LODESTAR 3D
Building Factories of the Future

FLASHFORGE®
3D PRINTER

WaxJet 400

Large Size • High Precision Wax 3D Printer

WaxJet 400 adopts mutiJet printing technology for printing smooth surface, high precision casting wax pattern. Large print size, and can be tiled and overlapped to place multiple models, the thickness of each layer is 0.016mm. It's suitable for jewelry, clocks instruments, crafts, precision casting and aerospace precision investment casting field.

WaxJet 400 provides:

1. Customized and quick production of small batch orders;
2, Produce styles which traditional craft cannot achieve;
3, Save the cost of plate making and revision, reduce reliance on manual revision;
4. Standardized process and save labor cost;
5. Anti-leak style, release designers creative.

WaxJet 400

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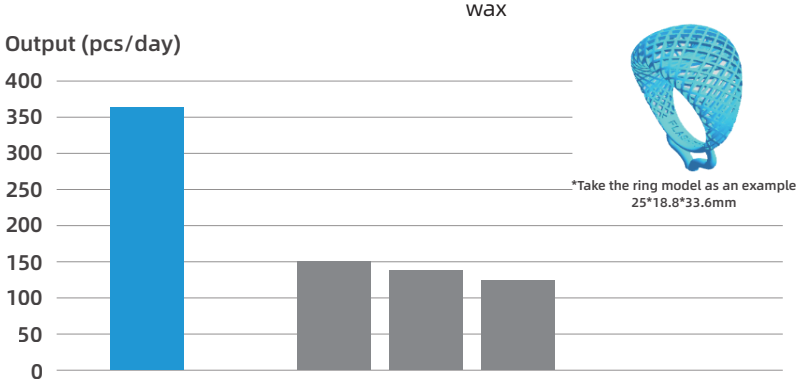
Product Specification

Molding Method	MJP
Molding Size	289*218*150mm
Printing Mode	XHD：1200*1200*1600 DPI：16μ of each layer
Dimensional Accuracy	±0.04mm / 20mm
Power Supply	AC220-240V, 50Hz, 4KW
Device Size	1352*775*1600mm
N.W.	480kg
G.W.	630kg
Package Size	1530*900*1837mm
Slicing Software	WaxJetPrint
Data Support Format	stl / slc
E-mail Notify	Applicable
Disk Capacity	500G
Network Connection	Network 10/100/1000 ethernet / USB
Guest Operating System	Windows 7 / Windows 10 (64bit)
Operating Environment	18-28℃, 30-70% of humidity

Material Specification

Structural Material	**FFWJ1100** **N.W.: 3.0 kg/bottle (2 material bins/ each device, auto reloading)**
Supporting Material	**FFMS3100** **N.W.: 3.6 kg/bottle (2 material bins/ each device, auto reloading)**

Properties	Condition	FFWJ1100	FFMS3100
Composition		100%wax	Wax support material
Color		Purple	White
Density@95℃(liquid)		0.76g/cm^3	0.85g/cm^3
Melting Point		68℃	55℃
Softening Point		63℃	NA
Volumetric Shrinkage from 40℃ to RT	SH/T 0588-1994	1.10%	NA
Linear Shrinkage from 40℃ to RT		0.70%	NA
Needle Penetration Hardness	GB/T 4985-2010	g	NA
Ash Content	GB/T 14235.3-1993	<0.01%	NA
Description		High resolution, durable casting wax	Hands-free dissolvable wax



*Take the ring model as an example
25*18.8*33.6mm

MJP
Annual estimated output
131400 (pcs/device)

MJP/DLP/SLA
Annual estimated output
47000~54000 (pcs/device)