

Global Shape Memory Alloys Market Research Report 2012-2024

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Abstracts

SUMMARY

A shape memory alloy (SMA) is an alloy that 'remembers' its original shape and that when deformed returns to its pre-deformed shape when heated. This material is a lightweight, solid-state alternative to conventional actuators such as hydraulic, pneumatic, and motor-based systems. Shape-memory alloys have applications in industries including automotive, aerospace, and biomedical and robotics. Nickel-titanium alloys have been found to be the most useful of all SMAs. Other shape memory alloys include copper-aluminum-nickel, copper-zinc-aluminum, and iron-manganese-silicon alloys. The generic name for the family of nickel-titanium alloys is Nitinol.

The global Shape Memory Alloys market will reach xxx Million USD in 2019 with CAGR xx% 2019-2024. The objective of report is to define, segment, and project the market on the basis of product type, application, and region, and to describe the content about the factors influencing market dynamics, policy, economic, technology and market entry etc.

Based on products type, the report describes major products type share of regional market. Products mentioned as follows:

Nickel-Titanium (Ni-Ti)

Copper Based

Fe-Manganese-Silicon

Others

Leading vendors in the market are included based on profile, business performance etc.
Vendors mentioned as follows:

Nitinol Devices & Components

SAES Getters

G.RAU GmbH & Co. KG

ATI Wah-chang

Johnson Matthey

Fort Wayne Metals

Furukawa Electric

Nippon Steel & Sumitomo Metal

NipponSeisen

Metalwerks PMD

Ultimate NiTi Technologies

Dynalloy

Grikin

Saite Metal

Based on Application, the report describes major application share of regional market.
Application mentioned as follows:

Super Elastic

Constrained Recovery

Actuator

Based on region, the report describes major regions market by products and application. Regions mentioned as follows:

Asia-Pacific

North America

Europe

South America

Middle East & Africa

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