

# Global Nitinol Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G0DCDD6C4E70EN.html>

Date: April 2026

Pages: 162

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

ID: G0DCDD6C4E70EN

## Abstracts

The global Nitinol market size is expected to reach \$ 1643 million by 2032, rising at a market growth of 7.4% CAGR during the forecast period (2026-2032).

Nitinol, a shape-memory and superelastic alloy, is engineered to provide exceptional mechanical properties, including high strength, excellent fatigue resistance, and the ability to return to a pre-defined shape after deformation, making it ideal for use in a wide range of applications where precise and reliable performance is critical. This material is designed to meet the stringent requirements of medical devices, offering a combination of structural integrity and adaptive characteristics that enhance device functionality and patient outcomes. In 2025, global Nitinol production reached approximately 4247 tons with an average global market price of around US\$230 per kg.

The Nitinol industry is poised for growth with a multifaceted approach, as enterprises focus on technological innovation and material optimization to enhance product performance for diverse applications across industries such as medical, aerospace, and automotive. The expansion of market reach through customized services and global market expansion is expected to be key drivers of revenue growth. Enterprises will also concentrate on cost control and sustainability, leveraging intelligent manufacturing and supply chain optimization to enhance production efficiency and resource utilization. To maintain competitive advantage, ongoing investment in research and development will be crucial, aimed at developing new alloys and manufacturing technologies. In response to environmental regulatory challenges, enterprises will strengthen environmental initiatives to ensure compliance. These collective efforts will propel the Nitinol industry towards a more efficient and sustainable path of development.

This report studies the global Nitinol production, demand, key manufacturers, and key

regions.

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

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

Global Nitinol total production and demand, 2021-2032, (K MT)

Global Nitinol total production value, 2021-2032, (USD Million)

Global Nitinol production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K MT), (based on production site)

Global Nitinol consumption by region & country, CAGR, 2021-2032 & (K MT)

U.S. VS China: Nitinol domestic production, consumption, key domestic manufacturers and share

Global Nitinol production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K MT)

Global Nitinol production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

Global Nitinol production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

This report profiles key players in the global Nitinol 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 Montagu, Nordson MEDICAL, GEE SMA, Cirtec, Confluent Medical, AccuPath, Lighteum Medical, Viant Medical, Furukawa, Resonetics, 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 Nitinol market

**Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K MT) and average price (USD/MT) 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 Nitinol Market, By Region:**

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

**Global Nitinol Market, Segmentation by Type:**

1-Way Memory Effect

2-Way Memory Effect

Full Memory Effect

### Global Nitinol Market, Segmentation by Functional Type:

Shape Memory Nitinol

Superelastic Nitinol

Two-way Shape Memory Nitinol

Others

### Global Nitinol Market, Segmentation by Composition & Transformation Temperature:

Equiatomic NiTi

Ni-rich Nitinol

Ti-rich Nitinol

### Global Nitinol Market, Segmentation by Application:

Medical Applications

Aircraft Applications

Automotive

Consumer Goods

Others

### Companies Profiled:

Montagu

Nordson MEDICAL

GEE SMA

Cirtec

Confluent Medical

AccuPath

Lighteum Medical

Viant Medical

Furukawa

Resonetics

EUROFLEX GmbH

Admedes GmbH

ATI

Johnson Matthey

Fort Wayne Metals

Daido Steel

Nippon Steel & Sumitomo Metal

Metalwerks PMD

G.RAU GmbH & Co. KG

Dynalloy

Grikin

PEIER Tech

Saite Metal

Kconti Med Technology (Suzhou)

Grimm Advanced Materials

**Key Questions Answered:**

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

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