

# Global Silver Recycling from X-Ray Materials Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G97DD23DAFFFEN.html>

Date: January 2026

Pages: 111

Price: US\$ 4,480.00 (Single User License)

ID: G97DD23DAFFFEN

## Abstracts

The global Silver Recycling from X-Ray Materials market size is expected to reach \$ 75.25 million by 2032, rising at a market growth of 2.9% CAGR during the forecast period (2026-2032).

Silver recycling from X-ray materials refers to the process of extracting and refining high-purity metallic silver from discarded medical or industrial X-ray imaging materials through a series of specialized physical, chemical, or electrochemical processes. Demand primarily arises from the medical (hospitals, clinics, imaging centers) and industrial non-destructive testing fields, due to the large amounts of waste silver-containing X-ray film and processing solutions generated daily. The upstream supply chain consists of these waste-generating units, responsible for the initial sorting, collection, and temporary storage of the waste. The downstream supply chain comprises professional precious metal recyclers who are responsible for centralized transportation, refining the silver through processes such as incineration, electrolysis, and chemical precipitation, and selling the final product to silver refineries or directly into the industrial raw material market. In 2025, the average price of silver recycling from X-ray materials, based on the silver content of the raw materials and the international silver price on the recycling date, was approximately US\$650/kg, with a gross profit margin of approximately 20%.

This report studies the global Silver Recycling from X-Ray Materials demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Silver Recycling from X-Ray Materials, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand

trends and competition, as well as details the characteristics of Silver Recycling from X-Ray Materials that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Silver Recycling from X-Ray Materials total market, 2021-2032, (USD Million)

Global Silver Recycling from X-Ray Materials total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Silver Recycling from X-Ray Materials total market, key domestic companies, and share, (USD Million)

Global Silver Recycling from X-Ray Materials revenue by player, revenue and market share 2021-2026, (USD Million)

Global Silver Recycling from X-Ray Materials total market by Type, CAGR, 2021-2032, (USD Million)

Global Silver Recycling from X-Ray Materials total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Silver Recycling from X-Ray Materials market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Umicore, Matsuda Sangyo Co., Ltd., Metallix Refining Inc., XpresShred, ECS Cares, Specialty Metals, Phoenix Refining, Inc., Betts Group, Ames Goldsmith, BW Recycling, Inc., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Silver Recycling from X-Ray Materials market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years

2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Silver Recycling from X-Ray Materials Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Silver Recycling from X-Ray Materials Market, Segmentation by Type:

Electrolytic Recovery

Metallic Replacement

Chemical Precipitation

Ion Exchange

Incineration and Smelting

Global Silver Recycling from X-Ray Materials Market, Segmentation by Recycled Materials:

Film Silver Recovery

Solution Silver Recovery

Global Silver Recycling from X-Ray Materials Market, Segmentation by Application:

Silver Refinery

Industrial Raw Material Plant

Other

Companies Profiled:

Umicore

Matsuda Sangyo Co., Ltd.

Metallix Refining Inc.

XpresShred

ECS Cares

Specialty Metals

Phoenix Refining, Inc.

Betts Group

Ames Goldsmith

BW Recycling, Inc.

Maratek

Key Questions Answered

1. How big is the global Silver Recycling from X-Ray Materials market?
2. What is the demand of the global Silver Recycling from X-Ray Materials market?
3. What is the year over year growth of the global Silver Recycling from X-Ray Materials market?
4. What is the total value of the global Silver Recycling from X-Ray Materials market?
5. Who are the Major Players in the global Silver Recycling from X-Ray Materials market?
6. What are the growth factors driving the market demand?

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