

Electronic Waste Recycling Market To Reach US\$ 65.32 Bn by 2032 | CAGR 5.6% - Insights by DataM Intelligence

The Global electronic waste recycling market is set to grow from \$42.24B in 2024 to \$65.32B by 2032, driven by rising e-waste volumes and sustainability

AUSTIN, TX, UNITED STATES, June 10, 2025 /EINPresswire.com/ -- Electronic Waste Recycling Market Outlook (2025)

By 2032, the Global <u>Electronic Waste</u> <u>Recycling Market Size</u> is expected to reach USD 65.32 billion, up from USD



42.24 billion in 2024, growing steadily at a CAGR of 5.6% during the 2025–2032 forecast period.

By 2025, the market is expected to reach an estimated value of over \$30 billion, with strong year-

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The U.S. Electronic Waste Recycling Market is expanding rapidly, driven by tech consumption and strict regulations, contributing significantly to the \$42.24B global market value in 2024. on-year growth due to favorable policies, consumer awareness, and rising corporate responsibility. This growth is bolstered by the rapid technological advancement of recycling systems that improve recovery rates and reduce processing costs.

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Market Growth Drivers

DataM Intelligence

Product Lifespan Reduction: Electronics today are replaced

more frequently due to design obsolescence, leading to increasing volumes of discarded products.

Precious Metal Recovery: Electronics contain valuable metals. Recycling allows companies to extract and reuse these, reducing reliance on mining.

Stringent Regulations: Many governments are enforcing stricter laws on electronic disposal, encouraging manufacturers and consumers to recycle.

Corporate Sustainability Goals: Brands are pledging to close the loop by building take-back programs and refurbishing used electronics, reducing landfill waste.

Consumer Awareness: The younger generation is especially mindful of climate change and sustainability, making recycling a more common practice.

Regional Outlook

North America

North America continues to lead in ewaste recycling infrastructure and regulation. In the United States, several states have enacted e-waste laws requiring manufacturers to manage

2024 2028 By 2025, the adoption of sophisticated sorting sorting as AI-2032such By 2028, chemical recycling technologies will become more technologies, such as AI-powered systems and robotics, is expected to enhance the efficiency and accuracy of material separation in recycling facilities. These advancements aim to increase recovery rates and reduce contamination. technologies. as mainstream, enabling the By 2032, international bodies breakdown of complex like the UN and the Basel electronic components into reusable raw materials. This process will improve the elements, which are essential for manufacturing new material recovery This will manufacturing This will material recovery. electronic devices. encourage multinational corporations to implement policies uniform worldwide. recycling Technology Roadmap of Electronic Waste Recycling Market Key Players Market Share, 2024 (%) Aurubis AG

Boliden Group
Desco Electronic Recyclers
EcoCentric
Others
Key players of Electronic Waste Recycling Market

end-of-life electronics. Large recycling facilities are able to dismantle electronics at scale and efficiently separate hazardous materials from reusable ones. The growing popularity of tech trade-in programs also helps divert e-waste from landfills.

Asia-Pacific

This region is seeing explosive growth, largely driven by high electronics consumption and emerging regulations. Countries like China and India are investing in modern e-waste facilities, with a focus on automated processes. As urbanization and digitalization continue to grow in this region, so does the pressure to build a strong e-waste recycling ecosystem.

Europe

Europe remains a mature market, known for its strong recycling mandates and efficient systems. The region's approach often involves extended producer responsibility, where manufacturers are legally obligated to ensure proper disposal or repurposing of electronic products.

Key Companies Shaping the Market

Several global and regional companies are taking the lead in electronic waste recycling. These firms invest heavily in technology and infrastructure to optimize materials recovery and ensure safe handling of toxic components.

Aurubis AG

Boliden Group

Desco Electronic Recyclers

EcoCentric

ENVIRO-HUB HOLDINGS LTD.

ERI

Greentec

Kuusakoski

MRITECHNOLOGIES

Namo eWaste Management Ltd

Market Segmentation

By Material: Glass, Metals, Plastics, Others

By Source: Mobile Computing Devices, IT & Telecommunication, Household Appliances, Consumer Electronics, Others

By Technology: Electrostatic Separation, Pyrometallurgical Process, Hydrometallurgical Process, Lithium Battery Recycling, Others

By Application: Disposal, Reuse, Landfill, Incineration, Recycle, Others

By Region: North America, US, Canada, Mexico, Europe, Germany, UK, France, Italy, Spain, Rest of Europe, South America, Brazil, Argentina, Rest of South America, Asia-Pacific, China, India, Japan, Australia, Rest of Asia-Pacific, Middle East and Africa

Latest News of USA

In the United States, new developments are making headlines in the e-waste space. Recently, several tech companies have expanded their recycling programs to include more drop-off points and upgraded their logistics systems to handle higher volumes. The federal government is also reportedly exploring nationwide standards to regulate e-waste, which would be a game-changer for states that currently lack clear guidelines.

Additionally, investments are being made into AI-powered sorting technologies at major recycling facilities, aimed at improving precision and reducing labor costs. Startups focusing on sustainable electronics recycling are attracting venture capital as the market gains attention not only as an environmental priority but also as a profitable business model.

Latest News of Japan

Japan is also making strides in e-waste recycling innovation. Known for its disciplined approach to waste management, Japan recently launched municipal initiatives encouraging citizens to separate electronic devices for proper disposal. The government has partnered with electronics manufacturers to enhance collection rates and introduce smart collection points across cities.

Another major update includes Japan's growing interest in urban mining. With limited natural resources, Japan is increasing efforts to recover precious metals from discarded electronics. High-tech recycling plants are now capable of extracting gold and other valuable elements with impressive efficiency, supporting the country's push for resource independence and environmental sustainability.

Conclusion

The electronic waste recycling market is on a fast track toward major transformation. As devices become smarter and more complex, so too does the process of recycling them. However, the focus is clear: reduce harm, recover value, and rethink how we manage our growing mountain of used electronics.

With nations like the U.S. and Japan leading the way in innovation and policy, and with consumer behavior shifting towards greener practices, the future of e-waste recycling looks promising and necessary. Whether it's through local collection drives, advanced robotics, or government-backed programs, the movement toward a cleaner, more circular economy is undeniably accelerating. Stay informed with the latest industry insights—start your subscription now: <u>https://www.datamintelligence.com/reports-subscription</u>

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