D190 4K DLP

Designed for Dental Applications DLP 3D Printer

High speed printer

Higher uniformity

D190 4K DLP

PioNext
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3840*2160 px

Printing accuracy ±0.05mm

50μm X Y axis resolution, perfectly display tiny details and complex internal structure of the models without layer and burr-free;

Uniformity⩾90%

405nm LED 50μm

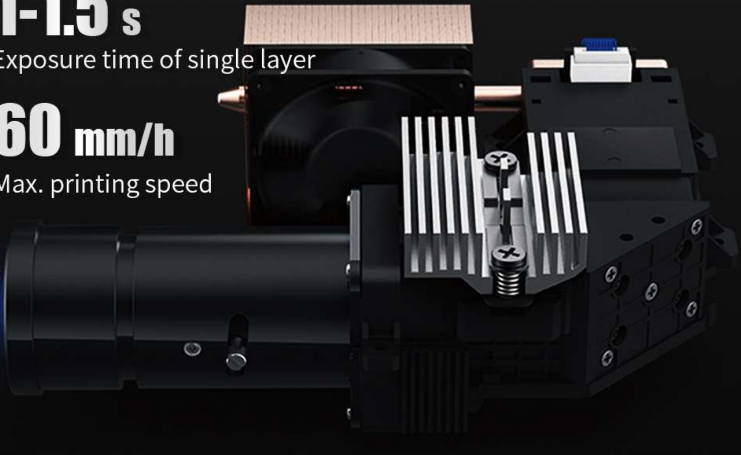
- Optimized software algorithm with distortion compensation ensures regular rectangle opto-mechanical projection.
- Compared with LCD, there is no printing screen heat, It does not affect the expansion rate of the resin, and the printing is more stable.

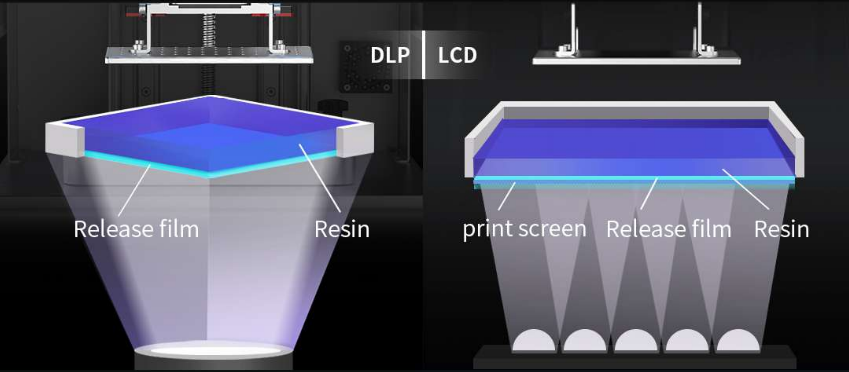
1-1.5 s

Exposure time of single layer

60 mm/h

Max. printing speed



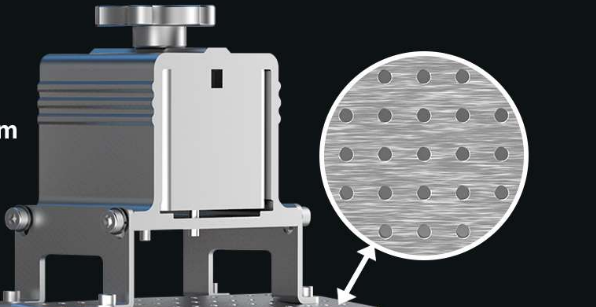


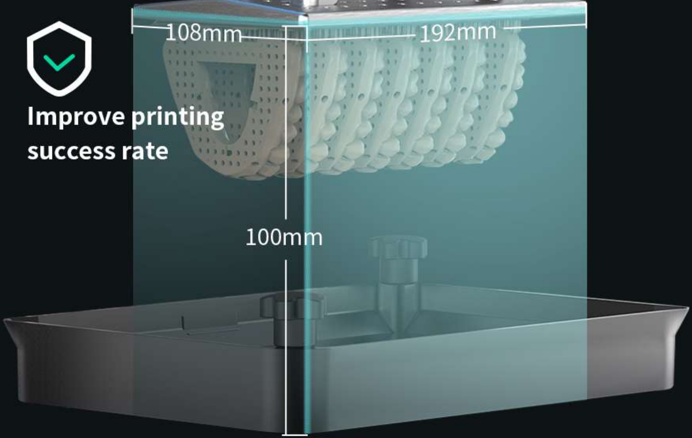
Oxidation sand-blasted surface perforated platform

- A perforated platform allows resin fast reflux during the printing process, increasing the printing speed.
- High roughness oxidation sand-blasted platform surface increases the contact area to provide firmer adhesion for printed models during the printing process, and avoid models falling off.

192x108x100mm

Reduce printing time



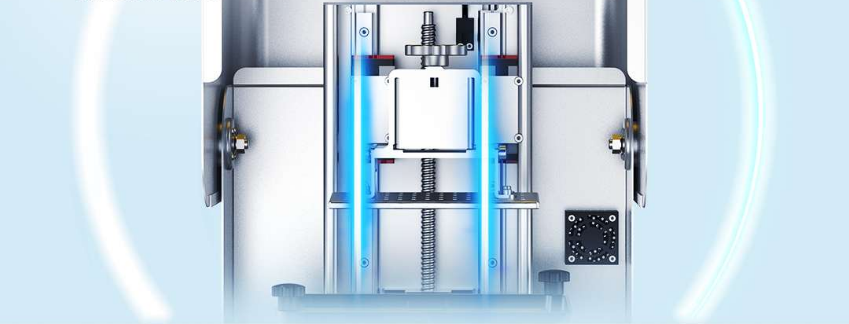


Improve printing success rate

Stable Z-axis structure design

Apply high precision dual linear guide and ball screw on Z-axis. The special mechanical property of ball screw structure provides lubricated, quiet, and smooth movement ensuring quick response and high accuracy lifting on Z-axis. Equipped with a 57 stepper motor, which provides sufficient large torque and releases force, avoiding losing steps.

Improve printing success rate



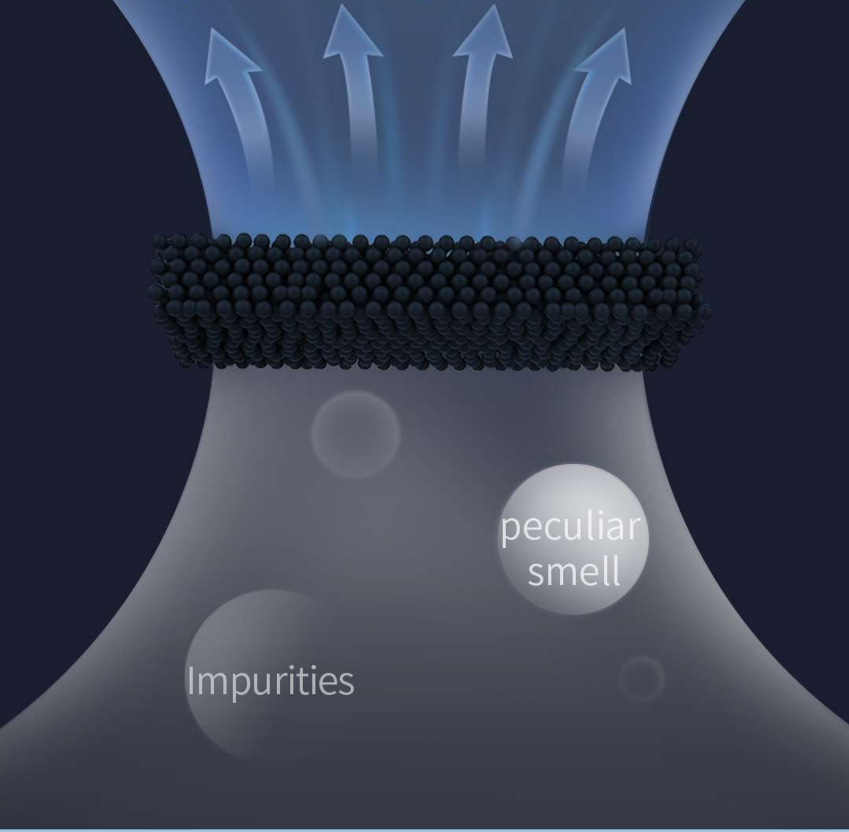
Multilayer composite materials high speed film

Smooth release film surface, small releasing resistance, and easy stripping completely;

Improve printing success rate

Built-in automatic air purification system

Air-cooled heat-dissipating design, heat dissipation and ventilation treatment for light source screen and machine; activated carbon air filtration can absorb and filter resin odor, bringing users a refreshing and comfortable experience.



One-click slice, easy to operate
Wireless transfer, start printing

The slicing software comes with a parameter package, one-click slicing, WIFI/U disk connection, simple to operate and is compatible with third party 405nm resins.

±0.05 mm

Dental mold

≥90 %

Match

PioNext
Piocreat BOX
405nm Resin

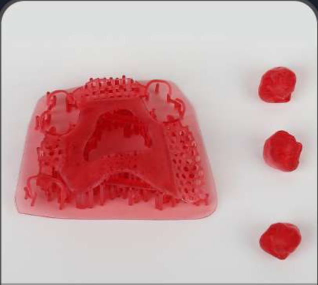
Meet wide range of application printing needs

D150 could accomplish the printing tasks efficiently with high quality, and reduces the laminated structure on the models as much as possible.

Denture

Full Mouth Model

Temp Crown



Dental Casting

Dental Studying Model

Gingival Model

Surgical Guide

Wax-up Bracket

Splint

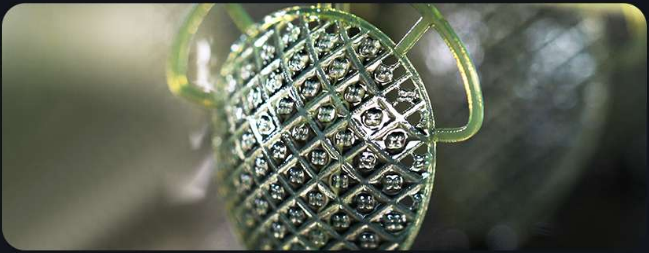
Occlusional Model

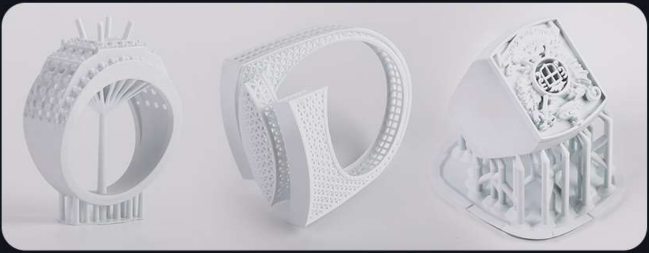
Gingival Mask

Indirect Bonding Brackets

Denture Base

Casting Crown





Product parameters

& Resin printing parameters

Newly developed high-power DLP projection light engine,
high-definition projection

Model:	D190
Light source configuration:	High power DLP module (405nm)
Slicing software:	Piocreat BOX
Slicing software operating system:	Win7 or above X64, Mac
Printing speed:	60mm/h
Print Layer Thickness:	0.01-0.1mm
Pixel size:	50µm
Touch screen:	5" full color touch screen
Support consumables:	Compatible with all 405nm resins
Z axis type:	Dual Linear Guide + Ball Screw
Supported languages:	13 languages
Print size:	192x108x100mm
Overall size:	330x300x675mm
Packing box specifications:	480x440x820mm
N.W.:	21KG
G.W.:	25KG