

Shenzhen Xinhongfa Environmental Protection Equipment Co., Ltd.

Equipment Line Sheet

All 15 machines across five equipment families: precious metal recovery and refining, gold and silver potassium cyanide making, electroforming, electroplating bath equipment, and safe acid burning. Founded 2003 in Shenzhen, Guangdong, China. 2 invention patents and 3 utility model patents.

Precious Metal Recovery & Refining Equipment (6)

Six machines that take precious metal out of scrap, spent solution and low-grade liquor and hand it back as weighable metal.

Machine	Model / key figure	What it does
Small Silver Stripping Machine	XHF-DJTYJ	Electrolytic silver de-plating for a workshop bench, 0.5 to 0.8 tonnes of parts a day.
Silver Electrolysis Refining Machine	10 kg/day	80 to 92.5 percent scrap silver taken to 9999 on 10 percent dilute nitric acid alone.
Precious Metal Electrolytic Recovery Machine	99.8% purity	High-frequency pulse recovery that pulls gold and silver straight out of spent solution as metal.
Copper Electrolysis Refine Machine	3-4 kg/24h	Scrap copper anodes in at 80 percent, cathode copper out at up to 99.99 percent.
Gold Melting Reactor	99.9% Ti	A sealed 99.9 percent titanium reactor for aqua regia gold dissolution, 10 to 20 kg a charge.
Gold Resin Recovery Machine	>98% recovery	Ion-exchange resin that strips gold out of solutions too dilute for electrolysis.

Gold/Silver Potassium Cyanide Making Machine (5)

Gold and silver salt production by diaphragm electrolysis, plus the stripping, electroforming and plating machines grouped with it on the source site.

Machine	Model / key figure	What it does
Gold Potassium Cyanide Making Machine	68.3% GPC	Make your own gold salt at 68.3 percent by diaphragm electrolysis, instead of buying it.
Silver Potassium Cyanide Electrolytic Making Machine	2-5 kg batch	Silver salt production, cyanide gas purification and metal recovery in one cabinet.
Large-Scale Silver Stripping Machine	2000 L	A 5 metre, six-basket, 2000 litre stripping line for plants that de-plate by the batch.
3D Hard Gold/Silver Jewelry Electroforming Machine	RTG-1001	80 and 100 litre electroforming tanks with plus or minus 1 C control, for hollow gold and silver pieces.
Precious Metal Jewelry Electroplating Equipment	12V / 10A	Plating, recovery and cleaning in one enclosed cabinet instead of an open beaker.

Precious Metal Electroforming Equipment (2)

Cyanide-free 24K hard gold and nickel sticker electroforming, both under PLC or timed control.

Machine	Model / key figure	What it does
Cyanide-Free 24K Hard Gold Jewelry Electroforming Machine	RTG-1001 / 60 L	PLC-dosed, cyanide-free 24K electroforming for 5D structures.

Machine	Model / key figure	What it does
Metal Nickel Sticker Electroforming Machine	RTG-1001/2001/1004	Four tank sizes from 100 to 180 litres for electroformed nickel labels, logos and nameplates.

Electroplating Equipment for Jewelry (1)

Bath filtration that keeps plating thickness, brightness and adhesion inside specification.

Machine	Model / key figure	What it does
Chemical Liquid Medicine Filter	80 L/min	Glandless circulation filter that keeps a plating or electroforming bath clean while it runs.

Safe Acid Burning & Color Hanging Cabinet (1)

The most dangerous process in a jewelry factory, enclosed and with 98 percent of the fume treated.

Machine	Model / key figure	What it does
Automatic Safe Acid Burning and Color Hanging Cabinet	>98% purify	Heated sulfuric and nitric acid work behind a closed door, with 98 percent of the fume treated.

Commercial terms

Item	Detail
Lead time	7 to 15 working days after order confirmation
Payment	T/T bank transfer, PayPal, L/C and Western Union
Trade terms	EXW, FOB, FCA, CFR, CIF, DDP and DDU
Port of dispatch	Shenzhen
Warranty	1 year on every machine
Email	sales9@shenzhenhf.com
WhatsApp	+86 191 2939 2652

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