

Silver and Gold-based Brazing Materials Market by Product Type (Silver-Based Brazing Materials, Gold-Based Brazing Materials), Application (HVAC&R, Automotive, Aerospace, Medical, Electricals and Electronics, and Others), and Region 2025-2033

Market Report | 2025-03-01 | 138 pages | IMARC Group

AVAILABLE LICENSES:

- Electronic (PDF) Single User \$3999.00
- Five User Licence \$4999.00
- Enterprisewide License \$5999.00

Report description:

The global silver and gold-based brazing materials market size reached USD 4.9 Billion in 2024. Looking forward, IMARC Group expects the market to reach USD 8.1 Billion by 2033, exhibiting a growth rate (CAGR) of 5.56% during 2025-2033. The proliferation of consumer electronics and appliances, the bolstering growth of the automotive sector wherein the product finds applications to manufacture lightweight and energy-efficient automobiles, and the expanding infrastructural development represent some of the key factors driving the market.

Silver and gold-based brazing materials are alloys used in the brazing process to join metal components together. Silver-based brazing materials typically contain silver as the primary component, with small amounts of other metals such as copper, zinc, and nickel. They exhibit excellent flow characteristics, high strength, corrosion resistance, and low melting points, making them ideal for heating, ventilation, and air conditioning (HVAC), automotive, aerospace, and electronics applications. Gold-based brazing materials, on the other hand, are less commonly used than silver-based alloys. These alloys are primarily composed of gold and other metals such as nickel, zinc, and copper. They provide exceptional corrosion resistance, high electrical conductivity, and good thermal conductivity. As a result, gold-based brazing materials are often utilized in specialized applications such as joining high-frequency electronic components, fiber optics, and medical devices.

Silver and Gold-based Brazing Materials Market Trends:

The increasing demand for lightweight and energy-efficient automobiles is primarily driving the need for high-performance brazing materials, including silver and gold-based alloys, in various applications such as heat exchangers, radiators, and exhaust systems. Besides this, the rising use of silver and gold-based brazing materials across a variety of applications, such as electronic component assembly, power semiconductors, and electrical connectors, is positively impacting the market growth. Moreover, the

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

bolstering growth of the electronics and electrical industries, the proliferation of smartphones, tablets, wearables, laptops, and computers, and the shifting preference for renewable energy are presenting remunerative growth opportunities for the market. In addition to this, the surging demand for medical devices and equipment, including implants, surgical instruments, and diagnostic tools, due to the prevalence of numerous chronic diseases, is contributing to the market growth. Concurrent with this, the large-scale product adoption across the thriving aerospace and defense sectors for critical applications, such as turbine engines, aircraft structures, and electronic systems, is acting as another significant growth-inducing factor. Furthermore, ongoing infrastructural development, including construction, transportation, and utilities, is generating the need for brazing materials for reliable and durable joints, which, in turn, is propelling the market forward.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global silver and gold-based brazing materials market, along with forecasts at the global, regional, and country levels from 2025-2033. Our report has categorized the market based on product type and application.

Product Type Insights:

- Silver-Based Brazing Materials
- Gold-Based Brazing Materials

The report has provided a detailed breakup and analysis of the silver and gold-based brazing materials market based on the product type. This includes silver- and gold-based brazing materials.

Application Insights:

- HVAC&R
- Automotive
- Aerospace
- Medical
- Electricals and Electronics
- Others

A detailed breakup and analysis of the silver and gold-based brazing materials market based on the application has also been provided in the report. This includes HVAC&R, automotive, aerospace, medical, electricals and electronics, and others. According to the report, HVAC&R accounted for the largest market share.

Regional Insights:

- North America
- United States
- Canada
- Asia Pacific
- China
- Japan
- India
- South Korea
- Australia
- Indonesia

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Others
- Europe
- Germany
- France
- United Kingdom
- Italy
- Spain
- Russia
- Others
- Latin America
- Brazil
- Mexico
- Others
- Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North America was the largest market for silver and gold-based brazing materials. Some of the factors driving the North America silver and gold-based brazing materials market included the rising demand for consumer electronic devices and appliances, the increasing number of infrastructural projects, and the thriving aerospace and defense industries.

Competitive Landscape

The report has also provided a comprehensive analysis of the competitive landscape in the global silver and gold-based brazing materials market. Detailed profiles of all major companies have also been provided. Some of the companies covered include Aimtek Inc., Indian Solder and Brazing Alloys, Johnson Matthey PLC, Linbrazo S.r.l., Lucas-Milhaupt, Inc. (Steel Partners Holdings L.P.), Materion Corporation, Morgan Advanced Materials PLC, Pietro Galliani Brazing S.p.A, Prince & Izant Company, Sentec-BIR A.S., The Lincoln Electric Company, Umicore, WIELAND Edelmetalle GmbH (SAXONIA Group), etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report

- 1.How big is the global silver and gold-based brazing materials market?
- 2.What is the expected growth rate of the global silver and gold-based brazing materials market during 2025-2033?
- 3.What are the key factors driving the global silver and gold-based brazing materials market?
- 4.What has been the impact of COVID-19 on the global silver and gold-based brazing materials market?
- 5.What is the breakup of the global silver and gold-based brazing materials market based on the application?
- 6.What are the key regions in the global silver and gold-based brazing materials market?
- 7.Who are the key players/companies in the global silver and gold-based brazing materials market?

Table of Contents:

- 1 Preface
- 2 Scope and Methodology
 - 2.1 Objectives of the Study
 - 2.2 Stakeholders
 - 2.3 Data Sources
 - 2.3.1 Primary Sources

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
 - 4.1 Overview
 - 4.2 Key Industry Trends
- 5 Global Silver and Gold-based Brazing Materials Market
 - 5.1 Market Overview
 - 5.2 Market Performance
 - 5.3 Impact of COVID-19
 - 5.4 Market Forecast
- 6 Market Breakup by Product Type
 - 6.1 Silver-Based Brazing Materials
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
 - 6.2 Gold-Based Brazing Materials
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 7 Market Breakup by Application
 - 7.1 HVAC&R
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
 - 7.2 Automotive
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
 - 7.3 Aerospace
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
 - 7.4 Medical
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
 - 7.5 Electricals and Electronics
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast
 - 7.6 Others
 - 7.6.1 Market Trends
 - 7.6.2 Market Forecast
- 8 Market Breakup by Region
 - 8.1 North America
 - 8.1.1 United States
 - 8.1.1.1 Market Trends
 - 8.1.1.2 Market Forecast
 - 8.1.2 Canada
 - 8.1.2.1 Market Trends

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.1.2.2 Market Forecast
- 8.2 Asia-Pacific
 - 8.2.1 China
 - 8.2.1.1 Market Trends
 - 8.2.1.2 Market Forecast
 - 8.2.2 Japan
 - 8.2.2.1 Market Trends
 - 8.2.2.2 Market Forecast
 - 8.2.3 India
 - 8.2.3.1 Market Trends
 - 8.2.3.2 Market Forecast
 - 8.2.4 South Korea
 - 8.2.4.1 Market Trends
 - 8.2.4.2 Market Forecast
 - 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
 - 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
 - 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
 - 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
 - 8.3.7 Others
 - 8.3.7.1 Market Trends
 - 8.3.7.2 Market Forecast
- 8.4 Latin America
 - 8.4.1 Brazil

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.4.1.1 Market Trends
- 8.4.1.2 Market Forecast
- 8.4.2 Mexico
 - 8.4.2.1 Market Trends
 - 8.4.2.2 Market Forecast
- 8.4.3 Others
 - 8.4.3.1 Market Trends
 - 8.4.3.2 Market Forecast
- 8.5 Middle East and Africa
 - 8.5.1 Market Trends
 - 8.5.2 Market Breakup by Country
 - 8.5.3 Market Forecast
- 9 Drivers, Restraints, and Opportunities
 - 9.1 Overview
 - 9.2 Drivers
 - 9.3 Restraints
 - 9.4 Opportunities
- 10 Value Chain Analysis
- 11 Porters Five Forces Analysis
 - 11.1 Overview
 - 11.2 Bargaining Power of Buyers
 - 11.3 Bargaining Power of Suppliers
 - 11.4 Degree of Competition
 - 11.5 Threat of New Entrants
 - 11.6 Threat of Substitutes
- 12 Price Analysis
- 13 Competitive Landscape
 - 13.1 Market Structure
 - 13.2 Key Players
 - 13.3 Profiles of Key Players
 - 13.3.1 Aimtek Inc.
 - 13.3.1.1 Company Overview
 - 13.3.1.2 Product Portfolio
 - 13.3.2 Indian Solder and Brazing Alloys
 - 13.3.2.1 Company Overview
 - 13.3.2.2 Product Portfolio
 - 13.3.3 Johnson Matthey PLC
 - 13.3.3.1 Company Overview
 - 13.3.3.2 Product Portfolio
 - 13.3.4 Linbrazo S.r.l.
 - 13.3.4.1 Company Overview
 - 13.3.4.2 Product Portfolio
 - 13.3.5 Lucas-Milhaupt, Inc. (Steel Partners Holdings L.P.)
 - 13.3.5.1 Company Overview
 - 13.3.5.2 Product Portfolio
 - 13.3.6 Materion Corporation
 - 13.3.6.1 Company Overview

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 13.3.6.2 Product Portfolio
- 13.3.7 Morgan Advanced Materials PLC
 - 13.3.7.1 Company Overview
 - 13.3.7.2 Product Portfolio
- 13.3.8 Pietro Galliani Brazing S.p.A
 - 13.3.8.1 Company Overview
 - 13.3.8.2 Product Portfolio
- 13.3.9 Prince & Izant Company
 - 13.3.9.1 Company Overview
 - 13.3.9.2 Product Portfolio
- 13.3.10 Sentes-BIR A.S.
 - 13.3.10.1 Company Overview
 - 13.3.10.2 Product Portfolio
- 13.3.11 The Lincoln Electric Company
 - 13.3.11.1 Company Overview
 - 13.3.11.2 Product Portfolio
- 13.3.12 Umicore
 - 13.3.12.1 Company Overview
 - 13.3.12.2 Product Portfolio
- 13.3.13 WIELAND Edelmetalle GmbH (SAXONIA Group)
 - 13.3.13.1 Company Overview
 - 13.3.13.2 Product Portfolio

Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Silver and Gold-based Brazing Materials Market by Product Type (Silver-Based Brazing Materials, Gold-Based Brazing Materials), Application (HVAC&R, Automotive, Aerospace, Medical, Electricals and Electronics, and Others), and Region 2025-2033

Market Report | 2025-03-01 | 138 pages | IMARC Group

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Electronic (PDF) Single User	\$3999.00
	Five User Licence	\$4999.00
	Enterprisewide License	\$5999.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-03"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Signature

An empty rectangular box with a thin black border, intended for a signature.