



Shuffle & Shuffle XL

Ultimate Consumer LCD 3D Printer
Designed and Manufactured by Phrozen in Taiwan,
which can help you do:



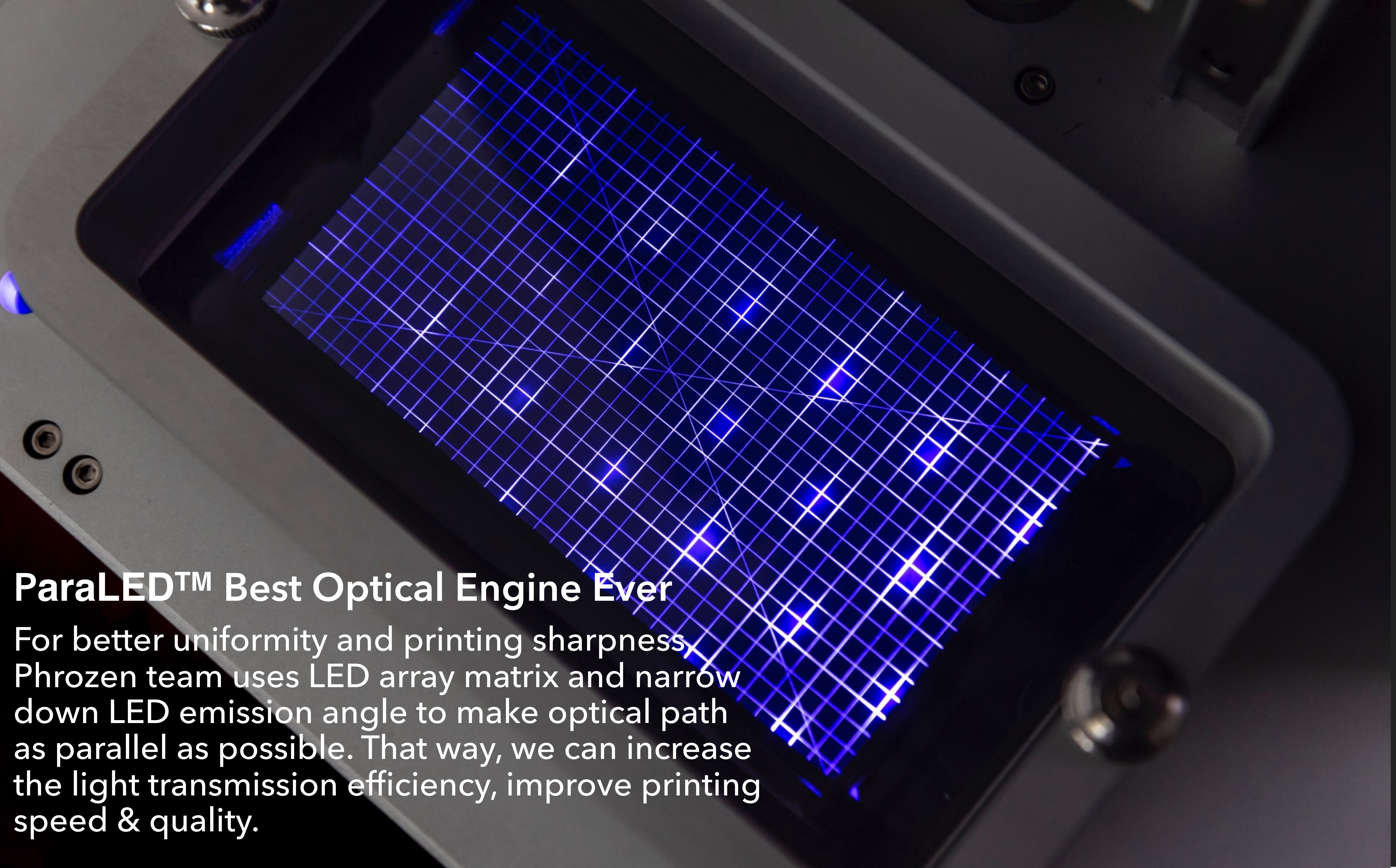
MODELS



JEWELRY



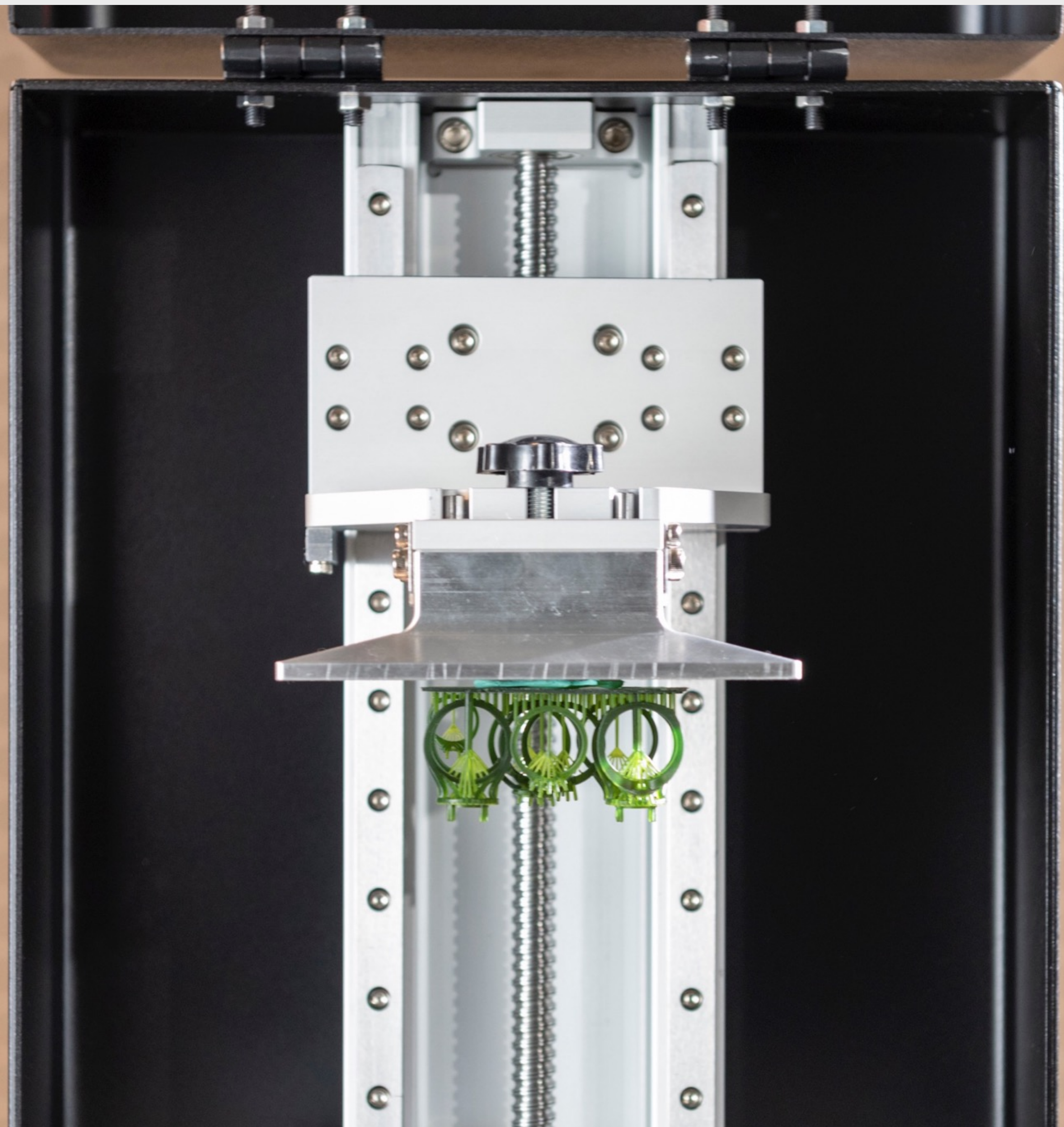
**DENTAL
APPLICATION**



ParaLED™ Best Optical Engine Ever

For better uniformity and printing sharpness, Phrozen team uses LED array matrix and narrow down LED emission angle to make optical path as parallel as possible. That way, we can increase the light transmission efficiency, improve printing speed & quality.

What makes Phrozen Shuffle different from others?



Ultra-Stable Z-axis Design No More Wobbling

Instead of simple optical axis and rail shaft. Phrozen team uses twin linear rail, ball screw, and ball bearing with Aluminum-CNC part as our Z-axis. Our only goal is to assure our linearity and eliminate influences of peeling force for large & high print.

A Closer Look on Shuffle Series



Shuffle

Shuffle XL

Printing Specification

Technology	LCD	LCD
XY Resolution	47 μ m	75 μ m
Min Layer Height	10 μ m	10 μ m
Printing Speed	30 mm / hr	30 mm / hr
Build Volume	12 x 6.8 x 20 cm	19 x 12 x 20 cm

Hardware Specification

Printer Size	28 x 28 x 42 cm	39 x 29 x 42 cm
Printer Weight	16 Kg	21.5 Kg
LCD Specification	5.5" 2K LCD Panel	8.9" 2K LCD Panel
Light Engine	ParaLED Matrix	ParaLED Matrix
Z-axis	Twin Linear Rail Ball Screw / Ball Bearing	Twin Linear Rail Ball Screw / Ball Bearing
Sensor	Optical Switch	Optical Switch
Front Display	3.5" Touch Display	3.5" Touch Display
Others	Panel cooling fan Air-tight lid	Panel cooling fan Air-tight lid

Software Specification

Slicing Software	nanoDLP / Phrozen Edition	nanoDLP / Phrozen Edition
Support Software	ChiTu	ChiTu
File Input	USB / LAN / WIFI	USB / LAN / WIFI
File Format	STL, SLC, ZIP(PNGs)	STL, SLC, ZIP(PNGs)



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