



Firsttech Machine LLP

NEXT GENERATION TECHNOLOGY

India's Largest 3D Solutions Company

NEW



WaxJet 510

Next-Level Precision

Perfect for K-Gold Wax Mold Casting

WaxJet 510 jets wax layer by layer for high-precision printing, achieving smooth wax molds with details fully restored. The optimized technology minimizes wax waste, enhancing printing efficiency and reducing costs. It is a reliable and efficient solution for crafting K-Gold wax molds.





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WaxJet 510

High-Precision Casting

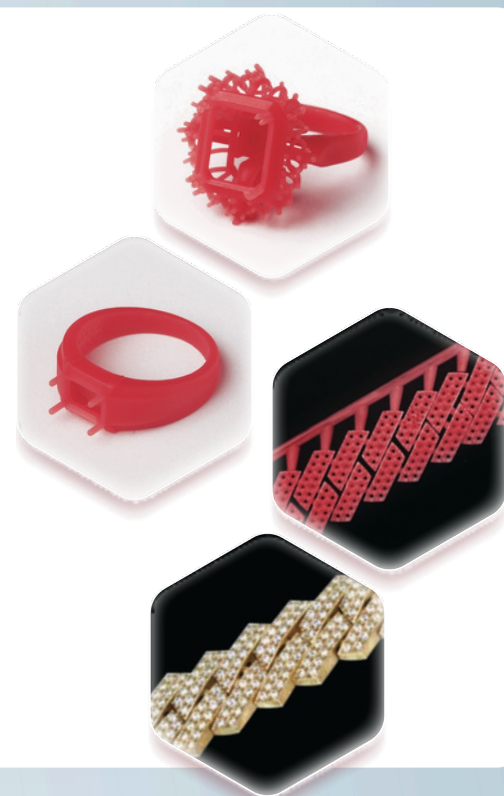
WaxJet510preciselyprintsintricatejewelry designs while ensuring high quality. It offers the jewelry industry increased flexibility in design and manufacturing.

Special Wax Material

With its special high-tenacity wax material, WaxJet 510 reduces reject rates during casting, ideal for K-gold casting.

Rapid Prototyping

Itshighprintspeedaccelerates prototype production for jewelry manufacturers, minimizing development cycles and improving production efficiency.



Product Specification

Printing Technology	Multijet Printing (MJP)
Build Volume	289*208*100mm
Printing Mode	XHD:2900*2900*1700 dpi; layer thickness: 15µm
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 10/100/1000Ethernet/USB
Supported Operating System	Windows 7 / Windows 10 (64bit)
Working Environment	Temp.: 18-26°C, Humidity: 30-70%

Material Specification

Material Name	FFWJ1200	FFMS3200
Material Type	Part wax	Support wax
Net Weight	1.5kg/bottle	1.6kg/bottle
Composition	100% Wax	Waxsupport wax
Color	Red	White
Density@95°C(liquid)	0.79g/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	Hands-free dissolvable support wax

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



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Mumbai Address :B-25,Girikunj
Industrial Estate,Near Paper Box,
Andheri East,Mumbai - 400093

Demo Center Address:104 Alpine Industrial
Estate, Off Military Road, Baman Daya Pada road,
Military Rd, Marol, Andheri East, Mumbai,
Maharashtra - 400059

Email : firsttechllp@hotmail.com, www.firsttechmachine.com

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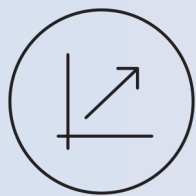
NEXT GENERATION TECHNOLOGY

India's Largest 3D Solutions Company

WJ530

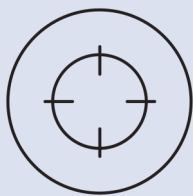
Triple Printhead Power Setting a New Efficiency Benchmark

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

Address :B-25,Girikunj Industrial Estate,Near Paper Box, Andheri East,Mumbai - 400093
Email: firsttechllp@hotmail.com, www.firsttechmachine.com

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NEXT GENERATION TECHNOLOGY

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WJ530

Breakthrough in Efficiency and Precision



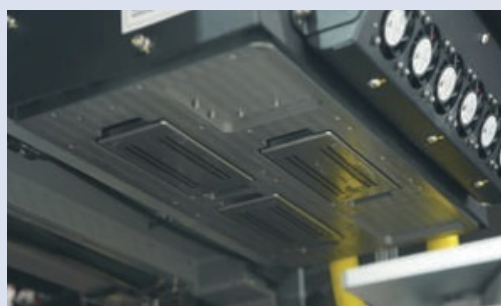
Ultra-High Efficiency

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



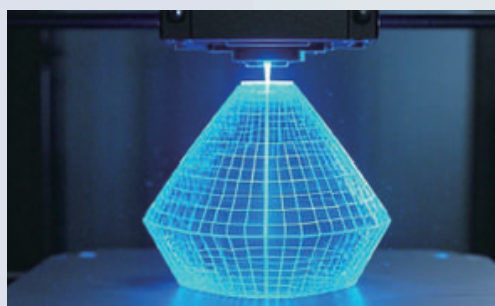
Exceptional Precision

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



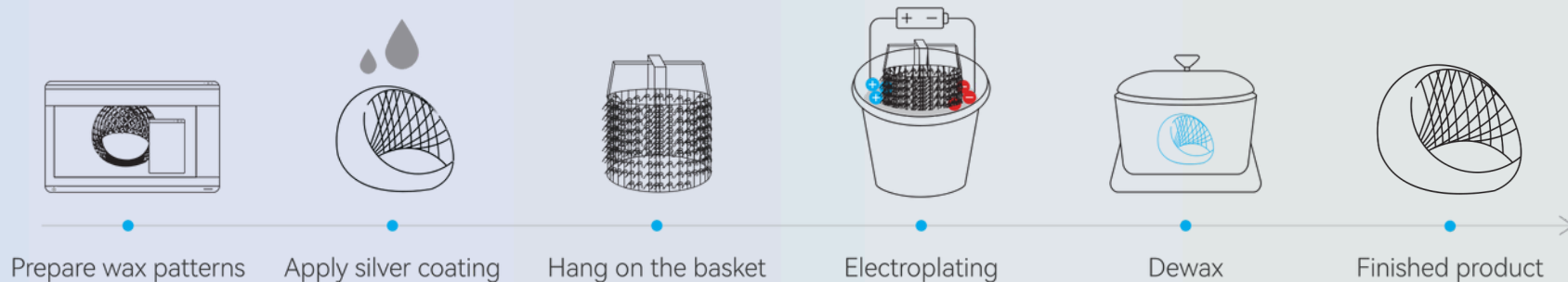
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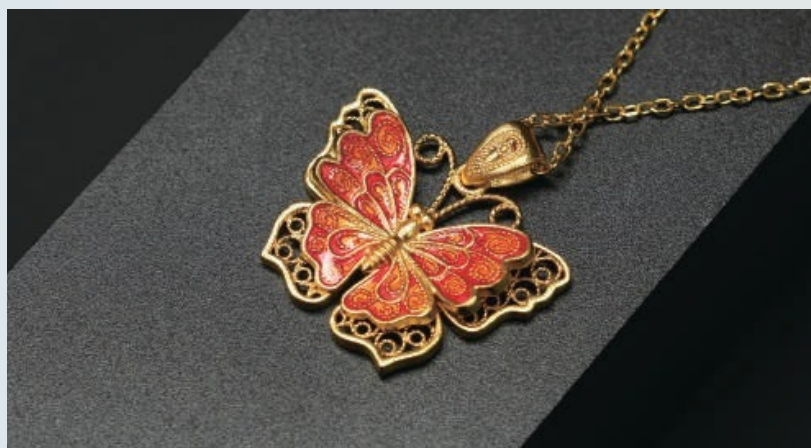
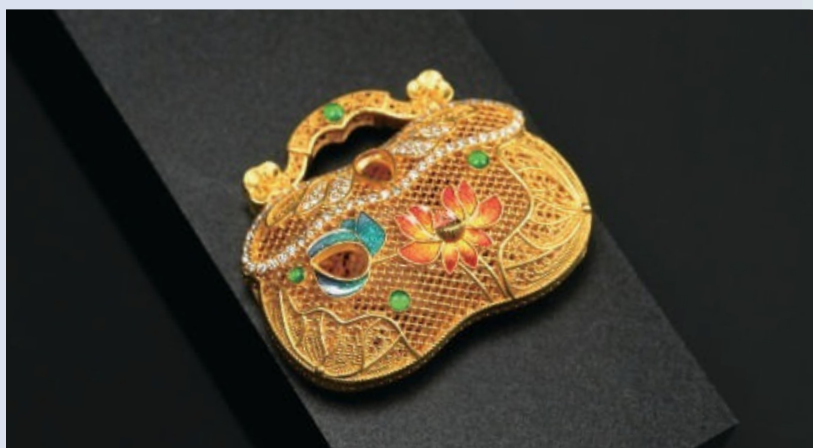
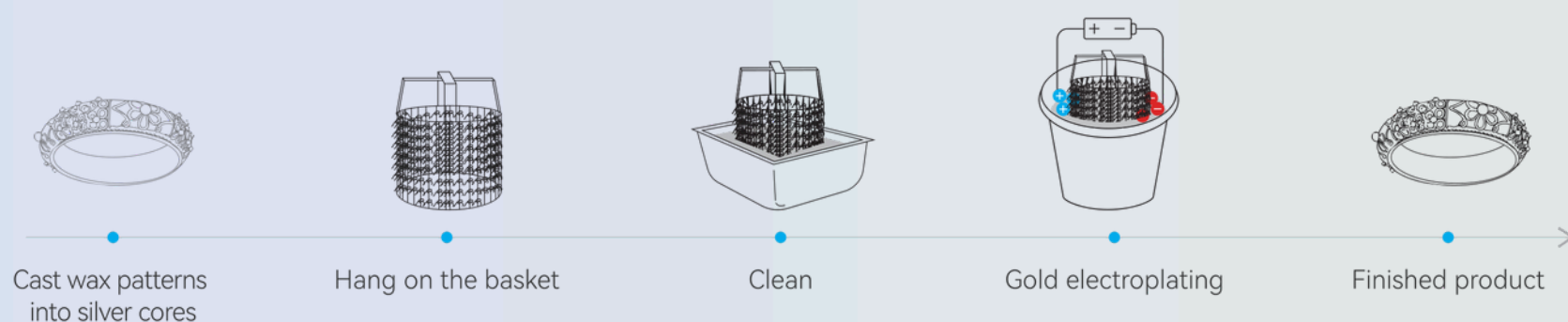
New Jewelry Techniques – Hard Gold Plating & Gold Vermeil

■ 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, 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°C; 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°C	55°C
Softening Point	63°C	/
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



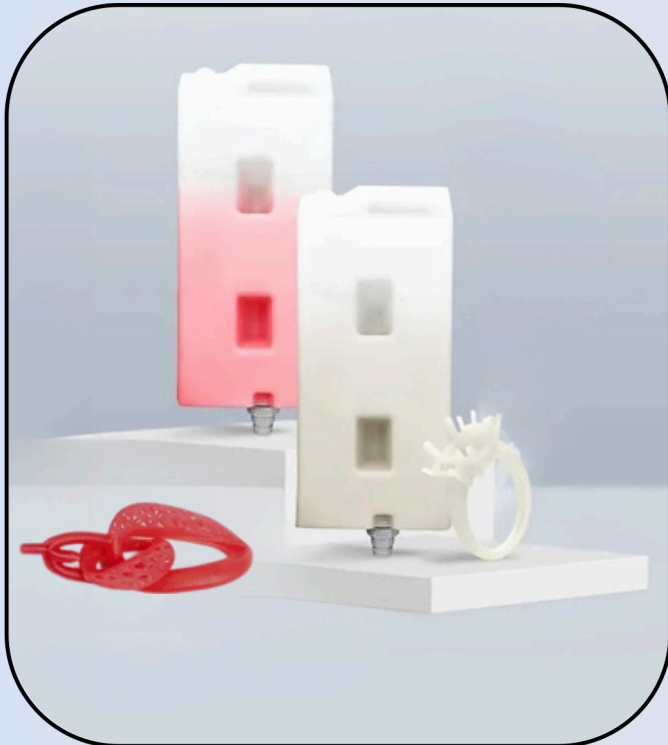
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COMPLETE INVENTORY OF SPARE PARTS FOR WAXJET 510/530

Original Wax Material



Original Spare Parts



Service Support 24x7 By Trained Engineer's



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Main Office :

B-25,Girikunj Industrial Estate, Off Mahakali Caves Rd, Andheri East, Mumbai, Maharashtra 400093
Email: firsttechllp@hotmail.com, www.firsttechmachine.com ,  7021340406,8169928166

Demo Center :

1

Alpine Industrial Estate, Off Military Road, Baman Daya Pada road, Military Rd, Marol, Andheri East, Mumbai, Maharashtra - 400059.  7021340406,8169928166

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ZG 3D TECH PRINTING SERVICES CR ,Office No.107,First Floor, Orchid Primises Co.Op.,Twin Arcade, Marol Military Road, Marol, Andheri East, Mumbai - 400059.  7021340406,8169928166

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W/108, Om sai commercial complex, Goddev phatak road, near HP gas Godown, Panchal Nagar, Bhayandar East , Mumbai , Maharashtra - 401105.  7021340406,8169928166