



WaxJet 410

Large-size and High-precision
Wax 3D Printer



WaxJet 410

Bring a new efficient precision manufacturing experience

WaxJet 410, a large-size and high-precision wax 3D printer, is designed to print castable wax patterns with smooth surface, high fineness and long durability. The large printing size allows multiple models to be tiled and overlapped, with the thickness of 0.016 mm per layer. 24/7 operation ensures efficient production, assists processing enterprises to effectively reduce all kinds of comprehensive costs. It is suitable for investment casting fields such as jewelry, crafts, precision casting and aerospace.

WaxJet 410 provides:

- ◆ Customization and rapid production of small batch orders;
- ◆ Manufacturing products that cannot be processed by traditional crafts;
- ◆ Saving the cost of die sinking and die repair, and shortening the product development cycle;
- ◆ Standardized technological process, reducing the number of personnel;
- ◆ Saving product parameters locally, with data leakage prevention.

Product Specification

Printing Technology	Multijet Printing (MJP)
Build Volume	289*218*150mm
Printing Mode	XHD:1200*1200*1600dpi, Layer thickness:16um
Dimensional Accuracy	±0.04mm/20mm
Power Supply	AC220-240V, 50Hz, 4KW
Equipment Dimensions	1352*775*1600mm
Net Weight	480kg
Gross Weight	630kg
Package Size	1530*900*1837mm
Slicing Software	WaxJetPrint
Supported File Format	.stl/.slc
Email Notification	√
Hard Disk Capacity	500G
Connectivity	Network 10/100/1000 Ethernet/USB
Supported Operating System	Windows 7 / Windows 10 (64bit)
Working Environment	Temperature: 18-28°C, Humidity: 30-70%

Material Specification

Material Name	FFWJ1100	FFMS3100
Material Type	Part material	Support material
Net Weight	1.17kg/bottle	1.3kg/bottle
Composition	100% Wax	Wax support material
Color	Purple	White
Density@95°C(liquid)	0.76g/cm ³	0.85g/cm ³
Melting Point	68°C	55°C
Softening Point	63°C	-
Volumetric Shrinkage ^①	1.10%	-
Linear Shrinkage	0.70%	-
Needle Penetration Hardness ^②	9	-
Ash Content ^③	<0.01%	-
Description	High-precision casting wax material	Hands-free dissolvable support material

*Conditions: ①Volumetric Shrinkage SH/T 0588-1994; ②Needle Penetration Hardness GB/T 4985-2010; ③Ash Content GB/T 14235.3-1993

Time and Cost Comparison Between 3D Printing Process and Traditional Process in the Development Phase

