UnionTech EvoDent S300

Large Build Envelope & High Efficiency

4K DLP 3D Printer for Dentistry

▷ **Industrial 4K optical engine**
Large build envelope is realized for dental application.

▷ **High accuracy**
Accuracy reaches 50μm with fine surface quality.

▷ **Resin vat with replaceable film**
Working cost is lowered in favor of customers.

▷ **Quiet working environment**
Small peeling force enables the printer to work quietly.

▷ **High efficiency**
Up to 8 jaw models can be printed at one time.

▷ **Semi-automatic power correction**
Site installation is convenient to engineers.

▷ **Automatic working mode**
No operators are needed at site during the mode.

Technical Data

Build envelope	mm	249.6 x 140.4 x 240
	in	9.83 x 5.53 x 9.45
Printing speed	mm/hr	15-25 (0.05 mm/layer) / 30-40 (0.1 mm/layer)
Accuracy	µm	±50 (>80%)
Elevator positioning accuracy	µm	≤±3
Layer thickness	mm	0.05 / 0.1
Resolution		3840 x 2160
Light source		UV LED
Optical power	W	4 (typical)
Pixel size	µm/pix	65
Wavelength	nm	405
Customer input file format		stl /.obj /.off / .ply / .3mf
Data pre-processing		Polydevs Pro / DLP
Printer controlling		DSCON
Operating system		Windows 10
Touch screen size		10.1
Data transfer interface	in	USB / Ethernet
Power supply		110 / 220 VAC, 50 / 60 Hz
Rated power	w	800
Temperature range	°C / °F	22-26 / 72-79
Max temperature change rate	°C/hr	1
Relative humidity	%	<40
Printer size unpacked	mm	600 x 510 x 1450
Printer weight unpacked	kg	122
CE certificate		Yes

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