

# Global Shallow Trench Isolation (STI) Slurries Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GA1FC46E203FEN.html>

Date: January 2026

Pages: 122

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

ID: GA1FC46E203FEN

## Abstracts

The global Shallow Trench Isolation (STI) Slurries market size is expected to reach \$ 633 million by 2032, rising at a market growth of 6.3% CAGR during the forecast period (2026-2032).

Shallow Trench Isolation (STI) CMP slurry is the consumable used to planarize the oxide trench-fill stack after STI gap-fill, where the process relies on the combined action of abrasive particles (mechanical removal) and slurry chemistry (etching/dissolution/passivation) under pad pressure and relative motion. In practice, STI CMP slurries are engineered to deliver strong planarization while maintaining a robust "stop-on-film" behavior (commonly stopping on SiN hard mask/stop layer) to minimize nitride loss, trench dishing, and erosion. From a product perspective, two mainstream families dominate: (1) ceria (CeO<sub>2</sub>) abrasive, high-selectivity oxide slurries formulated with chemical additives to achieve stop-on-film capability and improved topography control; and (2) high-purity silica (colloidal/fumed SiO<sub>2</sub>) oxide slurries emphasizing purity, dispersion stability, and low-scratch performance, often shared across STI/ILD dielectric CMP platforms. Process-wise, fabs commonly deploy a multi-step flow (P1 bulk oxide removal + P2 selective/stop step, optionally followed by a buff/finish) to balance throughput, endpoint robustness, and defect control.

In terms of applications, STI CMP slurry is a core FEOL dielectric consumable spanning logic, memory (DRAM/NAND/3D NAND peripheral CMOS), and sensor/MEMS-related manufacturing, with the primary use cases concentrated in STI and closely related ILD oxide planarization steps. Public product disclosures from leading suppliers explicitly position their offerings around "STI/ILD" and "P1/P2" use: Merck describes its Advanced Oxide CMP slurries as a highly selective oxide slurry family with stop-on-film capability, designed with ceria abrasives and additive formulation technology, emphasizing HVM quality consistency and a strong global supply position for ILD and STI across both P1 and P2 steps. AGC similarly highlights "Ceria slurry for STI/ILD

applications (CES-300/330F series)? and stresses step flattening, material selectivity, uniformity, and lower defect frequency, while also supporting both one-liquid and two-liquid supply modes. On the silica side, Fujimi's PLANERLITE-4000 series is publicly described as a polishing slurry for SiO<sub>2</sub> films (ILD, STI), built around ultra-high purity colloidal/fumed silica with multiple grades, reflecting the long-standing platform role of silica-based dielectric slurries. Meanwhile, Resonac publicly markets nano-ceria ?ultra-low defect? slurries that selectively remove SiO<sub>2</sub> over stopper films and are positioned as useful for STI, underscoring the mainstream role of high-selectivity ceria for STI stop requirements.

Looking forward, STI CMP slurry innovation is trending toward higher selectivity, lower defectivity, wider process windows, and lower cost of ownership (COO). This includes tighter control of particle size distributions and large-particle counts, and additive/abrasive surface chemistry engineering to reduce scratches and particle-related defects while improving dishing/topography performance; CMP user-group materials explicitly link ceria particle size to defect count and illustrate auto-stop and high SiN selectivity concepts. In addition, as technology nodes advanced (e.g., 45 nm/32 nm and beyond) and high-aspect-ratio gap-fill oxides (e.g., HARP-related) became more critical, published technical discussions note that silica slurries can be less effective on certain oxides and that process-of-record flows increasingly leverage high-selectivity ceria, with ongoing exploration of one-component slurries (covering multiple steps) and/or competition with fixed abrasive pad approaches to rebalance defectivity, dishing, and COO. Finally, delivery/operations trends?such as point-of-use (POU) tunable dilution and one-liquid/two-liquid supply options?are being emphasized to improve on-fab controllability and logistics cost efficiency. The primary growth drivers remain continued scaling and tighter isolation topography/stop requirements, shrinking defect tolerance and yield pressure, and the persistent demand for stable HVM supply and overall COO optimization in leading-edge and high-volume fabs.

This report studies the global Shallow Trench Isolation (STI) Slurries production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Shallow Trench Isolation (STI) Slurries 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 Shallow Trench Isolation (STI) Slurries that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Shallow Trench Isolation (STI) Slurries total production and demand, 2021-2032, (Tons)

Global Shallow Trench Isolation (STI) Slurries total production value, 2021-2032, (USD Million)

Global Shallow Trench Isolation (STI) Slurries production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Shallow Trench Isolation (STI) Slurries consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Shallow Trench Isolation (STI) Slurries domestic production, consumption, key domestic manufacturers and share

Global Shallow Trench Isolation (STI) Slurries production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Shallow Trench Isolation (STI) Slurries production by Abrasive Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Shallow Trench Isolation (STI) Slurries production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Shallow Trench Isolation (STI) Slurries 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 Resonac, Merck KGaA, AGC, Fujimi Corporation, FujiFilm, KC Tech, Soulbrain, Anjimirco Shanghai, Dongjin Semichem, Samsung SDI, 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 Shallow Trench Isolation (STI) Slurries market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Kg) by manufacturer, by Abrasive 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 Shallow Trench Isolation (STI) Slurries Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Shallow Trench Isolation (STI) Slurries Market, Segmentation by Abrasive Type:

CeO<sub>2</sub> (Ceria) Slurry

Colloidal Silica Slurry

Global Shallow Trench Isolation (STI) Slurries Market, Segmentation by Process Node:

High End / Advanced 110nm

Global Shallow Trench Isolation (STI) Slurries Market, Segmentation by Application:

Logic IC

Memory Chips

Others

**Companies Profiled:**

Resonac

Merck KGaA

AGC

Fujimi Corporation

FujiFilm

KC Tech

Soulbrain

Anjimirco Shanghai

Dongjin Semichem

Samsung SDI

Saint-Gobain

Vibrantz (Ferro)

ACE NANOCEM

**Key Questions Answered:**

1. How big is the global Shallow Trench Isolation (STI) Slurries market?
2. What is the demand of the global Shallow Trench Isolation (STI) Slurries market?
3. What is the year over year growth of the global Shallow Trench Isolation (STI) Slurries market?
4. What is the production and production value of the global Shallow Trench Isolation (STI) Slurries market?
5. Who are the key producers in the global Shallow Trench Isolation (STI) Slurries market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

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

### 2 DEMAND SUMMARY

- 2.1 World Shallow Trench Isolation (STI) Slurries Demand (2021-2032)
- 2.2 World Shallow Trench Isolation (STI) Slurries Consumption by Region
  - 2.2.1 World Shallow Trench Isolation (STI) Slurries Consumption by Region (2021-2026)
  - 2.2.2 World Shallow Trench Isolation (STI) Slurries Consumption Forecast by Region (2027-2032)
- 2.3 United States Shallow Trench Isolation (STI) Slurries Consumption (2021-2032)
- 2.4 China Shallow Trench Isolation (STI) Slurries Consumption (2021-2032)
- 2.5 Europe Shallow Trench Isolation (STI) Slurries Consumption (2021-2032)
- 2.6 Japan Shallow Trench Isolation (STI) Slurries Consumption (2021-2032)
- 2.7 South Korea Shallow Trench Isolation (STI) Slurries Consumption (2021-2032)

- 2.8 ASEAN Shallow Trench Isolation (STI) Slurries Consumption (2021-2032)
- 2.9 India Shallow Trench Isolation (STI) Slurries Consumption (2021-2032)

### **3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS**

- 3.1 World Shallow Trench Isolation (STI) Slurries Production Value by Manufacturer (2021-2026)
- 3.2 World Shallow Trench Isolation (STI) Slurries Production by Manufacturer (2021-2026)
- 3.3 World Shallow Trench Isolation (STI) Slurries Average Price by Manufacturer (2021-2026)
- 3.4 Shallow Trench Isolation (STI) Slurries Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global Shallow Trench Isolation (STI) Slurries Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for Shallow Trench Isolation (STI) Slurries in 2025
  - 3.5.3 Global Concentration Ratios (CR8) for Shallow Trench Isolation (STI) Slurries in 2025
- 3.6 Shallow Trench Isolation (STI) Slurries Market: Overall Company Footprint Analysis
  - 3.6.1 Shallow Trench Isolation (STI) Slurries Market: Region Footprint
  - 3.6.2 Shallow Trench Isolation (STI) Slurries Market: Company Product Type Footprint
  - 3.6.3 Shallow Trench Isolation (STI) Slurries 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: Shallow Trench Isolation (STI) Slurries Production Value Comparison
  - 4.1.1 United States VS China: Shallow Trench Isolation (STI) Slurries Production Value Comparison (2021 & 2025 & 2032)
  - 4.1.2 United States VS China: Shallow Trench Isolation (STI) Slurries Production Value Market Share Comparison (2021 & 2025 & 2032)

## 4.2 United States VS China: Shallow Trench Isolation (STI) Slurries Production Comparison

4.2.1 United States VS China: Shallow Trench Isolation (STI) Slurries Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Shallow Trench Isolation (STI) Slurries Production Market Share Comparison (2021 & 2025 & 2032)

## 4.3 United States VS China: Shallow Trench Isolation (STI) Slurries Consumption Comparison

4.3.1 United States VS China: Shallow Trench Isolation (STI) Slurries Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Shallow Trench Isolation (STI) Slurries Consumption Market Share Comparison (2021 & 2025 & 2032)

## 4.4 United States Based Shallow Trench Isolation (STI) Slurries Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Shallow Trench Isolation (STI) Slurries Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Shallow Trench Isolation (STI) Slurries Production Value (2021-2026)

4.4.3 United States Based Manufacturers Shallow Trench Isolation (STI) Slurries Production (2021-2026)

## 4.5 China Based Shallow Trench Isolation (STI) Slurries Manufacturers and Market Share

4.5.1 China Based Shallow Trench Isolation (STI) Slurries Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Shallow Trench Isolation (STI) Slurries Production Value (2021-2026)

4.5.3 China Based Manufacturers Shallow Trench Isolation (STI) Slurries Production (2021-2026)

## 4.6 Rest of World Based Shallow Trench Isolation (STI) Slurries Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Shallow Trench Isolation (STI) Slurries Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Shallow Trench Isolation (STI) Slurries Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Shallow Trench Isolation (STI) Slurries Production (2021-2026)

## **5 MARKET ANALYSIS BY ABRASIVE TYPE**

5.1 World Shallow Trench Isolation (STI) Slurries Market Size Overview by Abrasive Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Abrasive Type

5.2.1 CeO<sub>2</sub> (Ceria) Slurry

5.2.2 Colloidal Silica Slurry

5.3 Market Segment by Abrasive Type

5.3.1 World Shallow Trench Isolation (STI) Slurries Production by Abrasive Type (2021-2032)

5.3.2 World Shallow Trench Isolation (STI) Slurries Production Value by Abrasive Type (2021-2032)

5.3.3 World Shallow Trench Isolation (STI) Slurries Average Price by Abrasive Type (2021-2032)

## **6 MARKET ANALYSIS BY PROCESS NODE**

6.1 World Shallow Trench Isolation (STI) Slurries Market Size Overview by Process Node: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Process Node

6.2.1 High End / Advanced 110nm

6.3 Market Segment by Process Node

6.3.1 World Shallow Trench Isolation (STI) Slurries Production by Process Node (2021-2032)

6.3.2 World Shallow Trench Isolation (STI) Slurries Production Value by Process Node (2021-2032)

6.3.3 World Shallow Trench Isolation (STI) Slurries Average Price by Process Node (2021-2032)

## **7 MARKET ANALYSIS BY APPLICATION**

7.1 World Shallow Trench Isolation (STI) Slurries Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

7.2.1 Logic IC

7.2.2 Memory Chips

7.2.3 Others

7.3 Market Segment by Application

7.3.1 World Shallow Trench Isolation (STI) Slurries Production by Application (2021-2032)

7.3.2 World Shallow Trench Isolation (STI) Slurries Production Value by Application

(2021-2032)

7.3.3 World Shallow Trench Isolation (STI) Slurries Average Price by Application

(2021-2032)

## **8 COMPANY PROFILES**

### **8.1 Resonac**

8.1.1 Resonac Details

8.1.2 Resonac Major Business

8.1.3 Resonac Shallow Trench Isolation (STI) Slurries Product and Services

8.1.4 Resonac Shallow Trench Isolation (STI) Slurries Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.1.5 Resonac Recent Developments/Updates

8.1.6 Resonac Competitive Strengths & Weaknesses

### **8.2 Merck KGaA**

8.2.1 Merck KGaA Details

8.2.2 Merck KGaA Major Business

8.2.3 Merck KGaA Shallow Trench Isolation (STI) Slurries Product and Services

8.2.4 Merck KGaA Shallow Trench Isolation (STI) Slurries Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.2.5 Merck KGaA Recent Developments/Updates

8.2.6 Merck KGaA Competitive Strengths & Weaknesses

### **8.3 AGC**

8.3.1 AGC Details

8.3.2 AGC Major Business

8.3.3 AGC Shallow Trench Isolation (STI) Slurries Product and Services

8.3.4 AGC Shallow Trench Isolation (STI) Slurries Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.3.5 AGC Recent Developments/Updates

8.3.6 AGC Competitive Strengths & Weaknesses

### **8.4 Fujimi Corporation**

8.4.1 Fujimi Corporation Details

8.4.2 Fujimi Corporation Major Business

8.4.3 Fujimi Corporation Shallow Trench Isolation (STI) Slurries Product and Services

8.4.4 Fujimi Corporation Shallow Trench Isolation (STI) Slurries Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.4.5 Fujimi Corporation Recent Developments/Updates

8.4.6 Fujimi Corporation Competitive Strengths & Weaknesses

### **8.5 FujiFilm**

- 8.5.1 FujiFilm Details
- 8.5.2 FujiFilm Major Business
- 8.5.3 FujiFilm Shallow Trench Isolation (STI) Slurries Product and Services
- 8.5.4 FujiFilm Shallow Trench Isolation (STI) Slurries Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.5.5 FujiFilm Recent Developments/Updates
- 8.5.6 FujiFilm Competitive Strengths & Weaknesses
- 8.6 KC Tech
  - 8.6.1 KC Tech Details
  - 8.6.2 KC Tech Major Business
  - 8.6.3 KC Tech Shallow Trench Isolation (STI) Slurries Product and Services
  - 8.6.4 KC Tech Shallow Trench Isolation (STI) Slurries Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.6.5 KC Tech Recent Developments/Updates
  - 8.6.6 KC Tech Competitive Strengths & Weaknesses
- 8.7 Soulbrain
  - 8.7.1 Soulbrain Details
  - 8.7.2 Soulbrain Major Business
  - 8.7.3 Soulbrain Shallow Trench Isolation (STI) Slurries Product and Services
  - 8.7.4 Soulbrain Shallow Trench Isolation (STI) Slurries Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.7.5 Soulbrain Recent Developments/Updates
  - 8.7.6 Soulbrain Competitive Strengths & Weaknesses
- 8.8 Anjimirco Shanghai
  - 8.8.1 Anjimirco Shanghai Details
  - 8.8.2 Anjimirco Shanghai Major Business
  - 8.8.3 Anjimirco Shanghai Shallow Trench Isolation (STI) Slurries Product and Services
  - 8.8.4 Anjimirco Shanghai Shallow Trench Isolation (STI) Slurries Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.8.5 Anjimirco Shanghai Recent Developments/Updates
  - 8.8.6 Anjimirco Shanghai Competitive Strengths & Weaknesses
- 8.9 Dongjin Semichem
  - 8.9.1 Dongjin Semichem Details
  - 8.9.2 Dongjin Semichem Major Business
  - 8.9.3 Dongjin Semichem Shallow Trench Isolation (STI) Slurries Product and Services
  - 8.9.4 Dongjin Semichem Shallow Trench Isolation (STI) Slurries Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.9.5 Dongjin Semichem Recent Developments/Updates
  - 8.9.6 Dongjin Semichem Competitive Strengths & Weaknesses

## 8.10 Samsung SDI

### 8.10.1 Samsung SDI Details

### 8.10.2 Samsung SDI Major Business

### 8.10.3 Samsung SDI Shallow Trench Isolation (STI) Slurries Product and Services

### 8.10.4 Samsung SDI Shallow Trench Isolation (STI) Slurries Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 8.10.5 Samsung SDI Recent Developments/Updates

### 8.10.6 Samsung SDI Competitive Strengths & Weaknesses

## 8.11 Saint-Gobain

### 8.11.1 Saint-Gobain Details

### 8.11.2 Saint-Gobain Major Business

### 8.11.3 Saint-Gobain Shallow Trench Isolation (STI) Slurries Product and Services

### 8.11.4 Saint-Gobain Shallow Trench Isolation (STI) Slurries Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 8.11.5 Saint-Gobain Recent Developments/Updates

### 8.11.6 Saint-Gobain Competitive Strengths & Weaknesses

## 8.12 Vibrantz (Ferro)

### 8.12.1 Vibrantz (Ferro) Details

### 8.12.2 Vibrantz (Ferro) Major Business

### 8.12.3 Vibrantz (Ferro) Shallow Trench Isolation (STI) Slurries Product and Services

### 8.12.4 Vibrantz (Ferro) Shallow Trench Isolation (STI) Slurries Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 8.12.5 Vibrantz (Ferro) Recent Developments/Updates

### 8.12.6 Vibrantz (Ferro) Competitive Strengths & Weaknesses

## 8.13 ACE NANO CHEM

### 8.13.1 ACE NANO CHEM Details

### 8.13.2 ACE NANO CHEM Major Business

### 8.13.3 ACE NANO CHEM Shallow Trench Isolation (STI) Slurries Product and Services

### 8.13.4 ACE NANO CHEM Shallow Trench Isolation (STI) Slurries Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 8.13.5 ACE NANO CHEM Recent Developments/Updates

### 8.13.6 ACE NANO CHEM Competitive Strengths & Weaknesses

## 9 INDUSTRY CHAIN ANALYSIS

### 9.1 Shallow Trench Isolation (STI) Slurries Industry Chain

### 9.2 Shallow Trench Isolation (STI) Slurries Upstream Analysis

#### 9.2.1 Shallow Trench Isolation (STI) Slurries Core Raw Materials

#### 9.2.2 Main Manufacturers of Shallow Trench Isolation (STI) Slurries Core Raw

## Materials

### 9.3 Midstream Analysis

### 9.4 Downstream Analysis

### 9.5 Shallow Trench Isolation (STI) Slurries Production Mode

### 9.6 Shallow Trench Isolation (STI) Slurries Procurement Model

### 9.7 Shallow Trench Isolation (STI) Slurries Industry Sales Model and Sales Channels

#### 9.7.1 Shallow Trench Isolation (STI) Slurries Sales Model

#### 9.7.2 Shallow Trench Isolation (STI) Slurries Typical Distributors

## **10 RESEARCH FINDINGS AND CONCLUSION**

## **11 APPENDIX**

### 11.1 Methodology

### 11.2 Research Process and Data Source

### 11.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Shallow Trench Isolation (STI) Slurries Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Shallow Trench Isolation (STI) Slurries Production Value by Region (2021-2026) & (USD Million)

Table 3. World Shallow Trench Isolation (STI) Slurries Production Value by Region (2027-2032) & (USD Million)

Table 4. World Shallow Trench Isolation (STI) Slurries Production Value Market Share by Region (2021-2026)

Table 5. World Shallow Trench Isolation (STI) Slurries Production Value Market Share by Region (2027-2032)

Table 6. World Shallow Trench Isolation (STI) Slurries Production by Region (2021-2026) & (Tons)

Table 7. World Shallow Trench Isolation (STI) Slurries Production by Region (2027-2032) & (Tons)

Table 8. World Shallow Trench Isolation (STI) Slurries Production Market Share by Region (2021-2026)

Table 9. World Shallow Trench Isolation (STI) Slurries Production Market Share by Region (2027-2032)

Table 10. World Shallow Trench Isolation (STI) Slurries Average Price by Region (2021-2026) & (US\$/Kg)

Table 11. World Shallow Trench Isolation (STI) Slurries Average Price by Region (2027-2032) & (US\$/Kg)

Table 12. Shallow Trench Isolation (STI) Slurries Major Market Trends

Table 13. World Shallow Trench Isolation (STI) Slurries Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World Shallow Trench Isolation (STI) Slurries Consumption by Region (2021-2026) & (Tons)

Table 15. World Shallow Trench Isolation (STI) Slurries Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World Shallow Trench Isolation (STI) Slurries Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Shallow Trench Isolation (STI) Slurries Producers in 2025

Table 18. World Shallow Trench Isolation (STI) Slurries Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key Shallow Trench Isolation (STI) Slurries Producers in 2025

Table 20. World Shallow Trench Isolation (STI) Slurries Average Price by Manufacturer (2021-2026) & (US\$/Kg)

Table 21. Global Shallow Trench Isolation (STI) Slurries Company Evaluation Quadrant

Table 22. World Shallow Trench Isolation (STI) Slurries Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Shallow Trench Isolation (STI) Slurries Production Site of Key Manufacturer

Table 24. Shallow Trench Isolation (STI) Slurries Market: Company Product Type Footprint

Table 25. Shallow Trench Isolation (STI) Slurries Market: Company Product Application Footprint

Table 26. Shallow Trench Isolation (STI) Slurries Competitive Factors

Table 27. Shallow Trench Isolation (STI) Slurries New Entrant and Capacity Expansion Plans

Table 28. Shallow Trench Isolation (STI) Slurries Mergers & Acquisitions Activity

Table 29. United States VS China Shallow Trench Isolation (STI) Slurries Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Shallow Trench Isolation (STI) Slurries Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China Shallow Trench Isolation (STI) Slurries Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based Shallow Trench Isolation (STI) Slurries Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Shallow Trench Isolation (STI) Slurries Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Shallow Trench Isolation (STI) Slurries Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Shallow Trench Isolation (STI) Slurries Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers Shallow Trench Isolation (STI) Slurries Production Market Share (2021-2026)

Table 37. China Based Shallow Trench Isolation (STI) Slurries Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Shallow Trench Isolation (STI) Slurries Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Shallow Trench Isolation (STI) Slurries Production Value Market Share (2021-2026)

- Table 40. China Based Manufacturers Shallow Trench Isolation (STI) Slurries Production, (2021-2026) & (Tons)
- Table 41. China Based Manufacturers Shallow Trench Isolation (STI) Slurries Production Market Share (2021-2026)
- Table 42. Rest of World Based Shallow Trench Isolation (STI) Slurries Manufacturers, Headquarters and Production Site (State, Country)
- Table 43. Rest of World Based Manufacturers Shallow Trench Isolation (STI) Slurries Production Value, (2021-2026) & (USD Million)
- Table 44. Rest of World Based Manufacturers Shallow Trench Isolation (STI) Slurries Production Value Market Share (2021-2026)
- Table 45. Rest of World Based Manufacturers Shallow Trench Isolation (STI) Slurries Production, (2021-2026) & (Tons)
- Table 46. Rest of World Based Manufacturers Shallow Trench Isolation (STI) Slurries Production Market Share (2021-2026)
- Table 47. World Shallow Trench Isolation (STI) Slurries Production Value by Abrasive Type, (USD Million), 2021 & 2025 & 2032
- Table 48. World Shallow Trench Isolation (STI) Slurries Production by Abrasive Type (2021-2026) & (Tons)
- Table 49. World Shallow Trench Isolation (STI) Slurries Production by Abrasive Type (2027-2032) & (Tons)
- Table 50. World Shallow Trench Isolation (STI) Slurries Production Value by Abrasive Type (2021-2026) & (USD Million)
- Table 51. World Shallow Trench Isolation (STI) Slurries Production Value by Abrasive Type (2027-2032) & (USD Million)
- Table 52. World Shallow Trench Isolation (STI) Slurries Average Price by Abrasive Type (2021-2026) & (US\$/Kg)
- Table 53. World Shallow Trench Isolation (STI) Slurries Average Price by Abrasive Type (2027-2032) & (US\$/Kg)
- Table 54. World Shallow Trench Isolation (STI) Slurries Production Value by Process Node, (USD Million), 2021 & 2025 & 2032
- Table 55. World Shallow Trench Isolation (STI) Slurries Production by Process Node (2021-2026) & (Tons)
- Table 56. World Shallow Trench Isolation (STI) Slurries Production by Process Node (2027-2032) & (Tons)
- Table 57. World Shallow Trench Isolation (STI) Slurries Production Value by Process Node (2021-2026) & (USD Million)
- Table 58. World Shallow Trench Isolation (STI) Slurries Production Value by Process Node (2027-2032) & (USD Million)
- Table 59. World Shallow Trench Isolation (STI) Slurries Average Price by Process Node

(2021-2026) & (US\$/Kg)

Table 60. World Shallow Trench Isolation (STI) Slurries Average Price by Process Node (2027-2032) & (US\$/Kg)

Table 61. World Shallow Trench Isolation (STI) Slurries Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 62. World Shallow Trench Isolation (STI) Slurries Production by Application (2021-2026) & (Tons)

Table 63. World Shallow Trench Isolation (STI) Slurries Production by Application (2027-2032) & (Tons)

Table 64. World Shallow Trench Isolation (STI) Slurries Production Value by Application (2021-2026) & (USD Million)

Table 65. World Shallow Trench Isolation (STI) Slurries Production Value by Application (2027-2032) & (USD Million)

Table 66. World Shallow Trench Isolation (STI) Slurries Average Price by Application (2021-2026) & (US\$/Kg)

Table 67. World Shallow Trench Isolation (STI) Slurries Average Price by Application (2027-2032) & (US\$/Kg)

Table 68. Resonac Basic Information, Manufacturing Base and Competitors

Table 69. Resonac Major Business

Table 70. Resonac Shallow Trench Isolation (STI) Slurries Product and Services

Table 71. Resonac Shallow Trench Isolation (STI) Slurries Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. Resonac Recent Developments/Updates

Table 73. Resonac Competitive Strengths & Weaknesses

Table 74. Merck KGaA Basic Information, Manufacturing Base and Competitors

Table 75. Merck KGaA Major Business

Table 76. Merck KGaA Shallow Trench Isolation (STI) Slurries Product and Services

Table 77. Merck KGaA Shallow Trench Isolation (STI) Slurries Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. Merck KGaA Recent Developments/Updates

Table 79. Merck KGaA Competitive Strengths & Weaknesses

Table 80. AGC Basic Information, Manufacturing Base and Competitors

Table 81. AGC Major Business

Table 82. AGC Shallow Trench Isolation (STI) Slurries Product and Services

Table 83. AGC Shallow Trench Isolation (STI) Slurries Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. AGC Recent Developments/Updates

Table 85. AGC Competitive Strengths & Weaknesses

Table 86. Fujimi Corporation Basic Information, Manufacturing Base and Competitors

- Table 87. Fujimi Corporation Major Business
- Table 88. Fujimi Corporation Shallow Trench Isolation (STI) Slurries Product and Services
- Table 89. Fujimi Corporation Shallow Trench Isolation (STI) Slurries Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 90. Fujimi Corporation Recent Developments/Updates
- Table 91. Fujimi Corporation Competitive Strengths & Weaknesses
- Table 92. FujiFilm Basic Information, Manufacturing Base and Competitors
- Table 93. FujiFilm Major Business
- Table 94. FujiFilm Shallow Trench Isolation (STI) Slurries Product and Services
- Table 95. FujiFilm Shallow Trench Isolation (STI) Slurries Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 96. FujiFilm Recent Developments/Updates
- Table 97. FujiFilm Competitive Strengths & Weaknesses
- Table 98. KC Tech Basic Information, Manufacturing Base and Competitors
- Table 99. KC Tech Major Business
- Table 100. KC Tech Shallow Trench Isolation (STI) Slurries Product and Services
- Table 101. KC Tech Shallow Trench Isolation (STI) Slurries Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 102. KC Tech Recent Developments/Updates
- Table 103. KC Tech Competitive Strengths & Weaknesses
- Table 104. Soulbrain Basic Information, Manufacturing Base and Competitors
- Table 105. Soulbrain Major Business
- Table 106. Soulbrain Shallow Trench Isolation (STI) Slurries Product and Services
- Table 107. Soulbrain Shallow Trench Isolation (STI) Slurries Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 108. Soulbrain Recent Developments/Updates
- Table 109. Soulbrain Competitive Strengths & Weaknesses
- Table 110. Anjimirco Shanghai Basic Information, Manufacturing Base and Competitors
- Table 111. Anjimirco Shanghai Major Business
- Table 112. Anjimirco Shanghai Shallow Trench Isolation (STI) Slurries Product and Services
- Table 113. Anjimirco Shanghai Shallow Trench Isolation (STI) Slurries Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 114. Anjimirco Shanghai Recent Developments/Updates
- Table 115. Anjimirco Shanghai Competitive Strengths & Weaknesses
- Table 116. Dongjin Semichem Basic Information, Manufacturing Base and Competitors

Table 117. Dongjin Semichem Major Business

Table 118. Dongjin Semichem Shallow Trench Isolation (STI) Slurries Product and Services

Table 119. Dongjin Semichem Shallow Trench Isolation (STI) Slurries Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 120. Dongjin Semichem Recent Developments/Updates

Table 121. Dongjin Semichem Competitive Strengths & Weaknesses

Table 122. Samsung SDI Basic Information, Manufacturing Base and Competitors

Table 123. Samsung SDI Major Business

Table 124. Samsung SDI Shallow Trench Isolation (STI) Slurries Product and Services

Table 125. Samsung SDI Shallow Trench Isolation (STI) Slurries Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 126. Samsung SDI Recent Developments/Updates

Table 127. Samsung SDI Competitive Strengths & Weaknesses

Table 128. Saint-Gobain Basic Information, Manufacturing Base and Competitors

Table 129. Saint-Gobain Major Business

Table 130. Saint-Gobain Shallow Trench Isolation (STI) Slurries Product and Services

Table 131. Saint-Gobain Shallow Trench Isolation (STI) Slurries Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 132. Saint-Gobain Recent Developments/Updates

Table 133. Saint-Gobain Competitive Strengths & Weaknesses

Table 134. Vibrantz (Ferro) Basic Information, Manufacturing Base and Competitors

Table 135. Vibrantz (Ferro) Major Business

Table 136. Vibrantz (Ferro) Shallow Trench Isolation (STI) Slurries Product and Services

Table 137. Vibrantz (Ferro) Shallow Trench Isolation (STI) Slurries Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 138. Vibrantz (Ferro) Recent Developments/Updates

Table 139. Vibrantz (Ferro) Competitive Strengths & Weaknesses

Table 140. ACE NANOCHEM Basic Information, Manufacturing Base and Competitors

Table 141. ACE NANOCHEM Major Business

Table 142. ACE NANOCHEM Shallow Trench Isolation (STI) Slurries Product and Services

Table 143. ACE NANOCHEM Shallow Trench Isolation (STI) Slurries Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market

Share (2021-2026)

Table 144. ACE NANOCEM Recent Developments/Updates

Table 145. ACE NANOCEM Competitive Strengths & Weaknesses

Table 146. Global Key Players of Shallow Trench Isolation (STI) Slurries Upstream  
(Raw Materials)

Table 147. Global Shallow Trench Isolation (STI) Slurries Typical Customers

Table 148. Shallow Trench Isolation (STI) Slurries Typical Distributors

## List Of Figures

### LIST OF FIGURES

- Figure 1. Shallow Trench Isolation (STI) Slurries Picture
- Figure 2. World Shallow Trench Isolation (STI) Slurries Production Value: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World Shallow Trench Isolation (STI) Slurries Production Value and Forecast (2021-2032) & (USD Million)
- Figure 4. World Shallow Trench Isolation (STI) Slurries Production (2021-2032) & (Tons)
- Figure 5. World Shallow Trench Isolation (STI) Slurries Average Price (2021-2032) & (US\$/Kg)
- Figure 6. World Shallow Trench Isolation (STI) Slurries Production Value Market Share by Region (2021-2032)
- Figure 7. World Shallow Trench Isolation (STI) Slurries Production Market Share by Region (2021-2032)
- Figure 8. North America Shallow Trench Isolation (STI) Slurries Production (2021-2032) & (Tons)
- Figure 9. Europe Shallow Trench Isolation (STI) Slurries Production (2021-2032) & (Tons)
- Figure 10. China Shallow Trench Isolation (STI) Slurries Production (2021-2032) & (Tons)
- Figure 11. Japan Shallow Trench Isolation (STI) Slurries Production (2021-2032) & (Tons)
- Figure 12. Shallow Trench Isolation (STI) Slurries Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World Shallow Trench Isolation (STI) Slurries Consumption (2021-2032) & (Tons)
- Figure 15. World Shallow Trench Isolation (STI) Slurries Consumption Market Share by Region (2021-2032)
- Figure 16. United States Shallow Trench Isolation (STI) Slurries Consumption (2021-2032) & (Tons)
- Figure 17. China Shallow Trench Isolation (STI) Slurries Consumption (2021-2032) & (Tons)
- Figure 18. Europe Shallow Trench Isolation (STI) Slurries Consumption (2021-2032) & (Tons)
- Figure 19. Japan Shallow Trench Isolation (STI) Slurries Consumption (2021-2032) & (Tons)

- Figure 20. South Korea Shallow Trench Isolation (STI) Slurries Consumption (2021-2032) & (Tons)
- Figure 21. ASEAN Shallow Trench Isolation (STI) Slurries Consumption (2021-2032) & (Tons)
- Figure 22. India Shallow Trench Isolation (STI) Slurries Consumption (2021-2032) & (Tons)
- Figure 23. Producer Shipments of Shallow Trench Isolation (STI) Slurries by Manufacturer Revenue (\$MM) and Market Share (%): 2025
- Figure 24. Global Four-firm Concentration Ratios (CR4) for Shallow Trench Isolation (STI) Slurries Markets in 2025
- Figure 25. Global Four-firm Concentration Ratios (CR8) for Shallow Trench Isolation (STI) Slurries Markets in 2025
- Figure 26. United States VS China: Shallow Trench Isolation (STI) Slurries Production Value Market Share Comparison (2021 & 2025 & 2032)
- Figure 27. United States VS China: Shallow Trench Isolation (STI) Slurries Production Market Share Comparison (2021 & 2025 & 2032)
- Figure 28. United States VS China: Shallow Trench Isolation (STI) Slurries Consumption Market Share Comparison (2021 & 2025 & 2032)
- Figure 29. United States Based Manufacturers Shallow Trench Isolation (STI) Slurries Production Market Share 2025
- Figure 30. China Based Manufacturers Shallow Trench Isolation (STI) Slurries Production Market Share 2025
- Figure 31. Rest of World Based Manufacturers Shallow Trench Isolation (STI) Slurries Production Market Share 2025
- Figure 32. World Shallow Trench Isolation (STI) Slurries Production Value by Abrasive Type, (USD Million), 2021 & 2025 & 2032
- Figure 33. World Shallow Trench Isolation (STI) Slurries Production Value Market Share by Abrasive Type in 2025
- Figure 34. CeO<sub>2</sub> (Ceria) Slurry
- Figure 35. Colloidal Silica Slurry
- Figure 36. World Shallow Trench Isolation (STI) Slurries Production Market Share by Abrasive Type (2021-2032)
- Figure 37. World Shallow Trench Isolation (STI) Slurries Production Value Market Share by Abrasive Type (2021-2032)
- Figure 38. World Shallow Trench Isolation (STI) Slurries Average Price by Abrasive Type (2021-2032) & (US\$/Kg)
- Figure 39. World Shallow Trench Isolation (STI) Slurries Production Value by Process Node, (USD Million), 2021 & 2025 & 2032
- Figure 40. World Shallow Trench Isolation (STI) Slurries Production Value Market Share

by Process Node in 2025

Figure 41. High End / Advanced 110nm

Figure 44. World Shallow Trench Isolation (STI) Slurries Production Market Share by Process Node (2021-2032)

Figure 45. World Shallow Trench Isolation (STI) Slurries Production Value Market Share by Process Node (2021-2032)

Figure 46. World Shallow Trench Isolation (STI) Slurries Average Price by Process Node (2021-2032) & (US\$/Kg)

Figure 47. World Shallow Trench Isolation (STI) Slurries Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 48. World Shallow Trench Isolation (STI) Slurries Production Value Market Share by Application in 2025

Figure 49. Logic IC

Figure 50. Memory Chips

Figure 51. Others

Figure 52. World Shallow Trench Isolation (STI) Slurries Production Market Share by Application (2021-2032)

Figure 53. World Shallow Trench Isolation (STI) Slurries Production Value Market Share by Application (2021-2032)

Figure 54. World Shallow Trench Isolation (STI) Slurries Average Price by Application (2021-2032) & (US\$/Kg)

Figure 55. Shallow Trench Isolation (STI) Slurries Industry Chain

Figure 56. Shallow Trench Isolation (STI) Slurries Procurement Model

Figure 57. Shallow Trench Isolation (STI) Slurries Sales Model

Figure 58. Shallow Trench Isolation (STI) Slurries Sales Channels, Direct Sales, and Distribution

Figure 59. Methodology

Figure 60. Research Process and Data Source

## I would like to order

Product name: Global Shallow Trench Isolation (STI) Slurries Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GA1FC46E203FEN.html>

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

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GA1FC46E203FEN.html>