

# Global Halogen Free Cored Solder Wire Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G52A200C9D92EN.html>

Date: May 2026

Pages: 99

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

ID: G52A200C9D92EN

## Abstracts

The global Halogen Free Cored Solder Wire market size is expected to reach \$ 452 million by 2032, rising at a market growth of 4.9% CAGR during the forecast period (2026-2032).

Halogenfree flux cored solder wire is an electronic soldering material consisting of a tin-based alloy wire coated with a flux core. It is primarily used for manual soldering, rework, and robotic soldering, emphasizing compliance with J-STD-004B halogen-free requirements while also ensuring wettability, low spatter, and solder joint reliability.

Upstream industries mainly include solder alloy raw materials such as tin, silver, and copper, as well as flux chemicals such as resins and activators, and wire packaging materials. Downstream industries primarily serve circuit assembly scenarios in consumer electronics, industrial electronics, and automotive electronics, covering manual soldering, rework, and automated soldering applications.

The global price of halogen-free flux-cored solder wire is US\$85,000 per ton, with annual sales of approximately 3,700 tons and a global production capacity of 4,000 tons. The industry profit margin is 20%.

In the future, halogen-free flux-cored solder wire will continue to upgrade towards 'halogen-free + no-clean + high reliability,' further emphasizing low spatter, fast wetting, low residue, and better appearance consistency to meet the demands of higher-density and higher-reliability electronic assembly. At the same time, with the increasing penetration of automotive electronics, industrial control and robotic welding, halogen-free products suitable for automation, laser welding and high temperature and high stress environments will receive more attention, and industry competition will focus

more on environmental compliance, process window width and automation adaptability.

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

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

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

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

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

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

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

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

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

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

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

This report profiles key players in the global Halogen Free 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 MacDermid Alpha Electronics Solutions, AIM Solder, Kester, Senju Metal Industry, Indium, Nihon Superior, Henkel, Superior Flux, 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 Halogen Free 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 Halogen Free Cored Solder Wire Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Halogen Free Cored Solder Wire Market, Segmentation by Type:

No Clean

Water Soluble

Rosin Based

## Global Halogen Free Cored Solder Wire Market, Segmentation by Solder Alloy System:

Sn-Pb System

Sn-Ag-Cu (Sac) System

Sn-Cu System

## Global Halogen Free Cored Solder Wire Market, Segmentation by Lead Content:

Lead-Containing Type

Lead-Free Type

## Global Halogen Free Cored Solder Wire Market, Segmentation by Application:

Consumer Electronics

Automotive

Telecommunication

Others

## Companies Profiled:

MacDermid Alpha Electronics Solutions

AIM Solder

Kester

Senju Metal Industry

Indium

Nihon Superior

Henkel

Superior Flux

**Key Questions Answered:**

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

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