

Global Shape Memory Alloys Market by Manufacturers, Countries, Type and Application, Forecast to 2022

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Abstracts

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.

SCOPE OF THE REPORT:

This report focuses on the Shape Memory Alloys in Global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

Market Segment by Manufacturers, this report covers

Nitinol Devices & Components

SAES Getters

G.RAU GmbH & Co. KG

ATI Wah-chang

Johnson Matthey

Fort Wayne Metals

Furukawa Electric

Nippon Steel & Sumitomo Metal

Nippon Seisen

Metalwerks PMD

Ultimate NiTi Technologies

Dynalloy

Grikin

PEIER Tech

Saite Metal

Smart

Baoji Seabird Metal

GEE

Market Segment by Regions, regional analysis covers

North America (USA, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Columbia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Nickel-Titanium (Ni-Ti)

Copper Based

Fe-Manganese-Silicon

Other Type

Market Segment by Applications, can be divided into

Medical applications

Aircraft Applications

Automotive

Home Appliance

There are 15 Chapters to deeply display the global Shape Memory Alloys market.

Chapter 1, to describe Shape Memory Alloys Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Shape Memory Alloys, with sales, revenue, and price of Shape Memory Alloys, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Shape Memory Alloys, for each region, from 2012 to 2017;

Chapter 5, 6, 7, 8 and 9, to analyze the key regions, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2012 to 2017;

Chapter 12, Shape Memory Alloys market forecast, by regions, type and application, with sales and revenue, from 2017 to 2022;

Chapter 13, 14 and 15, to describe Shape Memory Alloys sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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