Precious Metals for Refiners and Recyclers Powering Global Sustainability

The global market for precious metals for refiners and recyclers is projected to surge from $90.38 billion in 2025 to $138.16 billion by 2032

DONGSHENG Precious Metal Recycling

TX, UNITED STATES, July 9, 2025 /EINPresswire.com/ -- The global market for precious metals for refiners and recyclers is projected to surge from $90.38 billion in 2025 to $138.16 billion by 2032, driven by escalating demand in electronics and renewable energy sectors alongside stringent environmental regulations like the EU Critical Raw Materials Act. Key players such as DONGSHENG Precious Metal Recycling Companies are expanding capacities to capture value from urban mining, leveraging technologies that reduce primary mining dependency by up to 45% for industrial gold.

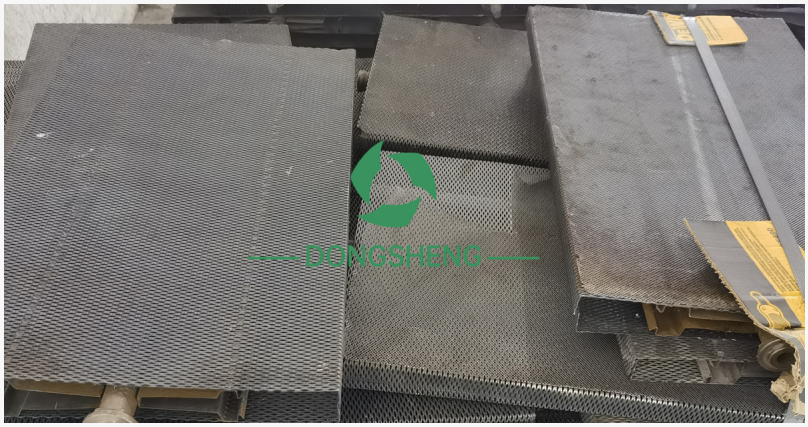
> The global market for precious metals for refiners and recyclers is projected to surge from $90.38 billion in 2025 to $138.16 billion by 2032.”
>
> *DONGSHENG*

Recycling Precious Metals from Electronics An Urban Mine Revolution

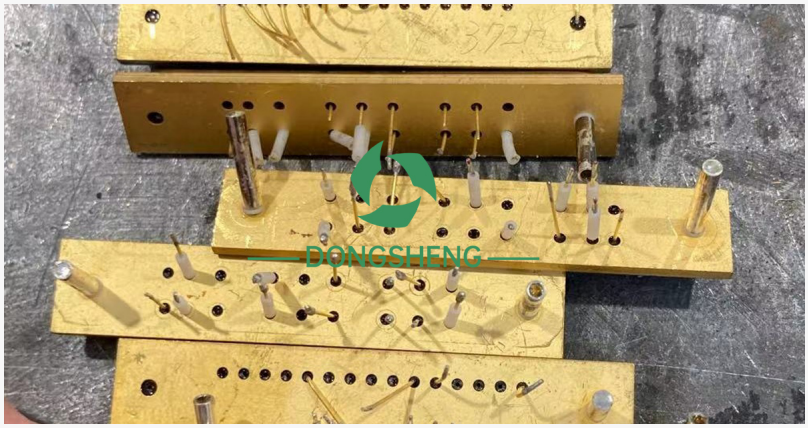
Electronic waste, reaching 57.4 million tonnes globally in 2021, contains gold concentrations 800 times higher than primary ore. Recycling precious metals from electronics now supplies 30% of silver and 45% of gold for new electronics, with innovations like Australia’s non-cyanide extraction (using pool disinfectant TCCA and sulfur polymers) achieving 99% purity while cutting emissions by 40% versus smelting. Companies including Harmony Recycled Precious Metals and DONGSHENG Precious Metal Recycling Companies are deploying AI-driven sorting systems to boost recovery efficiency by 25%, significantly lowering operational costs for recycling precious metals from electronics. The e-waste precious metal segment alone is projected to grow at 6.5% CAGR through 2031, underscoring the strategic importance of recycling precious metals from electronics for precious metals for refiners and recyclers.

Harmony Recycled Precious Metals Strategic Adaptation

Amid market volatility, Harmony Recycled Precious Metals reported Q1 2025 gold output decline of 10% YoY to 9.77 tonnes, yet revenue surged 42.85% due to optimized recycling operations and higher metal prices. Their net cash reserves strengthened by 49% to $592 million, enabling investments in hydrogen catalyst recovery systems aligned with the emerging $20.4 billion PGM recycling market. Partnerships with technology providers like DONGSHENG Nickel Mesh Electrode recycler enhance their capability to process complex e-waste streams, reinforcing the resilience of Harmony Recycled Precious Metals within the precious metals for refiners and recyclers ecosystem.



Titanium Recycling



PCB-RECYCLING

Precious Metals Catalyst Recycling Market Circular Innovation

The precious metals catalyst recycling market is pivotal for precious metals for refiners and recyclers, with 95% platinum and palladium recovery rates from automotive catalysts despite a 7% YoY demand decline. China's Guiyan Resources project in Dongying exemplifies scale, processing 10 tonnes of PGMs annually (including 7.15 tonnes of palladium) at 98.5% recovery rates through pyrometallurgy and chemical precipitation. This precious metals catalyst recycling market is transitioning toward hydrogen economy applications, with fuel cell catalyst recovery projected to grow 12% annually through 2032. Zimbabwe's informal scrap collectors further highlight the social dimension, where 66 kg of salvaged metal per day sustains livelihoods while reducing steel industry CO□ emissions by 950 million tonnes globally. The precious metals catalyst recycling market thus anchors both ecological and economic value for precious metals for refiners and recyclers.

Regional Dynamics and Technology Leadership

North America dominates 30% of the global recycling market share due to EPA regulations targeting 2.7+ million tonnes of annual e-waste. Meanwhile, hydrometallurgical advances achieve 98% gold purity with 40% less chemical consumption, as demonstrated by DONGSHENG

PCB recycling company in refining PCB gold without cyanide. These innovations position precious metals for refiners and recyclers at the forefront of circular economy transitions, where every tonne of e-waste processed through recycling precious metals from electronics offsets 1.1 tonnes of iron ore extraction and 630 kg of coal consumption.

Patton Peng
Hong Kong Dongsheng Metal Trading Co., Ltd
+852 6938 2050
recycling@dongshengjs.com
Visit us on social media:
LinkedIn
Instagram
Facebook
YouTube
TikTok
X
