

Precious Metal Electroforming Equipment | RTG-1001/2001/1004

Metal Nickel Sticker Electroforming Machine

Four tank sizes from 100 to 180 litres for electroformed nickel labels, logos and nameplates.



Nickel electroforming for metal stickers and trademarks: 100 L, 120 L, 150 L and 180 L tanks with a 600 mm inner diameter, 30 A / 12 V or 50 A / 12 V power, 1 to 4 kW heating, platinum-titanium anode and a 600 x 400 mm working area.

The problem it is built for

An electroformed nickel label reproduces a screen-printed master down to the edge of the letterform, which is exactly why it is used on appliances, instruments and brand hardware. The bath has to hold uniform current density across a 600 x 400 mm plate to do it.

Published specification

Parameter	Value
Product name	Custom electroforming machine for signs, nameplating, UPs
Brand	XHF
Models	RTG-1001, RTG-2001, RTG-1004
Tank sizes	100 L (600x400), 120 L (600x500), 150 L (600x600), 180 L (600x700) mm
Electroforming power	30 A / 12 V or 50 A / 12 V
Heating system	1 kW / 2 kW / 3 kW / 4 kW
Anode	Platinum-titanium (YD/PT)
Inner working size	600 x 400 mm
Dimension (L x W x H)	1630 x 1200 x 1400 mm
Voltage	200 V / 380 V
Weight	200 kg
Core components	Pump, rectifier, anode and cathode

Parameter	Value
MOQ	1 set
Warranty	1 year

Metal Nickel Sticker Electroforming Machine - features and applications

What is built into it

Feature	What it does
Four tank sizes on one frame	100, 120, 150 and 180 litres, each paired with its own rectifier and heater rating, so the machine is matched to plate size rather than oversized by default.
Gold, silver or nickel	Nickel is the common choice and what the machine is named for, but the same station is specified for gold and silver electroforming where the application calls for it.
Stainless steel master plate route	The process runs from a stainless steel plate that is ground, degreased, screen printed, exposed and developed into the master before it ever enters the tank.
Thick and thin work	Electroformed trademarks are made thick, electroformed metal pads thin. Both are named applications of the same machine.
Circulating filtration on every model	RTG-1001, RTG-2001 and RTG-1004 filter systems across the four tank sizes.

Where it is used

- Signs, logos and metal stickers for appliances, monitors, audio equipment and furniture
- Security doors, glass products, plastic phone shells and phone PU cases
- Stainless steel cups, belt buckles, motorcycles and gift boxes
- Pianos, guitars, wine boxes and other craft hardware

Questions buyers ask

What is the full production sequence?

Stainless steel plate, grinding and degreasing, silk screen, exposure and development, master plate, nickel electroforming, chromium electroplating, peeling, gluing, release paper, cutting, then packaging and warehousing.

Which tank do I need?

It follows plate size: 100 L for 600 x 400 mm, up to 180 L for 600 x 700 mm. Power steps with it, 30 A / 12 V on the smallest and 50 A / 12 V on the rest.

Can the configuration be adjusted?

Yes. The source notes the actual order can be adjusted based on the process you run.

Does it only do nickel?

No. Gold, silver or nickel electroforming is decided by the application; nickel is simply the most common.

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