

Global Liquid Silicon Infiltration (LSI) Market Growth 2026-2032

<https://marketpublishers.com/r/G74B736CBA3EEN.html>

Date: July 2026

Pages: 128

Price: US\$ 3,660.00 (Single User License)

ID: G74B736CBA3EEN

Abstracts

The global Liquid Silicon Infiltration (LSI) market size is predicted to grow from US\$ million in 2025 to US\$ million in 2032; it is expected to grow at a CAGR of % from 2026 to 2032.

Liquid silicon infiltration (LSI), also known as SiSiC, involves infiltrating a porous carbonaceous preform by molten Si, which exothermically reacts with C to form SiC, resulting ideally in a dense composite.

United States market for Liquid Silicon Infiltration (LSI) is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Liquid Silicon Infiltration (LSI) is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Liquid Silicon Infiltration (LSI) is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Liquid Silicon Infiltration (LSI) players cover Saint-Gobain, Kyocera, CoorsTek, CeramTec, 3M, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Liquid Silicon Infiltration (LSI) Industry Forecast" looks at past sales and reviews total world Liquid Silicon Infiltration (LSI) sales in 2025, providing a comprehensive analysis by region and market sector of projected Liquid Silicon Infiltration (LSI) sales for 2026 through 2032. With Liquid Silicon Infiltration (LSI) sales broken down by region, market sector and sub-sector, this report

provides a detailed analysis in US\$ millions of the world Liquid Silicon Infiltration (LSI) industry.

This Insight Report provides a comprehensive analysis of the global Liquid Silicon Infiltration (LSI) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Liquid Silicon Infiltration (LSI) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Liquid Silicon Infiltration (LSI) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Liquid Silicon Infiltration (LSI) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Liquid Silicon Infiltration (LSI).

This report presents a comprehensive overview, market shares, and growth opportunities of Liquid Silicon Infiltration (LSI) market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Silicon ? 10%

Silicon ?10%

Segmentation by Application:

Machinery Manufacturing

Metallurgical Industry

Chemical Engineering

Aerospace & Defense

Semiconductor

Automobile

Photovoltaics

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Saint-Gobain

Kyocera

CoorsTek

CeramTec

3M

Morgan Advanced Materials

Schunk

IPS Ceramics

Ferrotec

Japan Fine Ceramics

ASUZAC

Shaanxi UDC

Jinhong New Material

Shandong Huamei New Material Technology

Shantian New Materials

Zhejiang Dongxin New Material Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Liquid Silicon Infiltration (LSI) market?

What factors are driving Liquid Silicon Infiltration (LSI) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Liquid Silicon Infiltration (LSI) market opportunities vary by end market size?

How does Liquid Silicon Infiltration (LSI) break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Liquid Silicon Infiltration (LSI) Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for Liquid Silicon Infiltration (LSI) by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for Liquid Silicon Infiltration (LSI) by Country/Region, 2021, 2025 & 2032
- 2.2 Liquid Silicon Infiltration (LSI) Segment by Type
 - 2.2.1 Silicon ? 10%
 - 2.2.2 Silicon ?10%
 - 2.2.3 Liquid Silicon Infiltration (LSI) Sales by Type
 - 2.2.3.1 Global Liquid Silicon Infiltration (LSI) Sales Market Share by Type (2021-2026)
 - 2.2.3.2 Global Liquid Silicon Infiltration (LSI) Revenue and Market Share by Type (2021-2026)
 - 2.2.3.3 Global Liquid Silicon Infiltration (LSI) Sale Price by Type (2021-2026)
- 2.3 Liquid Silicon Infiltration (LSI) Segment by Application
 - 2.3.1 Machinery Manufacturing
 - 2.3.2 Metallurgical Industry
 - 2.3.3 Chemical Engineering
 - 2.3.4 Aerospace & Defense
 - 2.3.5 Semiconductor
 - 2.3.6 Automobile
 - 2.3.7 Photovoltaics
 - 2.3.8 Other

2.3.9 Liquid Silicon Infiltration (LSI) Sales by Application

2.3.9.1 Global Liquid Silicon Infiltration (LSI) Sale Market Share by Application (2021-2026)

2.3.9.2 Global Liquid Silicon Infiltration (LSI) Revenue and Market Share by Application (2021-2026)

2.3.9.3 Global Liquid Silicon Infiltration (LSI) Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Liquid Silicon Infiltration (LSI) Breakdown Data by Company

3.1.1 Global Liquid Silicon Infiltration (LSI) Annual Sales by Company (2021-2026)

3.1.2 Global Liquid Silicon Infiltration (LSI) Sales Market Share by Company (2021-2026)

3.2 Global Liquid Silicon Infiltration (LSI) Annual Revenue by Company (2021-2026)

3.2.1 Global Liquid Silicon Infiltration (LSI) Revenue by Company (2021-2026)

3.2.2 Global Liquid Silicon Infiltration (LSI) Revenue Market Share by Company (2021-2026)

3.3 Global Liquid Silicon Infiltration (LSI) Sale Price by Company

3.4 Key Manufacturers Liquid Silicon Infiltration (LSI) Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Liquid Silicon Infiltration (LSI) Product Location Distribution

3.4.2 Players Liquid Silicon Infiltration (LSI) Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR LIQUID SILICON INFILTRATION (LSI) BY GEOGRAPHIC REGION

4.1 World Historic Liquid Silicon Infiltration (LSI) Market Size by Geographic Region (2021-2026)

4.1.1 Global Liquid Silicon Infiltration (LSI) Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Liquid Silicon Infiltration (LSI) Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Liquid Silicon Infiltration (LSI) Market Size by Country/Region (2021-2026)

4.2.1 Global Liquid Silicon Infiltration (LSI) Annual Sales by Country/Region (2021-2026)

4.2.2 Global Liquid Silicon Infiltration (LSI) Annual Revenue by Country/Region (2021-2026)

4.3 Americas Liquid Silicon Infiltration (LSI) Sales Growth

4.4 APAC Liquid Silicon Infiltration (LSI) Sales Growth

4.5 Europe Liquid Silicon Infiltration (LSI) Sales Growth

4.6 Middle East & Africa Liquid Silicon Infiltration (LSI) Sales Growth

5 AMERICAS

5.1 Americas Liquid Silicon Infiltration (LSI) Sales by Country

5.1.1 Americas Liquid Silicon Infiltration (LSI) Sales by Country (2021-2026)

5.1.2 Americas Liquid Silicon Infiltration (LSI) Revenue by Country (2021-2026)

5.2 Americas Liquid Silicon Infiltration (LSI) Sales by Type (2021-2026)

5.3 Americas Liquid Silicon Infiltration (LSI) Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Liquid Silicon Infiltration (LSI) Sales by Region

6.1.1 APAC Liquid Silicon Infiltration (LSI) Sales by Region (2021-2026)

6.1.2 APAC Liquid Silicon Infiltration (LSI) Revenue by Region (2021-2026)

6.2 APAC Liquid Silicon Infiltration (LSI) Sales by Type (2021-2026)

6.3 APAC Liquid Silicon Infiltration (LSI) Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Liquid Silicon Infiltration (LSI) by Country

- 7.1.1 Europe Liquid Silicon Infiltration (LSI) Sales by Country (2021-2026)
- 7.1.2 Europe Liquid Silicon Infiltration (LSI) Revenue by Country (2021-2026)
- 7.2 Europe Liquid Silicon Infiltration (LSI) Sales by Type (2021-2026)
- 7.3 Europe Liquid Silicon Infiltration (LSI) Sales by Application (2021-2026)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Liquid Silicon Infiltration (LSI) by Country
 - 8.1.1 Middle East & Africa Liquid Silicon Infiltration (LSI) Sales by Country (2021-2026)
 - 8.1.2 Middle East & Africa Liquid Silicon Infiltration (LSI) Revenue by Country (2021-2026)
- 8.2 Middle East & Africa Liquid Silicon Infiltration (LSI) Sales by Type (2021-2026)
- 8.3 Middle East & Africa Liquid Silicon Infiltration (LSI) Sales by Application (2021-2026)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Liquid Silicon Infiltration (LSI)
- 10.3 Manufacturing Process Analysis of Liquid Silicon Infiltration (LSI)
- 10.4 Industry Chain Structure of Liquid Silicon Infiltration (LSI)

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Liquid Silicon Infiltration (LSI) Distributors

11.3 Liquid Silicon Infiltration (LSI) Customer

12 WORLD FORECAST REVIEW FOR LIQUID SILICON INFILTRATION (LSI) BY GEOGRAPHIC REGION

12.1 Global Liquid Silicon Infiltration (LSI) Market Size Forecast by Region

12.1.1 Global Liquid Silicon Infiltration (LSI) Forecast by Region (2027-2032)

12.1.2 Global Liquid Silicon Infiltration (LSI) Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Liquid Silicon Infiltration (LSI) Forecast by Type (2027-2032)

12.7 Global Liquid Silicon Infiltration (LSI) Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Saint-Gobain

13.1.1 Saint-Gobain Company Information

13.1.2 Saint-Gobain Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

13.1.3 Saint-Gobain Liquid Silicon Infiltration (LSI) Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Saint-Gobain Main Business Overview

13.1.5 Saint-Gobain Latest Developments

13.2 Kyocera

13.2.1 Kyocera Company Information

13.2.2 Kyocera Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

13.2.3 Kyocera Liquid Silicon Infiltration (LSI) Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Kyocera Main Business Overview

13.2.5 Kyocera Latest Developments

13.3 CoorsTek

13.3.1 CoorsTek Company Information

- 13.3.2 CoorsTek Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications
- 13.3.3 CoorsTek Liquid Silicon Infiltration (LSI) Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.3.4 CoorsTek Main Business Overview
- 13.3.5 CoorsTek Latest Developments
- 13.4 CeramTec
 - 13.4.1 CeramTec Company Information
 - 13.4.2 CeramTec Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications
 - 13.4.3 CeramTec Liquid Silicon Infiltration (LSI) Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.4.4 CeramTec Main Business Overview
 - 13.4.5 CeramTec Latest Developments
- 13.5 3M
 - 13.5.1 3M Company Information
 - 13.5.2 3M Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications
 - 13.5.3 3M Liquid Silicon Infiltration (LSI) Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.5.4 3M Main Business Overview
 - 13.5.5 3M Latest Developments
- 13.6 Morgan Advanced Materials
 - 13.6.1 Morgan Advanced Materials Company Information
 - 13.6.2 Morgan Advanced Materials Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications
 - 13.6.3 Morgan Advanced Materials Liquid Silicon Infiltration (LSI) Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.6.4 Morgan Advanced Materials Main Business Overview
 - 13.6.5 Morgan Advanced Materials Latest Developments
- 13.7 Schunk
 - 13.7.1 Schunk Company Information
 - 13.7.2 Schunk Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications
 - 13.7.3 Schunk Liquid Silicon Infiltration (LSI) Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.7.4 Schunk Main Business Overview
 - 13.7.5 Schunk Latest Developments
- 13.8 IPS Ceramics
 - 13.8.1 IPS Ceramics Company Information
 - 13.8.2 IPS Ceramics Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications
 - 13.8.3 IPS Ceramics Liquid Silicon Infiltration (LSI) Sales, Revenue, Price and Gross

Margin (2021-2026)

13.8.4 IPS Ceramics Main Business Overview

13.8.5 IPS Ceramics Latest Developments

13.9 Ferrotec

13.9.1 Ferrotec Company Information

13.9.2 Ferrotec Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

13.9.3 Ferrotec Liquid Silicon Infiltration (LSI) Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Ferrotec Main Business Overview

13.9.5 Ferrotec Latest Developments

13.10 Japan Fine Ceramics

13.10.1 Japan Fine Ceramics Company Information

13.10.2 Japan Fine Ceramics Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

13.10.3 Japan Fine Ceramics Liquid Silicon Infiltration (LSI) Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 Japan Fine Ceramics Main Business Overview

13.10.5 Japan Fine Ceramics Latest Developments

13.11 ASUZAC

13.11.1 ASUZAC Company Information

13.11.2 ASUZAC Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

13.11.3 ASUZAC Liquid Silicon Infiltration (LSI) Sales, Revenue, Price and Gross Margin (2021-2026)

13.11.4 ASUZAC Main Business Overview

13.11.5 ASUZAC Latest Developments

13.12 Shaanxi UDC

13.12.1 Shaanxi UDC Company Information

13.12.2 Shaanxi UDC Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

13.12.3 Shaanxi UDC Liquid Silicon Infiltration (LSI) Sales, Revenue, Price and Gross Margin (2021-2026)

13.12.4 Shaanxi UDC Main Business Overview

13.12.5 Shaanxi UDC Latest Developments

13.13 Jinhong New Material

13.13.1 Jinhong New Material Company Information

13.13.2 Jinhong New Material Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

13.13.3 Jinhong New Material Liquid Silicon Infiltration (LSI) Sales, Revenue, Price and Gross Margin (2021-2026)

- 13.13.4 Jinhong New Material Main Business Overview
- 13.13.5 Jinhong New Material Latest Developments
- 13.14 Shandong Huamei New Material Technology
 - 13.14.1 Shandong Huamei New Material Technology Company Information
 - 13.14.2 Shandong Huamei New Material Technology Liquid Silicon Infiltration (LSI)
Product Portfolios and Specifications
 - 13.14.3 Shandong Huamei New Material Technology Liquid Silicon Infiltration (LSI)
Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.14.4 Shandong Huamei New Material Technology Main Business Overview
 - 13.14.5 Shandong Huamei New Material Technology Latest Developments
- 13.15 Shantian New Materials
 - 13.15.1 Shantian New Materials Company Information
 - 13.15.2 Shantian New Materials Liquid Silicon Infiltration (LSI) Product Portfolios and
Specifications
 - 13.15.3 Shantian New Materials Liquid Silicon Infiltration (LSI) Sales, Revenue, Price
and Gross Margin (2021-2026)
 - 13.15.4 Shantian New Materials Main Business Overview
 - 13.15.5 Shantian New Materials Latest Developments
- 13.16 Zhejiang Dongxin New Material Technology
 - 13.16.1 Zhejiang Dongxin New Material Technology Company Information
 - 13.16.2 Zhejiang Dongxin New Material Technology Liquid Silicon Infiltration (LSI)
Product Portfolios and Specifications
 - 13.16.3 Zhejiang Dongxin New Material Technology Liquid Silicon Infiltration (LSI)
Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.16.4 Zhejiang Dongxin New Material Technology Main Business Overview
 - 13.16.5 Zhejiang Dongxin New Material Technology Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Liquid Silicon Infiltration (LSI) Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Liquid Silicon Infiltration (LSI) Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Silicon ? 10%

Table 4. Major Players of Silicon ?10%

Table 5. Global Liquid Silicon Infiltration (LSI) Sales by Type (2021-2026) & (Tons)

Table 6. Global Liquid Silicon Infiltration (LSI) Sales Market Share by Type (2021-2026)

Table 7. Global Liquid Silicon Infiltration (LSI) Revenue by Type (2021-2026) & (\$ million)

Table 8. Global Liquid Silicon Infiltration (LSI) Revenue Market Share by Type (2021-2026)

Table 9. Global Liquid Silicon Infiltration (LSI) Sale Price by Type (2021-2026) & (US\$/Ton)

Table 10. Global Liquid Silicon Infiltration (LSI) Sale by Application (2021-2026) & (Tons)

Table 11. Global Liquid Silicon Infiltration (LSI) Sale Market Share by Application (2021-2026)

Table 12. Global Liquid Silicon Infiltration (LSI) Revenue by Application (2021-2026) & (\$ million)

Table 13. Global Liquid Silicon Infiltration (LSI) Revenue Market Share by Application (2021-2026)

Table 14. Global Liquid Silicon Infiltration (LSI) Sale Price by Application (2021-2026) & (US\$/Ton)

Table 15. Global Liquid Silicon Infiltration (LSI) Sales by Company (2021-2026) & (Tons)

Table 16. Global Liquid Silicon Infiltration (LSI) Sales Market Share by Company (2021-2026)

Table 17. Global Liquid Silicon Infiltration (LSI) Revenue by Company (2021-2026) & (\$ millions)

Table 18. Global Liquid Silicon Infiltration (LSI) Revenue Market Share by Company (2021-2026)

Table 19. Global Liquid Silicon Infiltration (LSI) Sale Price by Company (2021-2026) & (US\$/Ton)

Table 20. Key Manufacturers Liquid Silicon Infiltration (LSI) Producing Area Distribution

and Sales Area

Table 21. Players Liquid Silicon Infiltration (LSI) Products Offered

Table 22. Liquid Silicon Infiltration (LSI) Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global Liquid Silicon Infiltration (LSI) Sales by Geographic Region (2021-2026) & (Tons)

Table 26. Global Liquid Silicon Infiltration (LSI) Sales Market Share Geographic Region (2021-2026)

Table 27. Global Liquid Silicon Infiltration (LSI) Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 28. Global Liquid Silicon Infiltration (LSI) Revenue Market Share by Geographic Region (2021-2026)

Table 29. Global Liquid Silicon Infiltration (LSI) Sales by Country/Region (2021-2026) & (Tons)

Table 30. Global Liquid Silicon Infiltration (LSI) Sales Market Share by Country/Region (2021-2026)

Table 31. Global Liquid Silicon Infiltration (LSI) Revenue by Country/Region (2021-2026) & (\$ millions)

Table 32. Global Liquid Silicon Infiltration (LSI) Revenue Market Share by Country/Region (2021-2026)

Table 33. Americas Liquid Silicon Infiltration (LSI) Sales by Country (2021-2026) & (Tons)

Table 34. Americas Liquid Silicon Infiltration (LSI) Sales Market Share by Country (2021-2026)

Table 35. Americas Liquid Silicon Infiltration (LSI) Revenue by Country (2021-2026) & (\$ millions)

Table 36. Americas Liquid Silicon Infiltration (LSI) Sales by Type (2021-2026) & (Tons)

Table 37. Americas Liquid Silicon Infiltration (LSI) Sales by Application (2021-2026) & (Tons)

Table 38. APAC Liquid Silicon Infiltration (LSI) Sales by Region (2021-2026) & (Tons)

Table 39. APAC Liquid Silicon Infiltration (LSI) Sales Market Share by Region (2021-2026)

Table 40. APAC Liquid Silicon Infiltration (LSI) Revenue by Region (2021-2026) & (\$ millions)

Table 41. APAC Liquid Silicon Infiltration (LSI) Sales by Type (2021-2026) & (Tons)

Table 42. APAC Liquid Silicon Infiltration (LSI) Sales by Application (2021-2026) & (Tons)

Table 43. Europe Liquid Silicon Infiltration (LSI) Sales by Country (2021-2026) & (Tons)
Table 44. Europe Liquid Silicon Infiltration (LSI) Revenue by Country (2021-2026) & (\$ millions)
Table 45. Europe Liquid Silicon Infiltration (LSI) Sales by Type (2021-2026) & (Tons)
Table 46. Europe Liquid Silicon Infiltration (LSI) Sales by Application (2021-2026) & (Tons)
Table 47. Middle East & Africa Liquid Silicon Infiltration (LSI) Sales by Country (2021-2026) & (Tons)
Table 48. Middle East & Africa Liquid Silicon Infiltration (LSI) Revenue Market Share by Country (2021-2026)
Table 49. Middle East & Africa Liquid Silicon Infiltration (LSI) Sales by Type (2021-2026) & (Tons)
Table 50. Middle East & Africa Liquid Silicon Infiltration (LSI) Sales by Application (2021-2026) & (Tons)
Table 51. Key Market Drivers & Growth Opportunities of Liquid Silicon Infiltration (LSI)
Table 52. Key Market Challenges & Risks of Liquid Silicon Infiltration (LSI)
Table 53. Key Industry Trends of Liquid Silicon Infiltration (LSI)
Table 54. Liquid Silicon Infiltration (LSI) Raw Material
Table 55. Key Suppliers of Raw Materials
Table 56. Liquid Silicon Infiltration (LSI) Distributors List
Table 57. Liquid Silicon Infiltration (LSI) Customer List
Table 58. Global Liquid Silicon Infiltration (LSI) Sales Forecast by Region (2027-2032) & (Tons)
Table 59. Global Liquid Silicon Infiltration (LSI) Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 60. Americas Liquid Silicon Infiltration (LSI) Sales Forecast by Country (2027-2032) & (Tons)
Table 61. Americas Liquid Silicon Infiltration (LSI) Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 62. APAC Liquid Silicon Infiltration (LSI) Sales Forecast by Region (2027-2032) & (Tons)
Table 63. APAC Liquid Silicon Infiltration (LSI) Annual Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 64. Europe Liquid Silicon Infiltration (LSI) Sales Forecast by Country (2027-2032) & (Tons)
Table 65. Europe Liquid Silicon Infiltration (LSI) Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 66. Middle East & Africa Liquid Silicon Infiltration (LSI) Sales Forecast by Country (2027-2032) & (Tons)

Table 67. Middle East & Africa Liquid Silicon Infiltration (LSI) Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 68. Global Liquid Silicon Infiltration (LSI) Sales Forecast by Type (2027-2032) & (Tons)

Table 69. Global Liquid Silicon Infiltration (LSI) Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 70. Global Liquid Silicon Infiltration (LSI) Sales Forecast by Application (2027-2032) & (Tons)

Table 71. Global Liquid Silicon Infiltration (LSI) Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 72. Saint-Gobain Basic Information, Liquid Silicon Infiltration (LSI) Manufacturing Base, Sales Area and Its Competitors

Table 73. Saint-Gobain Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

Table 74. Saint-Gobain Liquid Silicon Infiltration (LSI) Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 75. Saint-Gobain Main Business

Table 76. Saint-Gobain Latest Developments

Table 77. Kyocera Basic Information, Liquid Silicon Infiltration (LSI) Manufacturing Base, Sales Area and Its Competitors

Table 78. Kyocera Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

Table 79. Kyocera Liquid Silicon Infiltration (LSI) Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 80. Kyocera Main Business

Table 81. Kyocera Latest Developments

Table 82. CoorsTek Basic Information, Liquid Silicon Infiltration (LSI) Manufacturing Base, Sales Area and Its Competitors

Table 83. CoorsTek Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

Table 84. CoorsTek Liquid Silicon Infiltration (LSI) Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 85. CoorsTek Main Business

Table 86. CoorsTek Latest Developments

Table 87. CeramTec Basic Information, Liquid Silicon Infiltration (LSI) Manufacturing Base, Sales Area and Its Competitors

Table 88. CeramTec Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

Table 89. CeramTec Liquid Silicon Infiltration (LSI) Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 90. CeramTec Main Business

Table 91. CeramTec Latest Developments

Table 92. 3M Basic Information, Liquid Silicon Infiltration (LSI) Manufacturing Base, Sales Area and Its Competitors

Table 93. 3M Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

Table 94. 3M Liquid Silicon Infiltration (LSI) Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 95. 3M Main Business

Table 96. 3M Latest Developments

Table 97. Morgan Advanced Materials Basic Information, Liquid Silicon Infiltration (LSI) Manufacturing Base, Sales Area and Its Competitors

Table 98. Morgan Advanced Materials Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

Table 99. Morgan Advanced Materials Liquid Silicon Infiltration (LSI) Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 100. Morgan Advanced Materials Main Business

Table 101. Morgan Advanced Materials Latest Developments

Table 102. Schunk Basic Information, Liquid Silicon Infiltration (LSI) Manufacturing Base, Sales Area and Its Competitors

Table 103. Schunk Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

Table 104. Schunk Liquid Silicon Infiltration (LSI) Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 105. Schunk Main Business

Table 106. Schunk Latest Developments

Table 107. IPS Ceramics Basic Information, Liquid Silicon Infiltration (LSI) Manufacturing Base, Sales Area and Its Competitors

Table 108. IPS Ceramics Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

Table 109. IPS Ceramics Liquid Silicon Infiltration (LSI) Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 110. IPS Ceramics Main Business

Table 111. IPS Ceramics Latest Developments

Table 112. Ferrotec Basic Information, Liquid Silicon Infiltration (LSI) Manufacturing Base, Sales Area and Its Competitors

Table 113. Ferrotec Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

Table 114. Ferrotec Liquid Silicon Infiltration (LSI) Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 115. Ferrotec Main Business

Table 116. Ferrotec Latest Developments

Table 117. Japan Fine Ceramics Basic Information, Liquid Silicon Infiltration (LSI) Manufacturing Base, Sales Area and Its Competitors

Table 118. Japan Fine Ceramics Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

Table 119. Japan Fine Ceramics Liquid Silicon Infiltration (LSI) Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 120. Japan Fine Ceramics Main Business

Table 121. Japan Fine Ceramics Latest Developments

Table 122. ASUZAC Basic Information, Liquid Silicon Infiltration (LSI) Manufacturing Base, Sales Area and Its Competitors

Table 123. ASUZAC Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

Table 124. ASUZAC Liquid Silicon Infiltration (LSI) Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 125. ASUZAC Main Business

Table 126. ASUZAC Latest Developments

Table 127. Shaanxi UDC Basic Information, Liquid Silicon Infiltration (LSI) Manufacturing Base, Sales Area and Its Competitors

Table 128. Shaanxi UDC Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

Table 129. Shaanxi UDC Liquid Silicon Infiltration (LSI) Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 130. Shaanxi UDC Main Business

Table 131. Shaanxi UDC Latest Developments

Table 132. Jinhong New Material Basic Information, Liquid Silicon Infiltration (LSI) Manufacturing Base, Sales Area and Its Competitors

Table 133. Jinhong New Material Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

Table 134. Jinhong New Material Liquid Silicon Infiltration (LSI) Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 135. Jinhong New Material Main Business

Table 136. Jinhong New Material Latest Developments

Table 137. Shandong Huamei New Material Technology Basic Information, Liquid Silicon Infiltration (LSI) Manufacturing Base, Sales Area and Its Competitors

Table 138. Shandong Huamei New Material Technology Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

Table 139. Shandong Huamei New Material Technology Liquid Silicon Infiltration (LSI) Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 140. Shandong Huamei New Material Technology Main Business

Table 141. Shandong Huamei New Material Technology Latest Developments

Table 142. Shantian New Materials Basic Information, Liquid Silicon Infiltration (LSI) Manufacturing Base, Sales Area and Its Competitors

Table 143. Shantian New Materials Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

Table 144. Shantian New Materials Liquid Silicon Infiltration (LSI) Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 145. Shantian New Materials Main Business

Table 146. Shantian New Materials Latest Developments

Table 147. Zhejiang Dongxin New Material Technology Basic Information, Liquid Silicon Infiltration (LSI) Manufacturing Base, Sales Area and Its Competitors

Table 148. Zhejiang Dongxin New Material Technology Liquid Silicon Infiltration (LSI) Product Portfolios and Specifications

Table 149. Zhejiang Dongxin New Material Technology Liquid Silicon Infiltration (LSI) Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 150. Zhejiang Dongxin New Material Technology Main Business

Table 151. Zhejiang Dongxin New Material Technology Latest Developments

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Liquid Silicon Infiltration (LSI)

Figure 2. Liquid Silicon Infiltration (LSI) Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Liquid Silicon Infiltration (LSI) Sales Growth Rate 2021-2032 (Tons)

Figure 7. Global Liquid Silicon Infiltration (LSI) Revenue Growth Rate 2021-2032 (\$ millions)

Figure 8. Liquid Silicon Infiltration (LSI) Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Figure 9. Liquid Silicon Infiltration (LSI) Sales Market Share by Country/Region (2025)

Figure 10. Liquid Silicon Infiltration (LSI) Sales Market Share by Country/Region (2021, 2025 & 2032)

Figure 11. Product Picture of Silicon ? 10%

Figure 12. Product Picture of Silicon ?10%

Figure 13. Global Liquid Silicon Infiltration (LSI) Sales Market Share by Type in 2026

Figure 14. Global Liquid Silicon Infiltration (LSI) Revenue Market Share by Type (2021-2026)

Figure 15. Liquid Silicon Infiltration (LSI) Consumed in Machinery Manufacturing

Figure 16. Global Liquid Silicon Infiltration (LSI) Market: Machinery Manufacturing (2021-2026) & (Tons)

Figure 17. Liquid Silicon Infiltration (LSI) Consumed in Metallurgical Industry

Figure 18. Global Liquid Silicon Infiltration (LSI) Market: Metallurgical Industry (2021-2026) & (Tons)

Figure 19. Liquid Silicon Infiltration (LSI) Consumed in Chemical Engineering

Figure 20. Global Liquid Silicon Infiltration (LSI) Market: Chemical Engineering (2021-2026) & (Tons)

Figure 21. Liquid Silicon Infiltration (LSI) Consumed in Aerospace & Defense

Figure 22. Global Liquid Silicon Infiltration (LSI) Market: Aerospace & Defense (2021-2026) & (Tons)

Figure 23. Liquid Silicon Infiltration (LSI) Consumed in Semiconductor

Figure 24. Global Liquid Silicon Infiltration (LSI) Market: Semiconductor (2021-2026) & (Tons)

Figure 25. Liquid Silicon Infiltration (LSI) Consumed in Automobile

Figure 26. Global Liquid Silicon Infiltration (LSI) Market: Automobile (2021-2026) &

(Tons)

Figure 27. Liquid Silicon Infiltration (LSI) Consumed in Photovoltaics

Figure 28. Global Liquid Silicon Infiltration (LSI) Market: Photovoltaics (2021-2026) & (Tons)

Figure 29. Liquid Silicon Infiltration (LSI) Consumed in Other

Figure 30. Global Liquid Silicon Infiltration (LSI) Market: Other (2021-2026) & (Tons)

Figure 31. Global Liquid Silicon Infiltration (LSI) Sales Market Share by Application (2025)

Figure 32. Global Liquid Silicon Infiltration (LSI) Revenue Market Share by Application in 2026

Figure 33. Liquid Silicon Infiltration (LSI) Sales by Company in 2026 (Tons)

Figure 34. Global Liquid Silicon Infiltration (LSI) Sales Market Share by Company in 2026

Figure 35. Liquid Silicon Infiltration (LSI) Revenue by Company in 2026 (\$ millions)

Figure 36. Global Liquid Silicon Infiltration (LSI) Revenue Market Share by Company in 2026

Figure 37. Global Liquid Silicon Infiltration (LSI) Sales Market Share by Geographic Region (2021-2026)

Figure 38. Global Liquid Silicon Infiltration (LSI) Revenue Market Share by Geographic Region in 2026

Figure 39. Americas Liquid Silicon Infiltration (LSI) Sales 2021-2026 (Tons)

Figure 40. Americas Liquid Silicon Infiltration (LSI) Revenue 2021-2026 (\$ millions)

Figure 41. APAC Liquid Silicon Infiltration (LSI) Sales 2021-2026 (Tons)

Figure 42. APAC Liquid Silicon Infiltration (LSI) Revenue 2021-2026 (\$ millions)

Figure 43. Europe Liquid Silicon Infiltration (LSI) Sales 2021-2026 (Tons)

Figure 44. Europe Liquid Silicon Infiltration (LSI) Revenue 2021-2026 (\$ millions)

Figure 45. Middle East & Africa Liquid Silicon Infiltration (LSI) Sales 2021-2026 (Tons)

Figure 46. Middle East & Africa Liquid Silicon Infiltration (LSI) Revenue 2021-2026 (\$ millions)

Figure 47. Americas Liquid Silicon Infiltration (LSI) Sales Market Share by Country in 2026

Figure 48. Americas Liquid Silicon Infiltration (LSI) Revenue Market Share by Country (2021-2026)

Figure 49. Americas Liquid Silicon Infiltration (LSI) Sales Market Share by Type (2021-2026)

Figure 50. Americas Liquid Silicon Infiltration (LSI) Sales Market Share by Application (2021-2026)

Figure 51. United States Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 52. Canada Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 53. Mexico Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 54. Brazil Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 55. APAC Liquid Silicon Infiltration (LSI) Sales Market Share by Region in 2026

Figure 56. APAC Liquid Silicon Infiltration (LSI) Revenue Market Share by Region (2021-2026)

Figure 57. APAC Liquid Silicon Infiltration (LSI) Sales Market Share by Type (2021-2026)

Figure 58. APAC Liquid Silicon Infiltration (LSI) Sales Market Share by Application (2021-2026)

Figure 59. China Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 60. Japan Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 61. South Korea Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 62. Southeast Asia Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 63. India Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 64. Australia Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 65. China Taiwan Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 66. Europe Liquid Silicon Infiltration (LSI) Sales Market Share by Country in 2026

Figure 67. Europe Liquid Silicon Infiltration (LSI) Revenue Market Share by Country (2021-2026)

Figure 68. Europe Liquid Silicon Infiltration (LSI) Sales Market Share by Type (2021-2026)

Figure 69. Europe Liquid Silicon Infiltration (LSI) Sales Market Share by Application (2021-2026)

Figure 70. Germany Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 71. France Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 72. UK Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 73. Italy Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 74. Russia Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 75. Middle East & Africa Liquid Silicon Infiltration (LSI) Sales Market Share by

Country (2021-2026)

Figure 76. Middle East & Africa Liquid Silicon Infiltration (LSI) Sales Market Share by Type (2021-2026)

Figure 77. Middle East & Africa Liquid Silicon Infiltration (LSI) Sales Market Share by Application (2021-2026)

Figure 78. Egypt Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 79. South Africa Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 80. Israel Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 81. Turkey Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 82. GCC Countries Liquid Silicon Infiltration (LSI) Revenue Growth 2021-2026 (\$ millions)

Figure 83. Manufacturing Cost Structure Analysis of Liquid Silicon Infiltration (LSI) in 2026

Figure 84. Manufacturing Process Analysis of Liquid Silicon Infiltration (LSI)

Figure 85. Industry Chain Structure of Liquid Silicon Infiltration (LSI)

Figure 86. Channels of Distribution

Figure 87. Global Liquid Silicon Infiltration (LSI) Sales Market Forecast by Region (2027-2032)

Figure 88. Global Liquid Silicon Infiltration (LSI) Revenue Market Share Forecast by Region (2027-2032)

Figure 89. Global Liquid Silicon Infiltration (LSI) Sales Market Share Forecast by Type (2027-2032)

Figure 90. Global Liquid Silicon Infiltration (LSI) Revenue Market Share Forecast by Type (2027-2032)

Figure 91. Global Liquid Silicon Infiltration (LSI) Sales Market Share Forecast by Application (2027-2032)

Figure 92. Global Liquid Silicon Infiltration (LSI) Revenue Market Share Forecast by Application (2027-2032)

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