

Global Solid Cored Solder Wire Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Solid Cored Solder Wire market size is expected to reach \$ 5392 million by 2032, rising at a market growth of 4.2% CAGR during the forecast period (2026-2032).

Solid solder wire is a tin alloy solder without a flux core. It consists of a single metal or alloy and is in solid wire form. Unlike rosin-core solder wire, it requires the addition of flux during soldering. It is suitable for special applications such as fuses and metal fittings, as well as scenarios requiring clean soldering or with specific flux composition requirements.

Upstream industries mainly include suppliers of raw metals such as tin, lead, silver, and copper, as well as smelting and processing enterprises. Raw material costs are significantly affected by fluctuations in international tin prices and export policies. Downstream industries cover electronic component manufacturing, automotive electronics, photovoltaic modules, and fuse production, serving manufacturing processes requiring clean soldering or special processes. The global price of solid solder wire is \$16,120 per ton, with annual sales of approximately 243,500 tons, global production capacity of 280,000 tons, and an industry profit margin of 15%.

The global solid solder wire market is undergoing profound changes due to technological upgrades and demand differentiation. In terms of product form, solid solder wire is rapidly evolving towards ultra-fine diameters and high purity to meet the stringent requirements of precision components and special alloy welding. Because solid solder wire contains no flux, its applications are expanding from traditional fuse and metal pipe welding to fields such as aerospace and medical equipment where post-soldering residues are strictly limited. At the process level, the ability to use solid solder wire separately from flux gives it greater flexibility in automated welding systems,

allowing for precise control in conjunction with various flux spraying equipment. Market demand is shifting from general-purpose to customized special alloys, with significant growth in demand for high-temperature alloy solid wires such as tin-silver-copper and tin-antimony in the new energy and automotive electronics sectors. The supply side is showing a polarization trend, with leading companies dominating the high-end market with high-purity smelting technology and precision drawing processes, while competition intensifies in the low-end general-purpose market. Continuously upgraded environmental regulations are driving the lead-free process, with the EU RoHS directive and China's new restrictions imposing stricter requirements on impurity content, forcing companies to upgrade their purification technologies and supply chain management systems.

This report studies the global Solid Cored Solder Wire production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Solid Cored Solder Wire 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 Solid Cored Solder Wire that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Solid Cored Solder Wire total production and demand, 2021-2032, (Tons)

Global Solid Cored Solder Wire total production value, 2021-2032, (USD Million)

Global Solid Cored Solder Wire production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Solid Cored Solder Wire consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Solid Cored Solder Wire domestic production, consumption, key domestic manufacturers and share

Global Solid Cored Solder Wire production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Solid Cored Solder Wire production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Solid Cored Solder Wire production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Solid Cored Solder Wire market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Harima, SMIC Senju, Kester, Alpha, Arakawa Chemical Industries, Almit, Yunnan Tin Group, Tamura Elsold, Indium, Henkel, 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 Solid Cored Solder Wire market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, 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 Solid Cored Solder Wire Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Solid Cored Solder Wire Market, Segmentation by Type:

Lead-Free

Leaded

Global Solid Cored Solder Wire Market, Segmentation by Production Process:

Continuous Casting & Rolling

Extrusion

Global Solid Cored Solder Wire Market, Segmentation by Wire Diameter Specifications:

?0.3mm

0.5-0.8mm

1.0-1.2mm

Global Solid Cored Solder Wire Market, Segmentation by Application:

Consumer Electronics

communication Electronics

Industrial Electronics

Automotive Electronics

New Energy

Others

Companies Profiled:

Harima

SMIC Senju

Kester

Alpha

Arakawa Chemical Industries

Almit

Yunnan Tin Group

Tamura Elsold

Indium

Henkel

Heraeus Electronics

AIM Metals & Alloys

Nihon Superior

Qualitek

Balver Zinn

Vital Material

Shenmao Technology

Tongfang Tech

Huaguang

U-Bond Technology

Key Questions Answered:

1. How big is the global Solid Cored Solder Wire market?
2. What is the demand of the global Solid Cored Solder Wire market?
3. What is the year over year growth of the global Solid Cored Solder Wire market?
4. What is the production and production value of the global Solid Cored Solder Wire market?
5. Who are the key producers in the global Solid Cored Solder Wire market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Solid Cored Solder Wire Introduction
- 1.2 World Solid Cored Solder Wire Supply & Forecast
 - 1.2.1 World Solid Cored Solder Wire Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Solid Cored Solder Wire Production (2021-2032)
 - 1.2.3 World Solid Cored Solder Wire Pricing Trends (2021-2032)
- 1.3 World Solid Cored Solder Wire Production by Region (Based on Production Site)
 - 1.3.1 World Solid Cored Solder Wire Production Value by Region (2021-2032)
 - 1.3.2 World Solid Cored Solder Wire Production by Region (2021-2032)
 - 1.3.3 World Solid Cored Solder Wire Average Price by Region (2021-2032)
 - 1.3.4 North America Solid Cored Solder Wire Production (2021-2032)
 - 1.3.5 Europe Solid Cored Solder Wire Production (2021-2032)
 - 1.3.6 China Solid Cored Solder Wire Production (2021-2032)
 - 1.3.7 Japan Solid Cored Solder Wire Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Solid Cored Solder Wire Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Solid Cored Solder Wire Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Solid Cored Solder Wire Demand (2021-2032)
- 2.2 World Solid Cored Solder Wire Consumption by Region
 - 2.2.1 World Solid Cored Solder Wire Consumption by Region (2021-2026)
 - 2.2.2 World Solid Cored Solder Wire Consumption Forecast by Region (2027-2032)
- 2.3 United States Solid Cored Solder Wire Consumption (2021-2032)
- 2.4 China Solid Cored Solder Wire Consumption (2021-2032)
- 2.5 Europe Solid Cored Solder Wire Consumption (2021-2032)
- 2.6 Japan Solid Cored Solder Wire Consumption (2021-2032)
- 2.7 South Korea Solid Cored Solder Wire Consumption (2021-2032)
- 2.8 ASEAN Solid Cored Solder Wire Consumption (2021-2032)
- 2.9 India Solid Cored Solder Wire Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Solid Cored Solder Wire Production Value by Manufacturer (2021-2026)

- 3.2 World Solid Cored Solder Wire Production by Manufacturer (2021-2026)
- 3.3 World Solid Cored Solder Wire Average Price by Manufacturer (2021-2026)
- 3.4 Solid Cored Solder Wire Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Solid Cored Solder Wire Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Solid Cored Solder Wire in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Solid Cored Solder Wire in 2025
- 3.6 Solid Cored Solder Wire Market: Overall Company Footprint Analysis
 - 3.6.1 Solid Cored Solder Wire Market: Region Footprint
 - 3.6.2 Solid Cored Solder Wire Market: Company Product Type Footprint
 - 3.6.3 Solid Cored Solder Wire Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Solid Cored Solder Wire Production Value Comparison
 - 4.1.1 United States VS China: Solid Cored Solder Wire Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Solid Cored Solder Wire Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Solid Cored Solder Wire Production Comparison
 - 4.2.1 United States VS China: Solid Cored Solder Wire Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Solid Cored Solder Wire Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Solid Cored Solder Wire Consumption Comparison
 - 4.3.1 United States VS China: Solid Cored Solder Wire Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Solid Cored Solder Wire Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Solid Cored Solder Wire Manufacturers and Market Share, 2021-2026
 - 4.4.1 United States Based Solid Cored Solder Wire Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Solid Cored Solder Wire Production Value (2021-2026)

4.4.3 United States Based Manufacturers Solid Cored Solder Wire Production (2021-2026)

4.5 China Based Solid Cored Solder Wire Manufacturers and Market Share

4.5.1 China Based Solid Cored Solder Wire Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Solid Cored Solder Wire Production Value (2021-2026)

4.5.3 China Based Manufacturers Solid Cored Solder Wire Production (2021-2026)

4.6 Rest of World Based Solid Cored Solder Wire Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Solid Cored Solder Wire Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Solid Cored Solder Wire Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Solid Cored Solder Wire Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Solid Cored Solder Wire Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Lead-Free

5.2.2 Leaded

5.3 Market Segment by Type

5.3.1 World Solid Cored Solder Wire Production by Type (2021-2032)

5.3.2 World Solid Cored Solder Wire Production Value by Type (2021-2032)

5.3.3 World Solid Cored Solder Wire Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY PRODUCTION PROCESS

6.1 World Solid Cored Solder Wire Market Size Overview by Production Process: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Production Process

6.2.1 Continuous Casting & Rolling

6.2.2 Extrusion

6.3 Market Segment by Production Process

- 6.3.1 World Solid Cored Solder Wire Production by Production Process (2021-2032)
- 6.3.2 World Solid Cored Solder Wire Production Value by Production Process (2021-2032)
- 6.3.3 World Solid Cored Solder Wire Average Price by Production Process (2021-2032)

7 MARKET ANALYSIS BY WIRE DIAMETER SPECIFICATIONS

- 7.1 World Solid Cored Solder Wire Market Size Overview by Wire Diameter Specifications: 2021 VS 2025 VS 2032
- 7.2 Segment Introduction by Wire Diameter Specifications
 - 7.2.1 \varnothing0.3mm
 - 7.2.2 0.5-0.8mm
 - 7.2.3 1.0-1.2mm
- 7.3 Market Segment by Wire Diameter Specifications
 - 7.3.1 World Solid Cored Solder Wire Production by Wire Diameter Specifications (2021-2032)
 - 7.3.2 World Solid Cored Solder Wire Production Value by Wire Diameter Specifications (2021-2032)
 - 7.3.3 World Solid Cored Solder Wire Average Price by Wire Diameter Specifications (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

- 8.1 World Solid Cored Solder Wire Market Size Overview by Application: 2021 VS 2025 VS 2032
- 8.2 Segment Introduction by Application
 - 8.2.1 Consumer Electronics
 - 8.2.2 communication Electronics
 - 8.2.3 Industrial Electronics
 - 8.2.4 Automotive Electronics
 - 8.2.5 New Energy
 - 8.2.6 Others
- 8.3 Market Segment by Application
 - 8.3.1 World Solid Cored Solder Wire Production by Application (2021-2032)
 - 8.3.2 World Solid Cored Solder Wire Production Value by Application (2021-2032)
 - 8.3.3 World Solid Cored Solder Wire Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Harima

9.1.1 Harima Details

9.1.2 Harima Major Business

9.1.3 Harima Solid Cored Solder Wire Product and Services

9.1.4 Harima Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Harima Recent Developments/Updates

9.1.6 Harima Competitive Strengths & Weaknesses

9.2 SMIC Senju

9.2.1 SMIC Senju Details

9.2.2 SMIC Senju Major Business

9.2.3 SMIC Senju Solid Cored Solder Wire Product and Services

9.2.4 SMIC Senju Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 SMIC Senju Recent Developments/Updates

9.2.6 SMIC Senju Competitive Strengths & Weaknesses

9.3 Kester

9.3.1 Kester Details

9.3.2 Kester Major Business

9.3.3 Kester Solid Cored Solder Wire Product and Services

9.3.4 Kester Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Kester Recent Developments/Updates

9.3.6 Kester Competitive Strengths & Weaknesses

9.4 Alpha

9.4.1 Alpha Details

9.4.2 Alpha Major Business

9.4.3 Alpha Solid Cored Solder Wire Product and Services

9.4.4 Alpha Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Alpha Recent Developments/Updates

9.4.6 Alpha Competitive Strengths & Weaknesses

9.5 Arakawa Chemical Industries

9.5.1 Arakawa Chemical Industries Details

9.5.2 Arakawa Chemical Industries Major Business

9.5.3 Arakawa Chemical Industries Solid Cored Solder Wire Product and Services

9.5.4 Arakawa Chemical Industries Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 Arakawa Chemical Industries Recent Developments/Updates

9.5.6 Arakawa Chemical Industries Competitive Strengths & Weaknesses

9.6 Almit

9.6.1 Almit Details

9.6.2 Almit Major Business

9.6.3 Almit Solid Cored Solder Wire Product and Services

9.6.4 Almit Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Almit Recent Developments/Updates

9.6.6 Almit Competitive Strengths & Weaknesses

9.7 Yunnan Tin Group

9.7.1 Yunnan Tin Group Details

9.7.2 Yunnan Tin Group Major Business

9.7.3 Yunnan Tin Group Solid Cored Solder Wire Product and Services

9.7.4 Yunnan Tin Group Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Yunnan Tin Group Recent Developments/Updates

9.7.6 Yunnan Tin Group Competitive Strengths & Weaknesses

9.8 Tamura Elsold

9.8.1 Tamura Elsold Details

9.8.2 Tamura Elsold Major Business

9.8.3 Tamura Elsold Solid Cored Solder Wire Product and Services

9.8.4 Tamura Elsold Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Tamura Elsold Recent Developments/Updates

9.8.6 Tamura Elsold Competitive Strengths & Weaknesses

9.9 Indium

9.9.1 Indium Details

9.9.2 Indium Major Business

9.9.3 Indium Solid Cored Solder Wire Product and Services

9.9.4 Indium Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 Indium Recent Developments/Updates

9.9.6 Indium Competitive Strengths & Weaknesses

9.10 Henkel

9.10.1 Henkel Details

9.10.2 Henkel Major Business

9.10.3 Henkel Solid Cored Solder Wire Product and Services

9.10.4 Henkel Solid Cored Solder Wire Production, Price, Value, Gross Margin and

Market Share (2021-2026)

9.10.5 Henkel Recent Developments/Updates

9.10.6 Henkel Competitive Strengths & Weaknesses

9.11 Heraeus Electronics

9.11.1 Heraeus Electronics Details

9.11.2 Heraeus Electronics Major Business

9.11.3 Heraeus Electronics Solid Cored Solder Wire Product and Services

9.11.4 Heraeus Electronics Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.11.5 Heraeus Electronics Recent Developments/Updates

9.11.6 Heraeus Electronics Competitive Strengths & Weaknesses

9.12 AIM Metals & Alloys

9.12.1 AIM Metals & Alloys Details

9.12.2 AIM Metals & Alloys Major Business

9.12.3 AIM Metals & Alloys Solid Cored Solder Wire Product and Services

9.12.4 AIM Metals & Alloys Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.12.5 AIM Metals & Alloys Recent Developments/Updates

9.12.6 AIM Metals & Alloys Competitive Strengths & Weaknesses

9.13 Nihon Superior

9.13.1 Nihon Superior Details

9.13.2 Nihon Superior Major Business

9.13.3 Nihon Superior Solid Cored Solder Wire Product and Services

9.13.4 Nihon Superior Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.13.5 Nihon Superior Recent Developments/Updates

9.13.6 Nihon Superior Competitive Strengths & Weaknesses

9.14 Qualitek

9.14.1 Qualitek Details

9.14.2 Qualitek Major Business

9.14.3 Qualitek Solid Cored Solder Wire Product and Services

9.14.4 Qualitek Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.14.5 Qualitek Recent Developments/Updates

9.14.6 Qualitek Competitive Strengths & Weaknesses

9.15 Balver Zinn

9.15.1 Balver Zinn Details

9.15.2 Balver Zinn Major Business

9.15.3 Balver Zinn Solid Cored Solder Wire Product and Services

9.15.4 Balver Zinn Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.15.5 Balver Zinn Recent Developments/Updates

9.15.6 Balver Zinn Competitive Strengths & Weaknesses

9.16 Vital Material

9.16.1 Vital Material Details

9.16.2 Vital Material Major Business

9.16.3 Vital Material Solid Cored Solder Wire Product and Services

9.16.4 Vital Material Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.16.5 Vital Material Recent Developments/Updates

9.16.6 Vital Material Competitive Strengths & Weaknesses

9.17 Shenmao Technology

9.17.1 Shenmao Technology Details

9.17.2 Shenmao Technology Major Business

9.17.3 Shenmao Technology Solid Cored Solder Wire Product and Services

9.17.4 Shenmao Technology Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.17.5 Shenmao Technology Recent Developments/Updates

9.17.6 Shenmao Technology Competitive Strengths & Weaknesses

9.18 Tongfang Tech

9.18.1 Tongfang Tech Details

9.18.2 Tongfang Tech Major Business

9.18.3 Tongfang Tech Solid Cored Solder Wire Product and Services

9.18.4 Tongfang Tech Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.18.5 Tongfang Tech Recent Developments/Updates

9.18.6 Tongfang Tech Competitive Strengths & Weaknesses

9.19 Huaguang

9.19.1 Huaguang Details

9.19.2 Huaguang Major Business

9.19.3 Huaguang Solid Cored Solder Wire Product and Services

9.19.4 Huaguang Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.19.5 Huaguang Recent Developments/Updates

9.19.6 Huaguang Competitive Strengths & Weaknesses

9.20 U-Bond Technology

9.20.1 U-Bond Technology Details

9.20.2 U-Bond Technology Major Business

- 9.20.3 U-Bond Technology Solid Cored Solder Wire Product and Services
- 9.20.4 U-Bond Technology Solid Cored Solder Wire Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.20.5 U-Bond Technology Recent Developments/Updates
- 9.20.6 U-Bond Technology Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Solid Cored Solder Wire Industry Chain
- 10.2 Solid Cored Solder Wire Upstream Analysis
 - 10.2.1 Solid Cored Solder Wire Core Raw Materials
 - 10.2.2 Main Manufacturers of Solid Cored Solder Wire Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Solid Cored Solder Wire Production Mode
- 10.6 Solid Cored Solder Wire Procurement Model
- 10.7 Solid Cored Solder Wire Industry Sales Model and Sales Channels
 - 10.7.1 Solid Cored Solder Wire Sales Model
 - 10.7.2 Solid Cored Solder Wire Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Solid Cored Solder Wire Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Solid Cored Solder Wire Production Value by Region (2021-2026) & (USD Million)

Table 3. World Solid Cored Solder Wire Production Value by Region (2027-2032) & (USD Million)

Table 4. World Solid Cored Solder Wire Production Value Market Share by Region (2021-2026)

Table 5. World Solid Cored Solder Wire Production Value Market Share by Region (2027-2032)

Table 6. World Solid Cored Solder Wire Production by Region (2021-2026) & (Tons)

Table 7. World Solid Cored Solder Wire Production by Region (2027-2032) & (Tons)

Table 8. World Solid Cored Solder Wire Production Market Share by Region (2021-2026)

Table 9. World Solid Cored Solder Wire Production Market Share by Region (2027-2032)

Table 10. World Solid Cored Solder Wire Average Price by Region (2021-2026) & (US\$/Ton)

Table 11. World Solid Cored Solder Wire Average Price by Region (2027-2032) & (US\$/Ton)

Table 12. Solid Cored Solder Wire Major Market Trends

Table 13. World Solid Cored Solder Wire Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World Solid Cored Solder Wire Consumption by Region (2021-2026) & (Tons)

Table 15. World Solid Cored Solder Wire Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World Solid Cored Solder Wire Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Solid Cored Solder Wire Producers in 2025

Table 18. World Solid Cored Solder Wire Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key Solid Cored Solder Wire Producers in 2025

Table 20. World Solid Cored Solder Wire Average Price by Manufacturer (2021-2026) & (US\$/Ton)

- Table 21. Global Solid Cored Solder Wire Company Evaluation Quadrant
- Table 22. World Solid Cored Solder Wire Industry Rank of Major Manufacturers, Based on Production Value in 2025
- Table 23. Head Office and Solid Cored Solder Wire Production Site of Key Manufacturer
- Table 24. Solid Cored Solder Wire Market: Company Product Type Footprint
- Table 25. Solid Cored Solder Wire Market: Company Product Application Footprint
- Table 26. Solid Cored Solder Wire Competitive Factors
- Table 27. Solid Cored Solder Wire New Entrant and Capacity Expansion Plans
- Table 28. Solid Cored Solder Wire Mergers & Acquisitions Activity
- Table 29. United States VS China Solid Cored Solder Wire Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)
- Table 30. United States VS China Solid Cored Solder Wire Production Comparison, (2021 & 2025 & 2032) & (Tons)
- Table 31. United States VS China Solid Cored Solder Wire Consumption Comparison, (2021 & 2025 & 2032) & (Tons)
- Table 32. United States Based Solid Cored Solder Wire Manufacturers, Headquarters and Production Site (States, Country)
- Table 33. United States Based Manufacturers Solid Cored Solder Wire Production Value, (2021-2026) & (USD Million)
- Table 34. United States Based Manufacturers Solid Cored Solder Wire Production Value Market Share (2021-2026)
- Table 35. United States Based Manufacturers Solid Cored Solder Wire Production (2021-2026) & (Tons)
- Table 36. United States Based Manufacturers Solid Cored Solder Wire Production Market Share (2021-2026)
- Table 37. China Based Solid Cored Solder Wire Manufacturers, Headquarters and Production Site (Province, Country)
- Table 38. China Based Manufacturers Solid Cored Solder Wire Production Value, (2021-2026) & (USD Million)
- Table 39. China Based Manufacturers Solid Cored Solder Wire Production Value Market Share (2021-2026)
- Table 40. China Based Manufacturers Solid Cored Solder Wire Production, (2021-2026) & (Tons)
- Table 41. China Based Manufacturers Solid Cored Solder Wire Production Market Share (2021-2026)
- Table 42. Rest of World Based Solid Cored Solder Wire Manufacturers, Headquarters and Production Site (State, Country)
- Table 43. Rest of World Based Manufacturers Solid Cored Solder Wire Production

Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Solid Cored Solder Wire Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Solid Cored Solder Wire Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers Solid Cored Solder Wire Production Market Share (2021-2026)

Table 47. World Solid Cored Solder Wire Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Solid Cored Solder Wire Production by Type (2021-2026) & (Tons)

Table 49. World Solid Cored Solder Wire Production by Type (2027-2032) & (Tons)

Table 50. World Solid Cored Solder Wire Production Value by Type (2021-2026) & (USD Million)

Table 51. World Solid Cored Solder Wire Production Value by Type (2027-2032) & (USD Million)

Table 52. World Solid Cored Solder Wire Average Price by Type (2021-2026) & (US\$/Ton)

Table 53. World Solid Cored Solder Wire Average Price by Type (2027-2032) & (US\$/Ton)

Table 54. World Solid Cored Solder Wire Production Value by Production Process, (USD Million), 2021 & 2025 & 2032

Table 55. World Solid Cored Solder Wire Production by Production Process (2021-2026) & (Tons)

Table 56. World Solid Cored Solder Wire Production by Production Process (2027-2032) & (Tons)

Table 57. World Solid Cored Solder Wire Production Value by Production Process (2021-2026) & (USD Million)

Table 58. World Solid Cored Solder Wire Production Value by Production Process (2027-2032) & (USD Million)

Table 59. World Solid Cored Solder Wire Average Price by Production Process (2021-2026) & (US\$/Ton)

Table 60. World Solid Cored Solder Wire Average Price by Production Process (2027-2032) & (US\$/Ton)

Table 61. World Solid Cored Solder Wire Production Value by Wire Diameter Specifications, (USD Million), 2021 & 2025 & 2032

Table 62. World Solid Cored Solder Wire Production by Wire Diameter Specifications (2021-2026) & (Tons)

Table 63. World Solid Cored Solder Wire Production by Wire Diameter Specifications (2027-2032) & (Tons)

- Table 64. World Solid Cored Solder Wire Production Value by Wire Diameter Specifications (2021-2026) & (USD Million)
- Table 65. World Solid Cored Solder Wire Production Value by Wire Diameter Specifications (2027-2032) & (USD Million)
- Table 66. World Solid Cored Solder Wire Average Price by Wire Diameter Specifications (2021-2026) & (US\$/Ton)
- Table 67. World Solid Cored Solder Wire Average Price by Wire Diameter Specifications (2027-2032) & (US\$/Ton)
- Table 68. World Solid Cored Solder Wire Production Value by Application, (USD Million), 2021 & 2025 & 2032
- Table 69. World Solid Cored Solder Wire Production by Application (2021-2026) & (Tons)
- Table 70. World Solid Cored Solder Wire Production by Application (2027-2032) & (Tons)
- Table 71. World Solid Cored Solder Wire Production Value by Application (2021-2026) & (USD Million)
- Table 72. World Solid Cored Solder Wire Production Value by Application (2027-2032) & (USD Million)
- Table 73. World Solid Cored Solder Wire Average Price by Application (2021-2026) & (US\$/Ton)
- Table 74. World Solid Cored Solder Wire Average Price by Application (2027-2032) & (US\$/Ton)
- Table 75. Harima Basic Information, Manufacturing Base and Competitors
- Table 76. Harima Major Business
- Table 77. Harima Solid Cored Solder Wire Product and Services
- Table 78. Harima Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 79. Harima Recent Developments/Updates
- Table 80. Harima Competitive Strengths & Weaknesses
- Table 81. SMIC Senju Basic Information, Manufacturing Base and Competitors
- Table 82. SMIC Senju Major Business
- Table 83. SMIC Senju Solid Cored Solder Wire Product and Services
- Table 84. SMIC Senju Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 85. SMIC Senju Recent Developments/Updates
- Table 86. SMIC Senju Competitive Strengths & Weaknesses
- Table 87. Kester Basic Information, Manufacturing Base and Competitors
- Table 88. Kester Major Business
- Table 89. Kester Solid Cored Solder Wire Product and Services

- Table 90. Kester Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. Kester Recent Developments/Updates
- Table 92. Kester Competitive Strengths & Weaknesses
- Table 93. Alpha Basic Information, Manufacturing Base and Competitors
- Table 94. Alpha Major Business
- Table 95. Alpha Solid Cored Solder Wire Product and Services
- Table 96. Alpha Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. Alpha Recent Developments/Updates
- Table 98. Alpha Competitive Strengths & Weaknesses
- Table 99. Arakawa Chemical Industries Basic Information, Manufacturing Base and Competitors
- Table 100. Arakawa Chemical Industries Major Business
- Table 101. Arakawa Chemical Industries Solid Cored Solder Wire Product and Services
- Table 102. Arakawa Chemical Industries Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. Arakawa Chemical Industries Recent Developments/Updates
- Table 104. Arakawa Chemical Industries Competitive Strengths & Weaknesses
- Table 105. Almit Basic Information, Manufacturing Base and Competitors
- Table 106. Almit Major Business
- Table 107. Almit Solid Cored Solder Wire Product and Services
- Table 108. Almit Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 109. Almit Recent Developments/Updates
- Table 110. Almit Competitive Strengths & Weaknesses
- Table 111. Yunnan Tin Group Basic Information, Manufacturing Base and Competitors
- Table 112. Yunnan Tin Group Major Business
- Table 113. Yunnan Tin Group Solid Cored Solder Wire Product and Services
- Table 114. Yunnan Tin Group Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. Yunnan Tin Group Recent Developments/Updates
- Table 116. Yunnan Tin Group Competitive Strengths & Weaknesses
- Table 117. Tamura Elsold Basic Information, Manufacturing Base and Competitors
- Table 118. Tamura Elsold Major Business
- Table 119. Tamura Elsold Solid Cored Solder Wire Product and Services
- Table 120. Tamura Elsold Solid Cored Solder Wire Production (Tons), Price (US\$/Ton),

- Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 121. Tamura Elsold Recent Developments/Updates
- Table 122. Tamura Elsold Competitive Strengths & Weaknesses
- Table 123. Indium Basic Information, Manufacturing Base and Competitors
- Table 124. Indium Major Business
- Table 125. Indium Solid Cored Solder Wire Product and Services
- Table 126. Indium Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 127. Indium Recent Developments/Updates
- Table 128. Indium Competitive Strengths & Weaknesses
- Table 129. Henkel Basic Information, Manufacturing Base and Competitors
- Table 130. Henkel Major Business
- Table 131. Henkel Solid Cored Solder Wire Product and Services
- Table 132. Henkel Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 133. Henkel Recent Developments/Updates
- Table 134. Henkel Competitive Strengths & Weaknesses
- Table 135. Heraeus Electronics Basic Information, Manufacturing Base and Competitors
- Table 136. Heraeus Electronics Major Business
- Table 137. Heraeus Electronics Solid Cored Solder Wire Product and Services
- Table 138. Heraeus Electronics Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 139. Heraeus Electronics Recent Developments/Updates
- Table 140. Heraeus Electronics Competitive Strengths & Weaknesses
- Table 141. AIM Metals & Alloys Basic Information, Manufacturing Base and Competitors
- Table 142. AIM Metals & Alloys Major Business
- Table 143. AIM Metals & Alloys Solid Cored Solder Wire Product and Services
- Table 144. AIM Metals & Alloys Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 145. AIM Metals & Alloys Recent Developments/Updates
- Table 146. AIM Metals & Alloys Competitive Strengths & Weaknesses
- Table 147. Nihon Superior Basic Information, Manufacturing Base and Competitors
- Table 148. Nihon Superior Major Business
- Table 149. Nihon Superior Solid Cored Solder Wire Product and Services
- Table 150. Nihon Superior Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

- Table 151. Nihon Superior Recent Developments/Updates
- Table 152. Nihon Superior Competitive Strengths & Weaknesses
- Table 153. Qualitek Basic Information, Manufacturing Base and Competitors
- Table 154. Qualitek Major Business
- Table 155. Qualitek Solid Cored Solder Wire Product and Services
- Table 156. Qualitek Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 157. Qualitek Recent Developments/Updates
- Table 158. Qualitek Competitive Strengths & Weaknesses
- Table 159. Balver Zinn Basic Information, Manufacturing Base and Competitors
- Table 160. Balver Zinn Major Business
- Table 161. Balver Zinn Solid Cored Solder Wire Product and Services
- Table 162. Balver Zinn Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 163. Balver Zinn Recent Developments/Updates
- Table 164. Balver Zinn Competitive Strengths & Weaknesses
- Table 165. Vital Material Basic Information, Manufacturing Base and Competitors
- Table 166. Vital Material Major Business
- Table 167. Vital Material Solid Cored Solder Wire Product and Services
- Table 168. Vital Material Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 169. Vital Material Recent Developments/Updates
- Table 170. Vital Material Competitive Strengths & Weaknesses
- Table 171. Shenmao Technology Basic Information, Manufacturing Base and Competitors
- Table 172. Shenmao Technology Major Business
- Table 173. Shenmao Technology Solid Cored Solder Wire Product and Services
- Table 174. Shenmao Technology Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 175. Shenmao Technology Recent Developments/Updates
- Table 176. Shenmao Technology Competitive Strengths & Weaknesses
- Table 177. Tongfang Tech Basic Information, Manufacturing Base and Competitors
- Table 178. Tongfang Tech Major Business
- Table 179. Tongfang Tech Solid Cored Solder Wire Product and Services
- Table 180. Tongfang Tech Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 181. Tongfang Tech Recent Developments/Updates
- Table 182. Tongfang Tech Competitive Strengths & Weaknesses

- Table 183. Huaguang Basic Information, Manufacturing Base and Competitors
- Table 184. Huaguang Major Business
- Table 185. Huaguang Solid Cored Solder Wire Product and Services
- Table 186. Huaguang Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 187. Huaguang Recent Developments/Updates
- Table 188. Huaguang Competitive Strengths & Weaknesses
- Table 189. U-Bond Technology Basic Information, Manufacturing Base and Competitors
- Table 190. U-Bond Technology Major Business
- Table 191. U-Bond Technology Solid Cored Solder Wire Product and Services
- Table 192. U-Bond Technology Solid Cored Solder Wire Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 193. U-Bond Technology Recent Developments/Updates
- Table 194. U-Bond Technology Competitive Strengths & Weaknesses
- Table 195. Global Key Players of Solid Cored Solder Wire Upstream (Raw Materials)
- Table 196. Global Solid Cored Solder Wire Typical Customers
- Table 197. Solid Cored Solder Wire Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Solid Cored Solder Wire Picture

Figure 2. World Solid Cored Solder Wire Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Solid Cored Solder Wire Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Solid Cored Solder Wire Production (2021-2032) & (Tons)

Figure 5. World Solid Cored Solder Wire Average Price (2021-2032) & (US\$/Ton)

Figure 6. World Solid Cored Solder Wire Production Value Market Share by Region (2021-2032)

Figure 7. World Solid Cored Solder Wire Production Market Share by Region (2021-2032)

Figure 8. North America Solid Cored Solder Wire Production (2021-2032) & (Tons)

Figure 9. Europe Solid Cored Solder Wire Production (2021-2032) & (Tons)

Figure 10. China Solid Cored Solder Wire Production (2021-2032) & (Tons)

Figure 11. Japan Solid Cored Solder Wire Production (2021-2032) & (Tons)

Figure 12. Solid Cored Solder Wire Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Solid Cored Solder Wire Consumption (2021-2032) & (Tons)

Figure 15. World Solid Cored Solder Wire Consumption Market Share by Region (2021-2032)

Figure 16. United States Solid Cored Solder Wire Consumption (2021-2032) & (Tons)

Figure 17. China Solid Cored Solder Wire Consumption (2021-2032) & (Tons)

Figure 18. Europe Solid Cored Solder Wire Consumption (2021-2032) & (Tons)

Figure 19. Japan Solid Cored Solder Wire Consumption (2021-2032) & (Tons)

Figure 20. South Korea Solid Cored Solder Wire Consumption (2021-2032) & (Tons)

Figure 21. ASEAN Solid Cored Solder Wire Consumption (2021-2032) & (Tons)

Figure 22. India Solid Cored Solder Wire Consumption (2021-2032) & (Tons)

Figure 23. Producer Shipments of Solid Cored Solder Wire by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Solid Cored Solder Wire Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Solid Cored Solder Wire Markets in 2025

Figure 26. United States VS China: Solid Cored Solder Wire Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Solid Cored Solder Wire Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Solid Cored Solder Wire Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Solid Cored Solder Wire Production Market Share 2025

Figure 30. China Based Manufacturers Solid Cored Solder Wire Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Solid Cored Solder Wire Production Market Share 2025

Figure 32. World Solid Cored Solder Wire Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Solid Cored Solder Wire Production Value Market Share by Type in 2025

Figure 34. Lead-Free

Figure 35. Leaded

Figure 36. World Solid Cored Solder Wire Production Market Share by Type (2021-2032)

Figure 37. World Solid Cored Solder Wire Production Value Market Share by Type (2021-2032)

Figure 38. World Solid Cored Solder Wire Average Price by Type (2021-2032) & (US\$/Ton)

Figure 39. World Solid Cored Solder Wire Production Value by Production Process, (USD Million), 2021 & 2025 & 2032

Figure 40. World Solid Cored Solder Wire Production Value Market Share by Production Process in 2025

Figure 41. Continuous Casting & Rolling

Figure 42. Extrusion

Figure 43. World Solid Cored Solder Wire Production Market Share by Production Process (2021-2032)

Figure 44. World Solid Cored Solder Wire Production Value Market Share by Production Process (2021-2032)

Figure 45. World Solid Cored Solder Wire Average Price by Production Process (2021-2032) & (US\$/Ton)

Figure 46. World Solid Cored Solder Wire Production Value by Wire Diameter Specifications, (USD Million), 2021 & 2025 & 2032

Figure 47. World Solid Cored Solder Wire Production Value Market Share by Wire Diameter Specifications in 2025

Figure 48. ?0.3mm

Figure 49. 0.5-0.8mm

Figure 50. 1.0-1.2mm

Figure 51. World Solid Cored Solder Wire Production Market Share by Wire Diameter Specifications (2021-2032)

Figure 52. World Solid Cored Solder Wire Production Value Market Share by Wire Diameter Specifications (2021-2032)

Figure 53. World Solid Cored Solder Wire Average Price by Wire Diameter Specifications (2021-2032) & (US\$/Ton)

Figure 54. World Solid Cored Solder Wire Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 55. World Solid Cored Solder Wire Production Value Market Share by Application in 2025

Figure 56. Consumer Electronics

Figure 57. communication Electronics

Figure 58. Industrial Electronics

Figure 59. Automotive Electronics

Figure 60. New Energy

Figure 61. Others

Figure 62. World Solid Cored Solder Wire Production Market Share by Application (2021-2032)

Figure 63. World Solid Cored Solder Wire Production Value Market Share by Application (2021-2032)

Figure 64. World Solid Cored Solder Wire Average Price by Application (2021-2032) & (US\$/Ton)

Figure 65. Solid Cored Solder Wire Industry Chain

Figure 66. Solid Cored Solder Wire Procurement Model

Figure 67. Solid Cored Solder Wire Sales Model

Figure 68. Solid Cored Solder Wire Sales Channels, Direct Sales, and Distribution

Figure 69. Methodology

Figure 70. Research Process and Data Source

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