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phrozen



Shuffle & Shuffle XL

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



MODELS

JEWELRY



DENTAL APPLICATION

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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.

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A Closer Look on Shuffle Series





	Shuffle	Shuffle XL
Printing Specification		
Technology	LCD	LCD
XY Resolution	47 μm	75 μm
Min Layer Height	10 μm	10 μm
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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