

UW-700 Cyanide-Free Electrolytic Gold Stripper

Cyanide-free homestead, sustainable regeneration



About UWin Nanotech

Established in 2009, UWin Nanotech. Co., Ltd. specializes in research development of green chemical process and system integration, and eradicates the use of toxic substances such as aqua regia and cyanide. UWin Nanotech has developed various eco-friendly and safe metal strippers due to its technical team having a strong chemical engineering and mechanical processing background. In recent years, the challenges of e-waste management have become increasingly severe. According to the report from United Nations, 53.6 million tons of e-waste were generated worldwide in 2019, but only around 20% was recycled. The precious metal stripping total solution provided by UWin Nanotech abandons traditional strong acid, strong alkali, and high-temperature incineration treatment methods. Instead, it adopts the concepts of reverse engineering and green chemistry to efficiently produce "Responsible Precious Metals" to conduct circular recycling which significantly increases the economic value of electronic waste and enhances the company's green image.



Product Overview

UW-700 Cyanide-Free Electrolytic Gold Stripper overthrows traditional thinking. Instead of using toxic substances such as aqua regia or cyanide to strip gold, it uses a neutral gold stripper to proceed with hydrometallurgical method, thus leading the world with its safe and high efficient gold recycling technology. This product has won the National Invention and Creation Award from the Intellectual Property Office of the Ministry of Economic Affairs, the Gold Medal Award at the Pittsburgh International Invention Exhibition in the US, and received invention patents and awards from many countries. In addition, the agent can be used with different types of recycling equipment produced by UWin Nanotech, according to the size and type of waste electronic products, thus providing a gold stripping total solution.

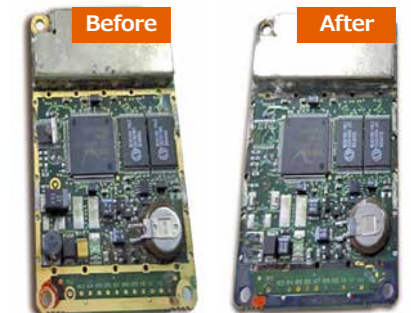
The gold stripping technology has been deeply acknowledged by the government and listed as a demo spotlight that was to showcase the strength of Taiwanese green technology. The gold stripping application is well recognized by domestic and foreign manufacturers and widely used on scrap wafers, PCBs, connectors and other scraps or e-wastes. Currently, it has been promoted to more than 30 countries across 5 continents worldwide.



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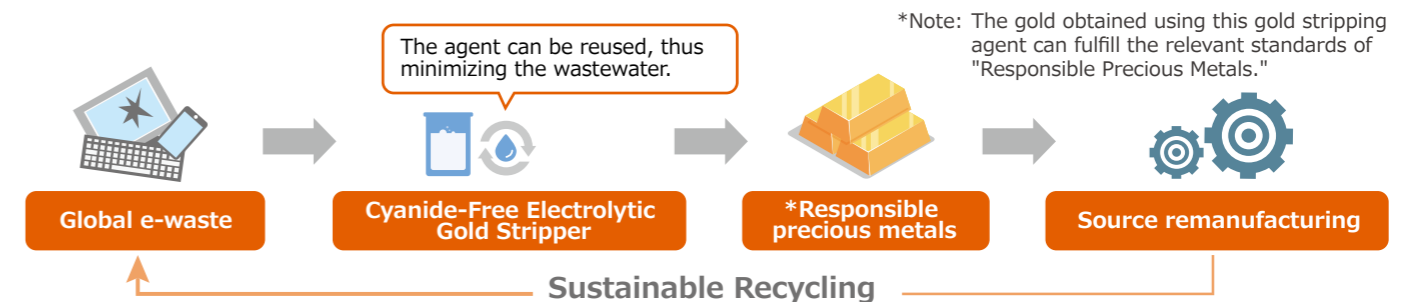


"Rolling One" drum recycling machine



Before/ after photo regarding gold stripping of PCBA

Flow Chart Regarding the Reuse of Electronic Waste and Gold Stripping



Product Features



Safe and Non-toxic

Gold stripping agent is developed with the de-plating concept in mind, and it is gentle and does not hurt the skin.



High Efficiency

The stripping speed is 3 times faster than the traditional method.



High Recovery Rate

Gold stripping rate > 99.9%



High Precision

Specifically for gold stripping, it does not damage other materials, and is easy to purify.



High Benefit

The chemical agent is highly saturated, and the volume of gold that could be recovered is large.



Recycling

The agent can be reused, which greatly reduces the volume of wastewater and achieves sustainable development.

