

# Electronic Waste Recycling Market to Expand with 13.40% CAGR to \$94.2 Billion by 2032 - MRFR

*Electronic Waste Recycling Market  
Research Report Information By Material  
and Source*

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/EINPresswire.com/ -- The global

[Electronic Waste Recycling Market](#) has

witnessed significant growth in recent

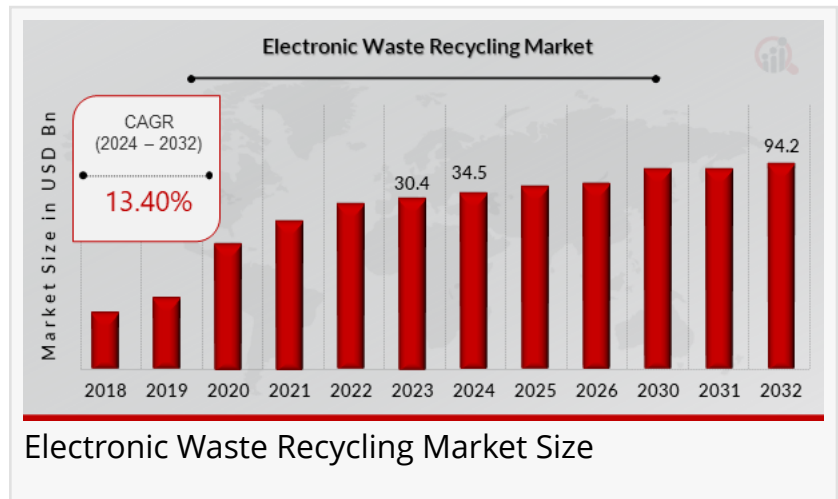
years and is expected to expand

rapidly over the coming decade. In

2023, the market size was valued at

USD 30.4 billion and is projected to

grow from USD 34.5 billion in 2024 to USD 94.2 billion by 2032, reflecting an impressive compound annual growth rate (CAGR) of 13.40% during the forecast period (2024–2032). The market's expansion is primarily driven by the increasing volume of electronic waste (e-waste), strict environmental regulations, and growing awareness regarding sustainable recycling practices.



## Key Drivers of Market Growth

- Rising Volume of Electronic Waste

The rapid adoption of consumer electronics, including smartphones, laptops, and home appliances, has led to an unprecedented rise in e-waste generation. With the increasing replacement cycles of electronic devices, the demand for proper recycling solutions is surging.

- Stringent Environmental Regulations

Governments worldwide are implementing strict regulations to ensure responsible disposal and recycling of e-waste. Policies such as Extended Producer Responsibility (EPR) and electronic waste management laws are compelling manufacturers to invest in sustainable recycling practices.

- Growing Awareness of Sustainable Recycling

The shift toward a circular economy and sustainable waste management is driving individuals and businesses to opt for electronic waste recycling. Recycling not only helps in reducing landfill waste but also recovers valuable metals like gold, silver, and copper from discarded electronics.

- Technological Advancements in E-Waste Recycling

Innovations in recycling technologies, such as automated sorting systems, AI-powered waste segregation, and advanced metal extraction techniques, are enhancing the efficiency of e-waste recycling processes. These advancements are making recycling more cost-effective and environmentally friendly.

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Key Companies in the Electronic Waste Recycling market include

- Umicore SA (Belgium)
- Quantum Lifecycle Partners (Geep Inc.) (Canada)
- Enviro-Hub Holdings Ltd (Singapore)
- Stena Technoworld AB (Sweden)
- Tetronics International Limited (UK)
- Electronics Recyclers International Inc. (US)
- Sims Limited (US), Aurubis AG (Germany)
- Boliden AB (Sweden)
- Attero Recycling Pvt. Ltd (India)
- Great Lakes Electronics Corporation (US)
- E-Parisaraa Private Limited (India)
- Greentec (Canada)
- Cleanaway (Australia)
- Veolia Environment SA (France).
- Others

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Market Segmentation

To provide a comprehensive analysis, the Electronic Waste Recycling market is segmented based on material type, source, recycling process, and region.

1. By Material Type

- Metals: Gold, silver, copper, aluminum, and other precious and rare metals recovered from e-waste.
- Plastics: Used in various electronic components and recycled for use in new products.
- Glass: Primarily from discarded display screens and monitors.
- Other Materials: Ceramics, rubber, and other components found in electronic waste.

## 2. By Source

- Consumer Electronics: Smartphones, laptops, televisions, and home appliances.
- Industrial Equipment: IT & telecom infrastructure, medical devices, and factory automation systems.
- Household Appliances: Refrigerators, washing machines, and air conditioners.

## 3. By Recycling Process

- Collection & Sorting: Involves the collection of e-waste and separation of recyclable materials.
- Dismantling & Shredding: Manual or automated dismantling and breaking down of electronic devices.
- Metal Extraction & Recovery: Advanced methods like pyrometallurgy and hydrometallurgy to extract valuable metals.
- Reuse & Refurbishment: Extending the life cycle of electronic products through refurbishment.

## 4. By Region

- North America: Leading market due to strong regulatory frameworks and high consumer awareness about e-waste recycling.
- Europe: Growth driven by stringent e-waste management laws and the adoption of circular economy initiatives.
- Asia-Pacific: Fastest-growing region, fueled by rapid urbanization, increasing e-waste volumes, and government initiatives in countries like China, India, and Japan.
- Rest of the World (RoW): Steady growth expected in Latin America, the Middle East, and Africa, driven by rising awareness and investments in recycling infrastructure.

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The Electronic Waste Recycling Market is on a strong growth trajectory, driven by the increasing volume of e-waste, regulatory policies, and technological advancements in recycling. As sustainability becomes a key focus for governments and industries, the demand for efficient electronic waste recycling solutions is expected to surge. With expanding applications across consumer electronics, industrial equipment, and household appliances, the market is set to play

a crucial role in promoting environmental sustainability and resource recovery in the coming years.

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