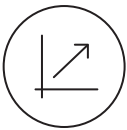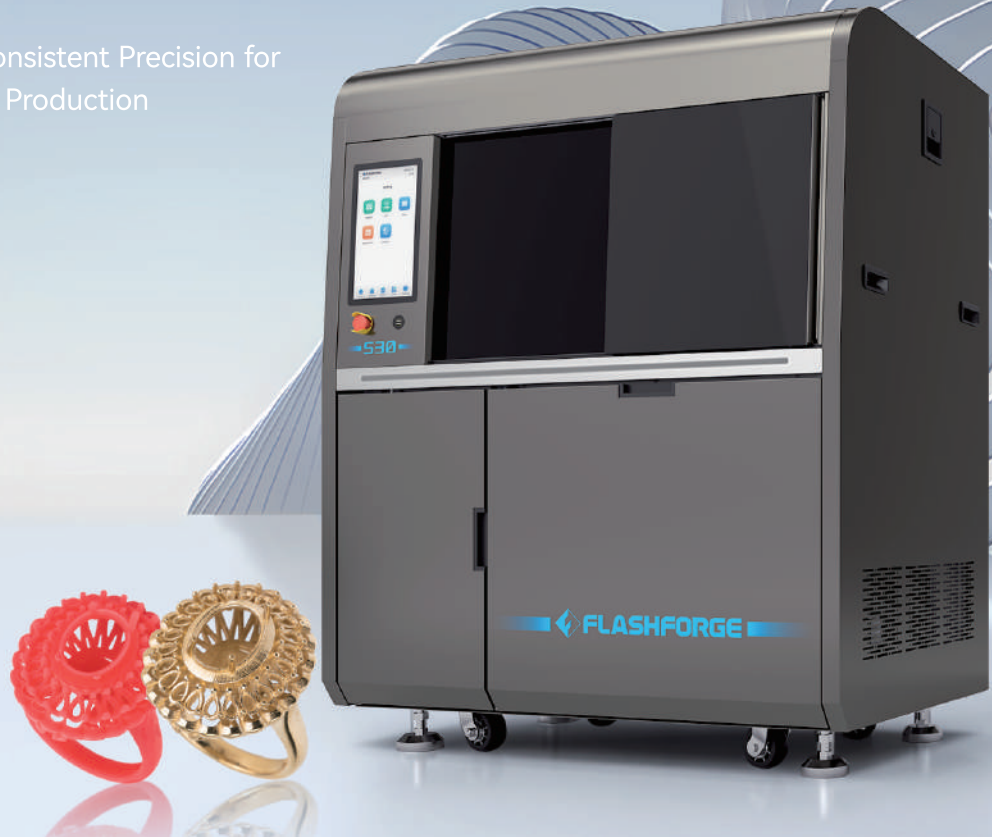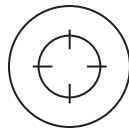# WJ530

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

Exceptional Precision

Precision optimized
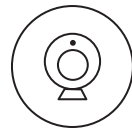Superior detail representation

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

WJ530

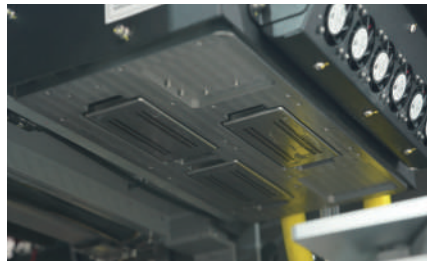## Breakthrough in Efficiency and Precision

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
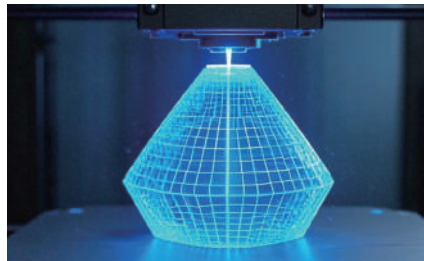
High Wax Material Utilization Rate

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

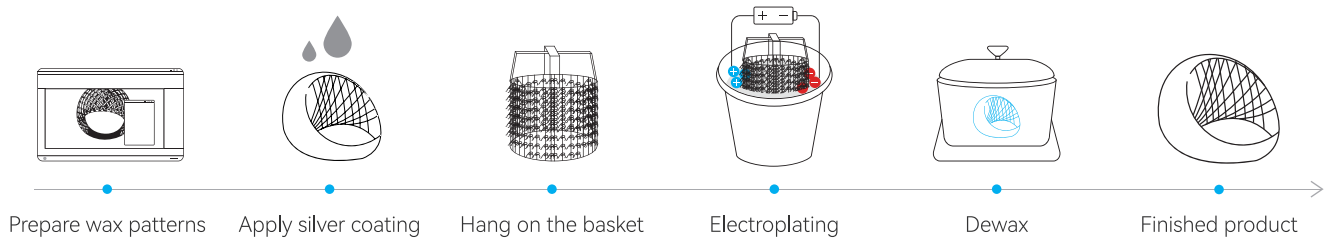# New Jewelry Techniques – Hard Gold Plating & Gold Vermeil

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

Prepare wax patterns   Apply silver coating   Hang on the basket   Electroplating   Dewax   Finished product

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

Cast wax patterns into silver cores   Hang on the basket   Clean   Gold electroplating   Finished product
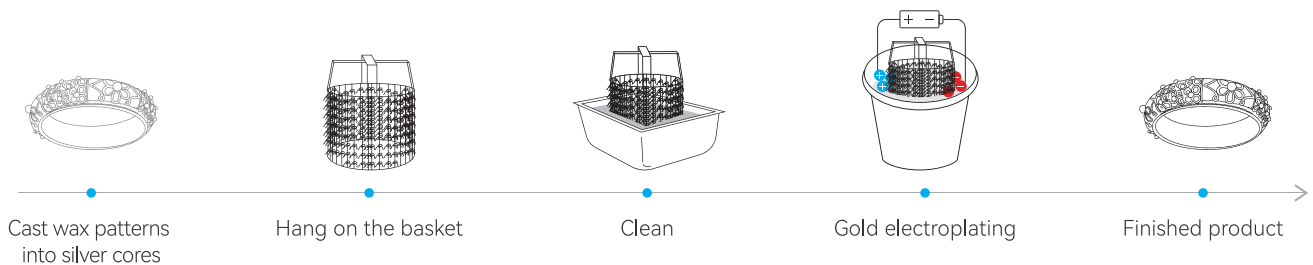
WJ530's multi-printhead system speeds up wax pattern production while ensuring consistency in silver cores, significantly boosting the efficiency of gold vermeil jewelry batch production.

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, effortlessly 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%
Print Speed	≥ 5.5mm/h with layer thickness of 15μm
Slicing Software	WaxJetprint
Supported Input Formats	stl，slc
Connectivity	Network 10/100/1000 Ethernet/USB/Wi-Fi
Supported Operating Systems	Windows 7 / Windows 10 (64bit)
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℃ (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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