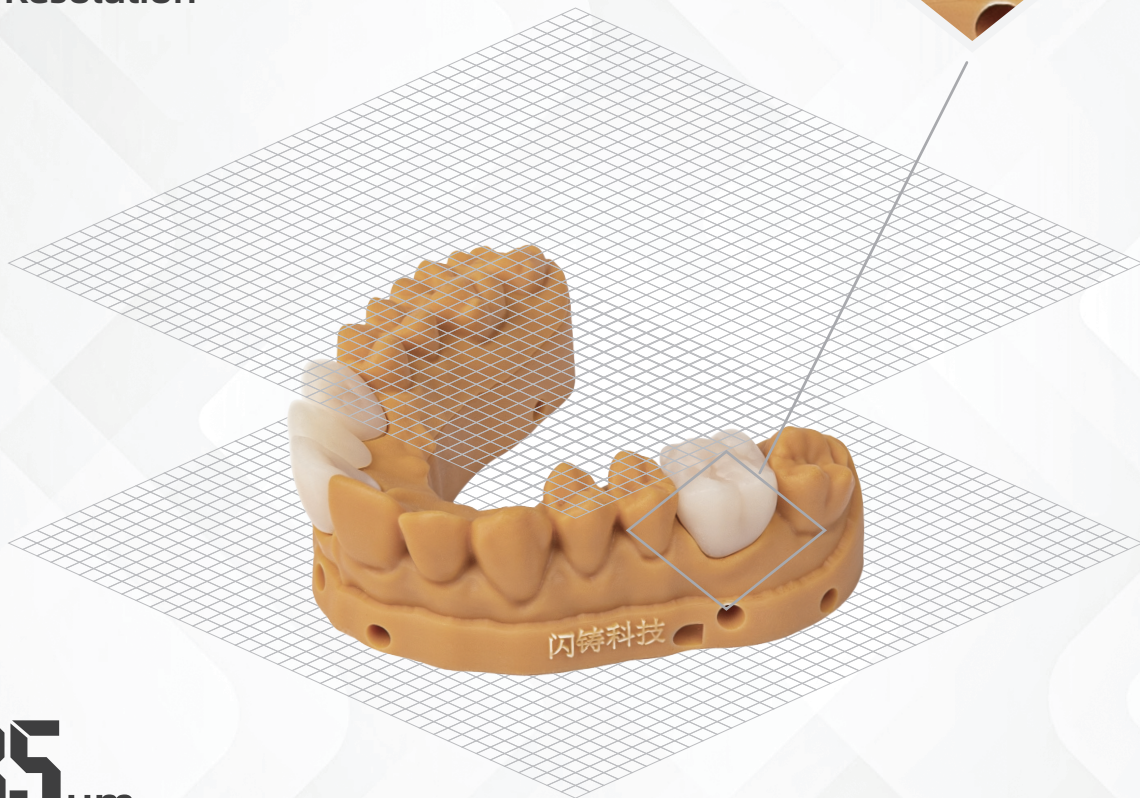
- ◆ 10-15 pcs/plate
- ◆ Printing Time \approx 65min
[50 μ m layer height]

6K

Displaying more delicate details

By adopting the industrial-grade 6K monochrome screen with the resolution as high as 5760*3600 and the pixel size of 35 μ m, it can accurately locate the detailed features and maximize the restoration of dental model design schemes.

5760
x
3600
Resolution



35 μ m
Pixel Size

Industrial-grade

Self-developed optical engine

Light source design optimization; Unique optical control system;
Uniform, efficient and stable light intensity output.

6000
uw/cm²
Light Intensity

≥ 90%
Light Uniformity

50 mm/h
MAX Printing Speed

No light uniformity control

Focus 6K

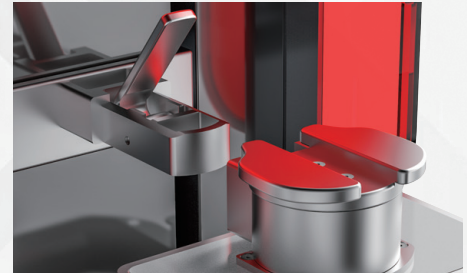


Intelligent guide rail assembly unit

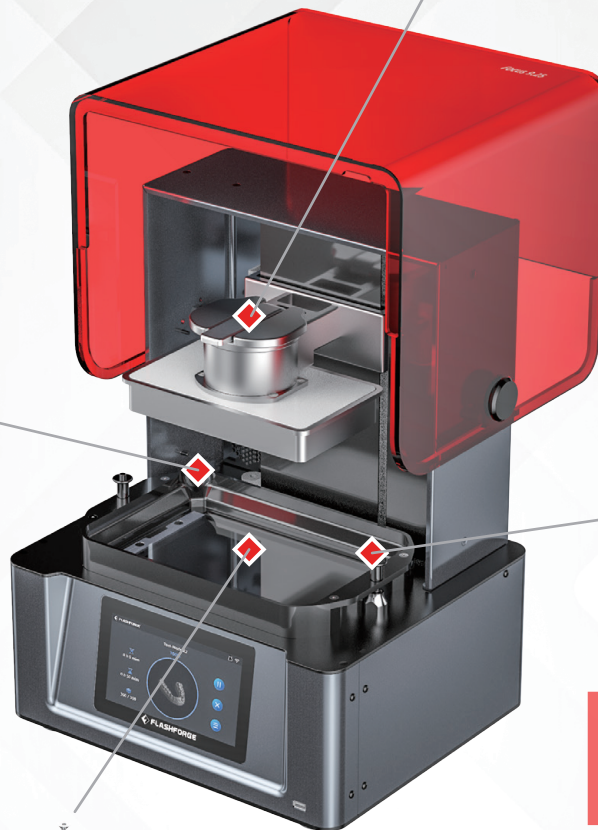
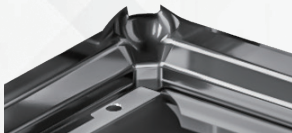
It adopts the industrial-grade dual linear guide rail and ball screw to ensure accurate and smooth operation, and eliminate printing layer lines.

Humanized designs down to the smallest detail for more friendly operation

One-touch platform fixing, with the buckle structure adopted, brings easier disassembly and assembly of the platform; The sturdy and durable all-aluminum design ensures stable production.



The diversion port design is convenient for pouring materials and avoiding residues.



One-touch resin vat locking. Disassemble in seconds and assemble in seconds;



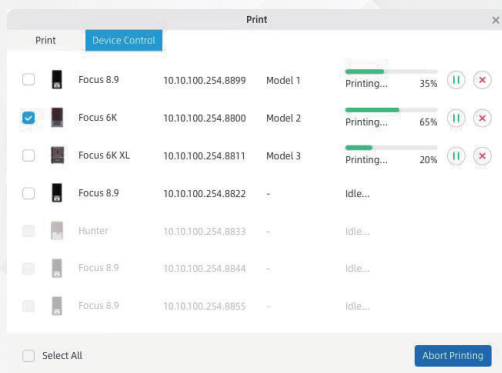
The release film can be quickly replaced in 1 minute, which saves the trouble of disassembly.

FlashDental

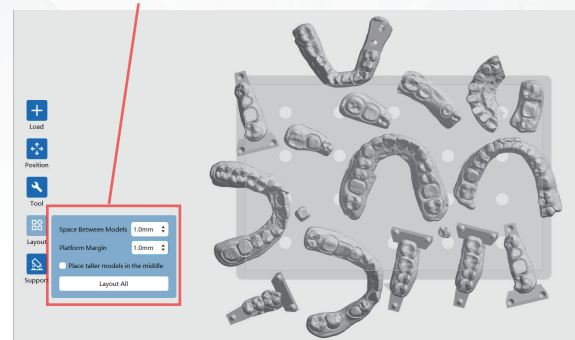
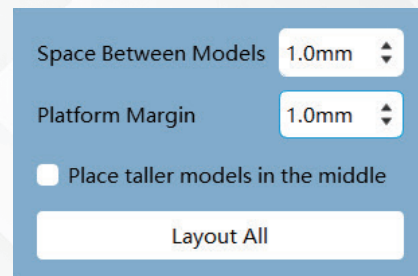
Professional slicing software

The self-developed professional dental slicing software has a newly upgraded operation interface, which caters to the operation habits of dental users better, effectively simplifies the dental model pre-processing workflow, and improves the model processing efficiency.

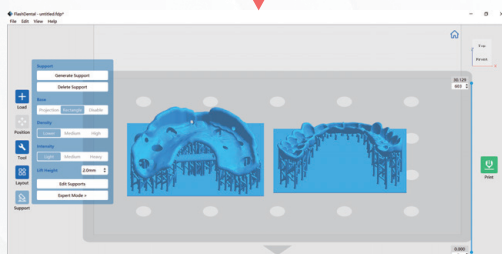
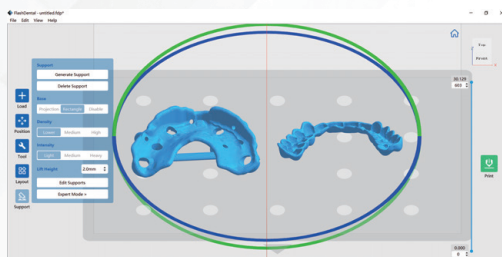
Multi-device list management



One-click intelligent layout



One-click support adding



Flashforge Digital Dental Solution

Customization, large-scale, high efficiency, to meet the needs of mass customized production, to help users achieve digital transformation.

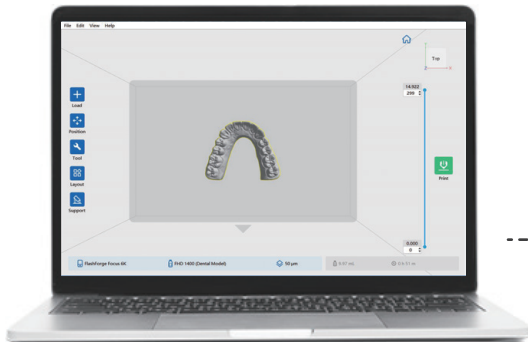
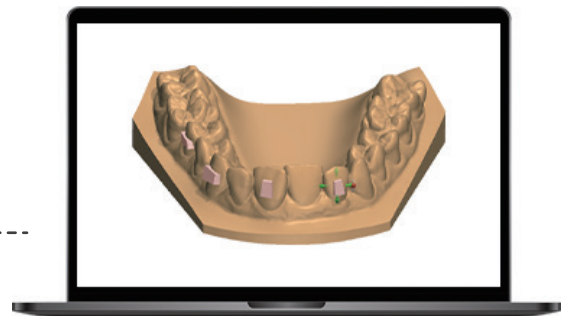


01

Scan the data

02

Design



03

3D printing pre-processing software

04

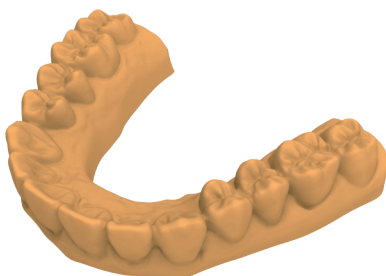
Printing and post-processing



Ultrasonic Cleaning Machine A



UV Curing Box FC3



05

Finished product processing

One machine for applications in multiple dental fields

Focus 6K supports printing restorations, surgical guides, orthodontic dentals, partial frameworks, and other dental applications, and provides professional technical support for dental clinics and denture processing factories.



Restoration



Surgical Guide



Orthodontic Dental



Partial Framework



Gingiva Mask



Indirect Bonding Tray



Retainer

Compatible with various dental resins

- ◆ Meeting the high-precision printing needs of dental fields.
- ◆ Matching materials of different applications.
- ◆ Compatible with a variety of third-party materials, with the ability to set user-defined material parameters in the slicing software.

Parameters

Print Speed	10-50 mm/h
Build Volume	197*122*200 mm
Layer Height	20-200 μ m
XY Resolution	35 μ m
Wavelength	405 nm
Z-axis	Industrial-grade dual linear guide rail and ball screw
Projection Screen	9.25-inch 6K Monochrome Screen
Build Plate	Sandblasting platform [the brim design prevents the solution from overflowing the platform)
Vat Capacity	0.5L
Connectivity	USB/Ethernet/Wi-Fi
Printer Dimension	390*330*525mm
Touch Screen	7-inch capacitive screen
Slicing Software	FlashDental
N.W.	22kg



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