WJ530

Triple Printhead Power Setting a New Efficiency Benchmark

Faster Speed and Consistent Precision for Jewelry Wax Pattern Production



Ultra-High Efficiency

Multiple printheads
Production efficiency doubled

Precision First

Precision optimized
Superior detail representation

Stable & Durable

Patented self-developed wax circulation control system
Reliable and durable

High Wax Material Utilization Rate

Stable output
Wax material utilization rate to 58%-60%

Intelligent Monitoring

Built-in camera
Print progress visible in real time

TechnoCast



WJ530

Breakthrough in Efficiency and Precision



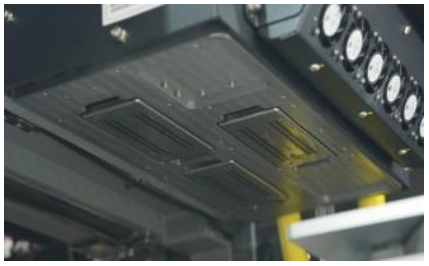


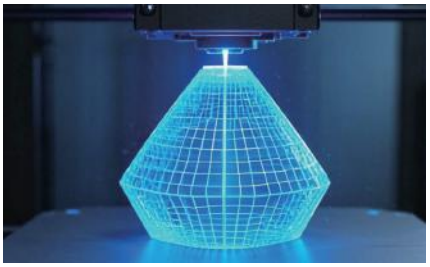
Ultra-High Efficiency

Print 1 inch (2.54cm) in just 4 hours
10-12kg/month per unit, delivering rapid printing
Easily meet peak-season order demands

Exceptional Precision

Ultra-thin layer thickness of 15μm
High resolution of 2900×2900×1700 DPI
Reduce polishing costs by 25%-33%







Stable & Durable

Patented self-developed
wax circulation control system ,
365*24-hour high-intensity testing,
more durable printhead.

High Wax Material Utilization Rate

Stable output with a wax material utilization rate of 58%-60%, advanced technology and reliable printing improve utilization, reduce waste, and maximize production efficiency.

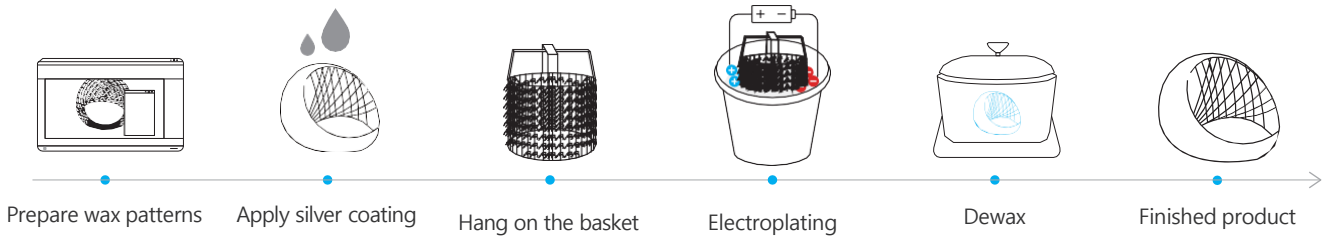
Intelligent Monitoring

Wi-Fi connectivity & 2K HD camera ,
Monitor printing in real time for
worry-free production

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New Jewelry Techniques - Hard Gold Plating & Gold Vermeil

Hard Gold Plating | From WJ530-Printed Wax Patterns to Durable Jewelry

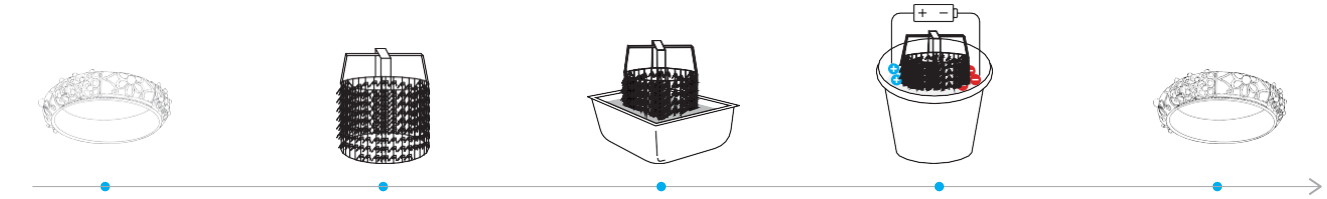


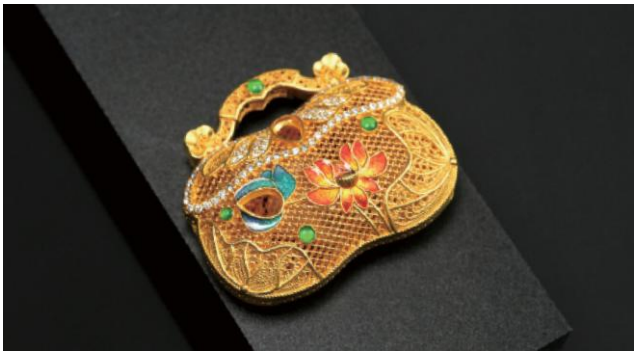




WJ530's ultra-thin layer thickness and ultra-high precision achieve precise details of wax patterns, providing a perfect electroplating foundation for hard gold plating.

Hard Gold Plating | From WJ530-Printed Wax Patterns to Durable Jewelry







WJ530's multi-printhead system speeds up wax pattern production while ensuring consistency in silver cores, significantly boosting the efficiency of gold vermeil jewelry batch production.

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Broaden Applications in Jewelry Manufacturing



Mass Production

Running 24 hours daily, 7 days a week, a single WJ530 yields 10-12kg of red wax patterns monthly, effofilessly fulfilling bulk factory orders.



Small Batch Customization

Its multi-printhead system and 2900x2900x1700 DPI ultra-high resolution offer precision and flexibility, meeting customized demands.

WJ530 Specifications

Printing Technology	MultiJet Printing (MJP)
Build Volume	289*208*150mm
Number of Printheads	3 piezoelectric printheads
Dimensional Accuracy	20mm ±0.04mm
Resolution	2900*2900*1700 DPI; layer thickness: 15μm
Material Utilization	Part wax utilization ≥ 55%
Printing Speed	≥ 6.3mm/h with layer thickness of 15μm
Slicing Software	WaxJetprint
Supported Input Formats	stl , slc
Connectivity	Network 10/100/1000 Ethernet/USB/Wi-Fi
Software Supported Operating Systems	Windows 7 / Windows 10 (64bit)
Printer UI Operating Systems	Linux
Operating Environment	Temperature: 18-26℃; humidity: 30-70%
Equipment Dimensions	1352*775*1600mm
Equipment Weight	480kg
Packaging Dimensions	1530*900*1837mm
Packaging Weight	630kg

Wax Specifications

Material Name	FFWJ1200	FFMS3200
Material Type	Part material	Support material
Net Weight	3.0kg/bottle	3.6kg/bottle
Composition	100% wax	Wax support material
Color	Red	White
Density@90°C (liquid)	0.79	0.85
Melting Point	68℃	55℃
Softening Point	63℃	/
Volumetric Shrinkage	1.1%	/
Linear Shrinkage	0.7%	/
Needle Penetration	9	/
Ash Content	<0.01%	/
Description	High-precision castable wax material	Hands-free dissolvable support material

FLASHFORGE

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