

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Shape Memory Alloys Market 2018, Forecast to 2023

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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.

At present, in the foreign industrial developed countries the shape memory alloys industry is generally at a more advanced level, the world's large enterprises are mainly concentrated in the Europe United States and Japan. Meanwhile, foreign companies have more mature equipment, strong R & D capability, the technical level is in a leading position. But foreign companies' manufacturing cost is relatively high, compared with china's companies, the manufacturing cost is competitive disadvantage, as the Chinese shape memory alloys production enterprise technology continues to improve, their share in the international market is increasing, competitiveness in the international market gradually increase.

China shape memory alloys industry has developed into a national industry with certain research and production capacity, industry product mix has gradually improved.



Currently, China has become international shape memory alloys major consumption country, but the production technology is relatively laggard, currently can only produce some low-end product. Although after 2012 the new production lines is increasing, the technology is still relying on import.

Currently the global major manufacturers are: Nitinol Devices & Components, SAES Getters, G.RAU GMBH & CO. KG (Euroflex and Admedes Schuessler). Although many new projects are put into production in recent years, in short future, the competition pattern will not change.

With the rapid growth of the national economy as well as the rapid development of downstream industries, Chinese shape memory alloys market demand is increasing, it provide a good opportunity for the development of Shape memory alloys market and technology.

Despite the presence of competition problems, due to the global recovery trend is clear, investors are still optimistic about this area, the future will still have more new investment enter the field.

Along with the development of Chinese domestic equipment, Chinese domestic equipment has been very mature and advanced, and the performance distance has been shorten compared with the imported equipment.

The worldwide market for Shape Memory Alloys is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

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

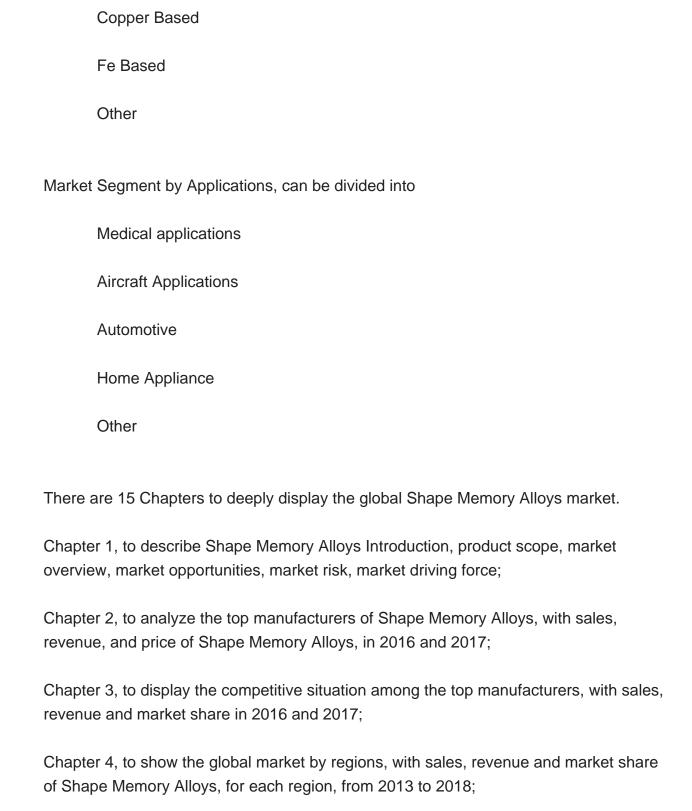
Furukawa Electric



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 (United States, Canada and Mexico)		
Europe (Germany, France, UK, Russia and Italy)		
Asia-Pacific (China, Japan, Korea, India and Southeast Asia)		
South America (Brazil, Argentina, Colombia etc.)		
Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)		
Market Segment by Type, covers		

Nickel-Titanium





regions;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and

by manufacturers, with sales, revenue and market share by key countries in these



Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Shape Memory Alloys market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

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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