

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

<https://marketpublishers.com/r/GF0B74B98A0EN.html>

Date: July 2018

Pages: 152

Price: US\$ 4,880.00 (Single User License)

ID: GF0B74B98A0EN

## 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

Copper Based

Fe Based

Other

Market Segment by Applications, can be divided into

Medical applications

Aircraft Applications

Automotive

Home Appliance

Other

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 2013 to 2018;

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 regions;

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

## Contents

### 1 MARKET OVERVIEW

- 1.1 Shape Memory Alloys Introduction
- 1.2 Market Analysis by Type
  - 1.2.1 Nickel-Titanium
  - 1.2.2 Copper Based
  - 1.2.3 Fe Based
  - 1.2.4 Other
- 1.3 Market Analysis by Applications
  - 1.3.1 Medical applications
  - 1.3.2 Aircraft Applications
  - 1.3.3 Automotive
  - 1.3.4 Home Appliance
  - 1.3.5 Other
- 1.4 Market Analysis by Regions
  - 1.4.1 North America (United States, Canada and Mexico)
    - 1.4.1.1 United States Market States and Outlook (2013-2023)
    - 1.4.1.2 Canada Market States and Outlook (2013-2023)
    - 1.4.1.3 Mexico Market States and Outlook (2013-2023)
  - 1.4.2 Europe (Germany, France, UK, Russia and Italy)
    - 1.4.2.1 Germany Market States and Outlook (2013-2023)
    - 1.4.2.2 France Market States and Outlook (2013-2023)
    - 1.4.2.3 UK Market States and Outlook (2013-2023)
    - 1.4.2.4 Russia Market States and Outlook (2013-2023)
    - 1.4.2.5 Italy Market States and Outlook (2013-2023)
  - 1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia)
    - 1.4.3.1 China Market States and Outlook (2013-2023)
    - 1.4.3.2 Japan Market States and Outlook (2013-2023)
    - 1.4.3.3 Korea Market States and Outlook (2013-2023)
    - 1.4.3.4 India Market States and Outlook (2013-2023)
    - 1.4.3.5 Southeast Asia Market States and Outlook (2013-2023)
  - 1.4.4 South America, Middle East and Africa
    - 1.4.4.1 Brazil Market States and Outlook (2013-2023)
    - 1.4.4.2 Egypt Market States and Outlook (2013-2023)
    - 1.4.4.3 Saudi Arabia Market States and Outlook (2013-2023)
    - 1.4.4.4 South Africa Market States and Outlook (2013-2023)
    - 1.4.4.5 Nigeria Market States and Outlook (2013-2023)

## 1.5 Market Dynamics

### 1.5.1 Market Opportunities

### 1.5.2 Market Risk

### 1.5.3 Market Driving Force

## 2 MANUFACTURERS PROFILES

### 2.1 Nitinol Devices & Components

#### 2.1.1 Business Overview

##### 2.1.1.1 Nitinol Devices & Components Description

##### 2.1.1.2 Nitinol Devices & Components Headquarter, Main Business and Finance Overview

#### 2.1.2 Nitinol Devices & Components Shape Memory Alloys Product Introduction

##### 2.1.2.1 Shape Memory Alloys Production Bases, Sales Regions and Major Competitors

##### 2.1.2.2 Shape Memory Alloys Product Information

#### 2.1.3 Nitinol Devices & Components Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.1.3.1 Nitinol Devices & Components Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.1.3.2 Global Nitinol Devices & Components Shape Memory Alloys Market Share in 2017

### 2.2 SAES Getters

#### 2.2.1 Business Overview

##### 2.2.1.1 SAES Getters Description

##### 2.2.1.2 SAES Getters Headquarter, Main Business and Finance Overview

#### 2.2.2 SAES Getters Shape Memory Alloys Product Introduction

##### 2.2.2.1 Shape Memory Alloys Production Bases, Sales Regions and Major Competitors

##### 2.2.2.2 Shape Memory Alloys Product Information

#### 2.2.3 SAES Getters Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.2.3.1 SAES Getters Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.2.3.2 Global SAES Getters Shape Memory Alloys Market Share in 2017

### 2.3 G.RAU GmbH & Co. KG

#### 2.3.1 Business Overview

##### 2.3.1.1 G.RAU GmbH & Co. KG Description

##### 2.3.1.2 G.RAU GmbH & Co. KG Headquarter, Main Business and Finance Overview

- 2.3.2 G.RAU GmbH & Co. KG Shape Memory Alloys Product Introduction
  - 2.3.2.1 Shape Memory Alloys Production Bases, Sales Regions and Major Competitors
  - 2.3.2.2 Shape Memory Alloys Product Information
- 2.3.3 G.RAU GmbH & Co. KG Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
  - 2.3.3.1 G.RAU GmbH & Co. KG Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
  - 2.3.3.2 Global G.RAU GmbH & Co. KG Shape Memory Alloys Market Share in 2017
- 2.4 ATI Wah-chang
  - 2.4.1 Business Overview
    - 2.4.1.1 ATI Wah-chang Description
    - 2.4.1.2 ATI Wah-chang Headquarter, Main Business and Finance Overview
  - 2.4.2 ATI Wah-chang Shape Memory Alloys Product Introduction
    - 2.4.2.1 Shape Memory Alloys Production Bases, Sales Regions and Major Competitors
    - 2.4.2.2 Shape Memory Alloys Product Information
  - 2.4.3 ATI Wah-chang Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
    - 2.4.3.1 ATI Wah-chang Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
    - 2.4.3.2 Global ATI Wah-chang Shape Memory Alloys Market Share in 2017
- 2.5 Johnson Matthey
  - 2.5.1 Business Overview
    - 2.5.1.1 Johnson Matthey Description
    - 2.5.1.2 Johnson Matthey Headquarter, Main Business and Finance Overview
  - 2.5.2 Johnson Matthey Shape Memory Alloys Product Introduction
    - 2.5.2.1 Shape Memory Alloys Production Bases, Sales Regions and Major Competitors
    - 2.5.2.2 Shape Memory Alloys Product Information
  - 2.5.3 Johnson Matthey Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
    - 2.5.3.1 Johnson Matthey Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
    - 2.5.3.2 Global Johnson Matthey Shape Memory Alloys Market Share in 2017
- 2.6 Fort Wayne Metals
  - 2.6.1 Business Overview
    - 2.6.1.1 Fort Wayne Metals Description
    - 2.6.1.2 Fort Wayne Metals Headquarter, Main Business and Finance Overview



## 2.6.2 Fort Wayne Metals Shape Memory Alloys Product Introduction

2.6.2.1 Shape Memory Alloys Production Bases, Sales Regions and Major Competitors

2.6.2.2 Shape Memory Alloys Product Information

2.6.3 Fort Wayne Metals Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.6.3.1 Fort Wayne Metals Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.6.3.2 Global Fort Wayne Metals Shape Memory Alloys Market Share in 2017

## 2.7 Furukawa Electric

2.7.1 Business Overview

2.7.1.1 Furukawa Electric Description

2.7.1.2 Furukawa Electric Headquarter, Main Business and Finance Overview

2.7.2 Furukawa Electric Shape Memory Alloys Product Introduction

2.7.2.1 Shape Memory Alloys Production Bases, Sales Regions and Major Competitors

2.7.2.2 Shape Memory Alloys Product Information

2.7.3 Furukawa Electric Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.7.3.1 Furukawa Electric Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.7.3.2 Global Furukawa Electric Shape Memory Alloys Market Share in 2017

## 2.8 Nippon Steel & Sumitomo Metal

2.8.1 Business Overview

2.8.1.1 Nippon Steel & Sumitomo Metal Description

2.8.1.2 Nippon Steel & Sumitomo Metal Headquarter, Main Business and Finance Overview

2.8.2 Nippon Steel & Sumitomo Metal Shape Memory Alloys Product Introduction

2.8.2.1 Shape Memory Alloys Production Bases, Sales Regions and Major Competitors

2.8.2.2 Shape Memory Alloys Product Information

2.8.3 Nippon Steel & Sumitomo Metal Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.8.3.1 Nippon Steel & Sumitomo Metal Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.8.3.2 Global Nippon Steel & Sumitomo Metal Shape Memory Alloys Market Share in 2017

## 2.9 Nippon Seisen

2.9.1 Business Overview

- 2.9.1.1 Nippon Seisen Description
- 2.9.1.2 Nippon Seisen Headquarter, Main Business and Finance Overview
- 2.9.2 Nippon Seisen Shape Memory Alloys Product Introduction
  - 2.9.2.1 Shape Memory Alloys Production Bases, Sales Regions and Major Competitors
  - 2.9.2.2 Shape Memory Alloys Product Information
- 2.9.3 Nippon Seisen Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
  - 2.9.3.1 Nippon Seisen Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
  - 2.9.3.2 Global Nippon Seisen Shape Memory Alloys Market Share in 2017
- 2.10 Metalwerks PMD
  - 2.10.1 Business Overview
    - 2.10.1.1 Metalwerks PMD Description
    - 2.10.1.2 Metalwerks PMD Headquarter, Main Business and Finance Overview
  - 2.10.2 Metalwerks PMD Shape Memory Alloys Product Introduction
    - 2.10.2.1 Shape Memory Alloys Production Bases, Sales Regions and Major Competitors
    - 2.10.2.2 Shape Memory Alloys Product Information
  - 2.10.3 Metalwerks PMD Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
    - 2.10.3.1 Metalwerks PMD Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
    - 2.10.3.2 Global Metalwerks PMD Shape Memory Alloys Market Share in 2017
- 2.11 Ultimate NiTi Technologies
  - 2.11.1 Business Overview
  - 2.11.2 Ultimate NiTi Technologies Shape Memory Alloys Product Introduction
  - 2.11.3 Ultimate NiTi Technologies Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
- 2.12 Dynalloy
  - 2.12.1 Business Overview
  - 2.12.2 Dynalloy Shape Memory Alloys Product Introduction
  - 2.12.3 Dynalloy Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
- 2.13 Grikin
  - 2.13.1 Business Overview
  - 2.13.2 Grikin Shape Memory Alloys Product Introduction
  - 2.13.3 Grikin Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.14 PEIER Tech

### 2.14.1 Business Overview

### 2.14.2 PEIER Tech Shape Memory Alloys Product Introduction

### 2.14.3 PEIER Tech Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.15 Saite Metal

### 2.15.1 Business Overview

### 2.15.2 Saite Metal Shape Memory Alloys Product Introduction

### 2.15.3 Saite Metal Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.16 Smart

### 2.16.1 Business Overview

### 2.16.2 Smart Shape Memory Alloys Product Introduction

### 2.16.3 Smart Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.17 Baoji Seabird Metal

### 2.17.1 Business Overview

### 2.17.2 Baoji Seabird Metal Shape Memory Alloys Product Introduction

### 2.17.3 Baoji Seabird Metal Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.18 GEE

### 2.18.1 Business Overview

### 2.18.2 GEE Shape Memory Alloys Product Introduction

### 2.18.3 GEE Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## **3 GLOBAL SHAPE MEMORY ALLOYS MARKET COMPETITION, BY MANUFACTURER**

### 3.1 Global Shape Memory Alloys Sales and Market Share by Manufacturer (2016-2017)

### 3.2 Global Shape Memory Alloys Revenue and Market Share by Manufacturer (2016-2017)

### 3.3 Global Shape Memory Alloys Price by Manufacturer (2016-2017)

### 3.4 Market Concentration Rate

#### 3.4.1 Top 3 Shape Memory Alloys Manufacturer Market Share in 2017

#### 3.4.2 Top 5 Shape Memory Alloys Manufacturer Market Share in 2017

### 3.5 Market Competition Trend

## **4 GLOBAL SHAPE MEMORY ALLOYS MARKET ANALYSIS BY REGIONS**

- 4.1 Global Shape Memory Alloys Sales, Revenue and Market Share by Regions
  - 4.1.1 Global Shape Memory Alloys Sales by Regions (2013-2018)
  - 4.1.2 Global Shape Memory Alloys Revenue by Regions (2013-2018)
- 4.2 North America Shape Memory Alloys Sales, Revenue and Growth Rate (2013-2018)
- 4.3 Europe Shape Memory Alloys Sales, Revenue and Growth Rate (2013-2018)
- 4.4 Asia-Pacific Shape Memory Alloys Sales, Revenue and Growth Rate (2013-2018)
- 4.5 South America Shape Memory Alloys Sales, Revenue and Growth Rate (2013-2018)
- 4.6 Middle East and Africa Shape Memory Alloys Sales, Revenue and Growth Rate (2013-2018)

## **5 NORTH AMERICA SHAPE MEMORY ALLOYS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

- 5.1 North America Shape Memory Alloys Sales, Revenue and Market Share by Countries
  - 5.1.1 North America Shape Memory Alloys Sales by Countries (2013-2018)
  - 5.1.2 North America Shape Memory Alloys Revenue by Countries (2013-2018)
  - 5.1.3 United States Shape Memory Alloys Sales and Growth Rate (2013-2018)
  - 5.1.4 Canada Shape Memory Alloys Sales and Growth Rate (2013-2018)
  - 5.1.5 Mexico Shape Memory Alloys Sales and Growth Rate (2013-2018)
- 5.2 North America Shape Memory Alloys Sales and Revenue (Value) by Manufacturers (2016-2017)
  - 5.2.1 North America Shape Memory Alloys Sales by Manufacturers (2016-2017)
  - 5.2.2 North America Shape Memory Alloys Revenue by Manufacturers (2016-2017)
- 5.3 North America Shape Memory Alloys Sales, Revenue and Market Share by Type (2013-2018)
  - 5.3.1 North America Shape Memory Alloys Sales and Sales Share by Type (2013-2018)
  - 5.3.2 North America Shape Memory Alloys Revenue and Revenue Share by Type (2013-2018)
- 5.4 North America Shape Memory Alloys Sales, Revenue and Market Share by Application (2013-2018)
  - 5.4.1 North America Shape Memory Alloys Sales and Sales Share by Application (2013-2018)
  - 5.4.2 North America Shape Memory Alloys Revenue and Revenue Share by Application (2013-2018)

## **6 EUROPE SHAPE MEMORY ALLOYS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

### 6.1 Europe Shape Memory Alloys Sales, Revenue and Market Share by Countries

- 6.1.1 Europe Shape Memory Alloys Sales by Countries (2013-2018)
- 6.1.2 Europe Shape Memory Alloys Revenue by Countries (2013-2018)
- 6.1.3 Germany Shape Memory Alloys Sales and Growth Rate (2013-2018)
- 6.1.4 UK Shape Memory Alloys Sales and Growth Rate (2013-2018)
- 6.1.5 France Shape Memory Alloys Sales and Growth Rate (2013-2018)
- 6.1.6 Russia Shape Memory Alloys Sales and Growth Rate (2013-2018)
- 6.1.7 Italy Shape Memory Alloys Sales and Growth Rate (2013-2018)

### 6.2 Europe Shape Memory Alloys Sales and Revenue (Value) by Manufacturers (2016-2017)

- 6.2.1 Europe Shape Memory Alloys Sales by Manufacturers (2016-2017)
- 6.2.2 Europe Shape Memory Alloys Revenue by Manufacturers (2016-2017)

### 6.3 Europe Shape Memory Alloys Sales, Revenue and Market Share by Type (2013-2018)

- 6.3.1 Europe Shape Memory Alloys Sales and Sales Share by Type (2013-2018)
- 6.3.2 Europe Shape Memory Alloys Revenue and Revenue Share by Type (2013-2018)

### 6.4 Europe Shape Memory Alloys Sales, Revenue and Market Share by Application (2013-2018)

- 6.4.1 Europe Shape Memory Alloys Sales and Sales Share by Application (2013-2018)
- 6.4.2 Europe Shape Memory Alloys Revenue and Revenue Share by Application (2013-2018)

## **7 ASIA-PACIFIC SHAPE MEMORY ALLOYS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

### 7.1 Asia-Pacific Shape Memory Alloys Sales, Revenue and Market Share by Countries

- 7.1.1 Asia-Pacific Shape Memory Alloys Sales by Countries (2013-2018)
- 7.1.2 Asia-Pacific Shape Memory Alloys Revenue by Countries (2013-2018)
- 7.1.3 China Shape Memory Alloys Sales and Growth Rate (2013-2018)
- 7.1.4 Japan Shape Memory Alloys Sales and Growth Rate (2013-2018)
- 7.1.5 Korea Shape Memory Alloys Sales and Growth Rate (2013-2018)
- 7.1.6 India Shape Memory Alloys Sales and Growth Rate (2013-2018)
- 7.1.7 Southeast Asia Shape Memory Alloys Sales and Growth Rate (2013-2018)

### 7.2 Asia-Pacific Shape Memory Alloys Sales and Revenue (Value) by Manufacturers (2016-2017)

- 7.2.1 Asia-Pacific Shape Memory Alloys Sales by Manufacturers (2016-2017)
- 7.2.2 Asia-Pacific Shape Memory Alloys Revenue by Manufacturers (2016-2017)
- 7.3 Asia-Pacific Shape Memory Alloys Sales, Revenue and Market Share by Type (2013-2018)
  - 7.3.1 Asia-Pacific Shape Memory Alloys Sales and Sales Share by Type (2013-2018)
  - 7.3.2 Asia-Pacific Shape Memory Alloys Revenue and Revenue Share by Type (2013-2018)
- 7.4 Asia-Pacific Shape Memory Alloys Sales, Revenue and Market Share by Application (2013-2018)
  - 7.4.1 Asia-Pacific Shape Memory Alloys Sales and Sales Share by Application (2013-2018)
  - 7.4.2 Asia-Pacific Shape Memory Alloys Revenue and Revenue Share by Application (2013-2018)

## **8 SOUTH AMERICA SHAPE MEMORY ALLOYS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

- 8.1 South America Shape Memory Alloys Sales, Revenue and Market Share by Countries
  - 8.1.1 South America Shape Memory Alloys Sales by Countries (2013-2018)
  - 8.1.2 South America Shape Memory Alloys Revenue by Countries (2013-2018)
  - 8.1.3 Brazil Shape Memory Alloys Sales and Growth Rate (2013-2018)
  - 8.1.4 Argentina Shape Memory Alloys Sales and Growth Rate (2013-2018)
  - 8.1.5 Colombia Shape Memory Alloys Sales and Growth Rate (2013-2018)
- 8.2 South America Shape Memory Alloys Sales and Revenue (Value) by Manufacturers (2016-2017)
  - 8.2.1 South America Shape Memory Alloys Sales by Manufacturers (2016-2017)
  - 8.2.2 South America Shape Memory Alloys Revenue by Manufacturers (2016-2017)
- 8.3 South America Shape Memory Alloys Sales, Revenue and Market Share by Type (2013-2018)
  - 8.3.1 South America Shape Memory Alloys Sales and Sales Share by Type (2013-2018)
  - 8.3.2 South America Shape Memory Alloys Revenue and Revenue Share by Type (2013-2018)
- 8.4 South America Shape Memory Alloys Sales, Revenue and Market Share by Application (2013-2018)
  - 8.4.1 South America Shape Memory Alloys Sales and Sales Share by Application (2013-2018)
  - 8.4.2 South America Shape Memory Alloys Revenue and Revenue Share by

Application (2013-2018)

## **9 MIDDLE EAST AND AFRICA SHAPE MEMORY ALLOYS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

9.1 Middle East and Africa Shape Memory Alloys Sales, Revenue and Market Share by Countries

9.1.1 Middle East and Africa Shape Memory Alloys Sales by Countries (2013-2018)

9.1.2 Middle East and Africa Shape Memory Alloys Revenue by Countries (2013-2018)

9.1.3 Saudi Arabia Shape Memory Alloys Sales and Growth Rate (2013-2018)

9.1.4 UAE Shape Memory Alloys Sales and Growth Rate (2013-2018)

9.1.5 Egypt Shape Memory Alloys Sales and Growth Rate (2013-2018)

9.1.6 Nigeria Shape Memory Alloys Sales and Growth Rate (2013-2018)

9.1.7 South Africa Shape Memory Alloys Sales and Growth Rate (2013-2018)

9.2 Middle East and Africa Shape Memory Alloys Sales and Revenue (Value) by Manufacturers (2016-2017)

9.2.1 Middle East and Africa Shape Memory Alloys Sales by Manufacturers (2016-2017)

9.2.2 Middle East and Africa Shape Memory Alloys Revenue by Manufacturers (2016-2017)

9.3 Middle East and Africa Shape Memory Alloys Sales, Revenue and Market Share by Type (2013-2018)

9.3.1 Middle East and Africa Shape Memory Alloys Sales and Sales Share by Type (2013-2018)

9.3.1 Middle East and Africa Shape Memory Alloys Revenue and Revenue Share by Type (2013-2018)

9.4 Middle East and Africa Shape Memory Alloys Sales, Revenue and Market Share by Application (2013-2018)

9.4.1 Middle East and Africa Shape Memory Alloys Sales and Sales Share by Application (2013-2018)

9.4.2 Middle East and Africa Shape Memory Alloys Revenue and Revenue Share by Application (2013-2018)

## **10 GLOBAL SHAPE MEMORY ALLOYS MARKET SEGMENT BY TYPE**

10.1 Global Shape Memory Alloys Sales, Revenue and Market Share by Type (2013-2018)

10.1.1 Global Shape Memory Alloys Sales and Market Share by Type (2013-2018)

10.1.2 Global Shape Memory Alloys Revenue and Market Share by Type (2013-2018)

- 10.2 Nickel-Titanium Sales Growth and Price
  - 10.2.1 Global Nickel-Titanium Sales Growth (2013-2018)
  - 10.2.2 Global Nickel-Titanium Price (2013-2018)
- 10.3 Copper Based Sales Growth and Price
  - 10.3.1 Global Copper Based Sales Growth (2013-2018)
  - 10.3.2 Global Copper Based Price (2013-2018)
- 10.4 Fe Based Sales Growth and Price
  - 10.4.1 Global Fe Based Sales Growth (2013-2018)
  - 10.4.2 Global Fe Based Price (2013-2018)
- 10.5 Other Sales Growth and Price
  - 10.5.1 Global Other Sales Growth (2013-2018)
  - 10.5.2 Global Other Price (2013-2018)

## **11 GLOBAL SHAPE MEMORY ALLOYS MARKET SEGMENT BY APPLICATION**

- 11.1 Global Shape Memory Alloys Sales Market Share by Application (2013-2018)
- 11.2 Medical applications Sales Growth (2013-2018)
- 11.3 Aircraft Applications Sales Growth (2013-2018)
- 11.4 Automotive Sales Growth (2013-2018)
- 11.5 Home Appliance Sales Growth (2013-2018)
- 11.6 Other Sales Growth (2013-2018)

## **12 SHAPE MEMORY ALLOYS MARKET FORECAST (2018-2023)**

- 12.1 Global Shape Memory Alloys Sales, Revenue and Growth Rate (2018-2023)
- 12.2 Shape Memory Alloys Market Forecast by Regions (2018-2023)
  - 12.2.1 North America Shape Memory Alloys Market Forecast (2018-2023)
  - 12.2.2 Europe Shape Memory Alloys Market Forecast (2018-2023)
  - 12.2.3 Asia-Pacific Shape Memory Alloys Market Forecast (2018-2023)
  - 12.2.4 South America Shape Memory Alloys Market Forecast (2018-2023)
  - 12.2.5 Middle East and Africa Shape Memory Alloys Market Forecast (2018-2023)
- 12.3 Shape Memory Alloys Market Forecast by Type (2018-2023)
  - 12.3.1 Global Shape Memory Alloys Sales Forecast by Type (2018-2023)
  - 12.3.2 Global Shape Memory Alloys Market Share Forecast by Type (2018-2023)
- 12.4 Shape Memory Alloys Market Forecast by Application (2018-2023)
  - 12.4.1 Global Shape Memory Alloys Sales Forecast by Application (2018-2023)
  - 12.4.2 Global Shape Memory Alloys Market Share Forecast by Application (2018-2023)



## **13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS**

### 13.1 Sales Channel

#### 13.1.1 Direct Marketing

#### 13.1.2 Indirect Marketing

#### 13.1.3 Marketing Channel Future Trend

### 13.2 Distributors, Traders and Dealers

## **14 RESEARCH FINDINGS AND CONCLUSION**

## **15 APPENDIX**

### 15.1 Methodology

### 15.2 Data Source

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Shape Memory Alloys Picture

Table Product Specifications of Shape Memory Alloys

Figure Global Shape Memory Alloys CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (USD Million)

Figure Global Shape Memory Alloys CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (Sales)

Figure Global Sales Market Share of Shape Memory Alloys by Types in 2017

Figure Nickel-Titanium Picture

Table Major Manufacturers of Nickel-Titanium

Figure Copper Based Picture

Table Major Manufacturers of Copper Based

Figure Fe Based Picture

Table Major Manufacturers of Fe Based

Figure Other Picture

Table Major Manufacturers of Other

Figure Shape Memory Alloys Sales Market Share by Applications in 2017

Figure Medical applications Picture

Figure Aircraft Applications Picture

Figure Automotive Picture

Figure Home Appliance Picture

Figure Other Picture

Figure United States Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Figure Canada Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Figure Mexico Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Figure Germany Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Figure France Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Figure UK Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Figure Russia Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Figure Italy Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Figure China Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Figure Japan Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Figure Korea Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Figure India Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Figure Southeast Asia Shape Memory Alloys Revenue (Value) and Growth Rate

(2013-2023)

Figure Brazil Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Figure Egypt Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Figure Saudi Arabia Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Figure South Africa Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Figure Nigeria Shape Memory Alloys Revenue (Value) and Growth Rate (2013-2023)

Table Nitinol Devices & Components Headquarter, Established, Main Business and Finance Overview (2017)

Table Nitinol Devices & Components Shape Memory Alloys Production Bases, Sales Regions and Major Competitors

Table Nitinol Devices & Components Shape Memory Alloys Product

Table Nitinol Devices & Components Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Nitinol Devices & Components Shape Memory Alloys Sales Market Share in 2017

Figure Global Nitinol Devices & Components Shape Memory Alloys Revenue Market Share in 2017

Table SAES Getters Headquarter, Established, Main Business and Finance Overview (2017)

Table SAES Getters Shape Memory Alloys Production Bases, Sales Regions and Major Competitors

Table SAES Getters Shape Memory Alloys Product

Table SAES Getters Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global SAES Getters Shape Memory Alloys Sales Market Share in 2017

Figure Global SAES Getters Shape Memory Alloys Revenue Market Share in 2017

Table G.RAU GmbH & Co. KG Headquarter, Established, Main Business and Finance Overview (2017)

Table G.RAU GmbH & Co. KG Shape Memory Alloys Production Bases, Sales Regions and Major Competitors

Table G.RAU GmbH & Co. KG Shape Memory Alloys Product

Table G.RAU GmbH & Co. KG Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global G.RAU GmbH & Co. KG Shape Memory Alloys Sales Market Share in 2017

Figure Global G.RAU GmbH & Co. KG Shape Memory Alloys Revenue Market Share in 2017

Table ATI Wah-chang Headquarter, Established, Main Business and Finance Overview (2017)

Table ATI Wah-chang Shape Memory Alloys Production Bases, Sales Regions and Major Competitors

Table ATI Wah-chang Shape Memory Alloys Product

Table ATI Wah-chang Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global ATI Wah-chang Shape Memory Alloys Sales Market Share in 2017

Figure Global ATI Wah-chang Shape Memory Alloys Revenue Market Share in 2017

Table Johnson Matthey Headquarter, Established, Main Business and Finance Overview (2017)

Table Johnson Matthey Shape Memory Alloys Production Bases, Sales Regions and Major Competitors

Table Johnson Matthey Shape Memory Alloys Product

Table Johnson Matthey Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Johnson Matthey Shape Memory Alloys Sales Market Share in 2017

Figure Global Johnson Matthey Shape Memory Alloys Revenue Market Share in 2017

Table Fort Wayne Metals Headquarter, Established, Main Business and Finance Overview (2017)

Table Fort Wayne Metals Shape Memory Alloys Production Bases, Sales Regions and Major Competitors

Table Fort Wayne Metals Shape Memory Alloys Product

Table Fort Wayne Metals Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Fort Wayne Metals Shape Memory Alloys Sales Market Share in 2017

Figure Global Fort Wayne Metals Shape Memory Alloys Revenue Market Share in 2017

Table Furukawa Electric Headquarter, Established, Main Business and Finance Overview (2017)

Table Furukawa Electric Shape Memory Alloys Production Bases, Sales Regions and Major Competitors

Table Furukawa Electric Shape Memory Alloys Product

Table Furukawa Electric Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Furukawa Electric Shape Memory Alloys Sales Market Share in 2017

Figure Global Furukawa Electric Shape Memory Alloys Revenue Market Share in 2017

Table Nippon Steel & Sumitomo Metal Headquarter, Established, Main Business and Finance Overview (2017)

Table Nippon Steel & Sumitomo Metal Shape Memory Alloys Production Bases, Sales

## Regions and Major Competitors

Table Nippon Steel & Sumitomo Metal Shape Memory Alloys Product

Table Nippon Steel & Sumitomo Metal Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Nippon Steel & Sumitomo Metal Shape Memory Alloys Sales Market Share in 2017

Figure Global Nippon Steel & Sumitomo Metal Shape Memory Alloys Revenue Market Share in 2017

Table Nippon Seisen Headquarter, Established, Main Business and Finance Overview (2017)

Table Nippon Seisen Shape Memory Alloys Production Bases, Sales Regions and Major Competitors

Table Nippon Seisen Shape Memory Alloys Product

Table Nippon Seisen Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Nippon Seisen Shape Memory Alloys Sales Market Share in 2017

Figure Global Nippon Seisen Shape Memory Alloys Revenue Market Share in 2017

Table Metalwerks PMD Headquarter, Established, Main Business and Finance Overview (2017)

Table Metalwerks PMD Shape Memory Alloys Production Bases, Sales Regions and Major Competitors

Table Metalwerks PMD Shape Memory Alloys Product

Table Metalwerks PMD Shape Memory Alloys Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Metalwerks PMD Shape Memory Alloys Sales Market Share in 2017

Figure Global Metalwerks PMD Shape Memory Alloys Revenue Market Share in 2017

Table Ultimate NiTi Technologies

Table Ultimate NiTi Technologies Shape Memory Alloys

Table Dynalloy

Table Dynalloy Shape Memory Alloys

Table Grikin

Table Grikin Shape Memory Alloys

Table PEIER Tech

Table PEIER Tech Shape Memory Alloys

Table Saite Metal

Table Saite Metal Shape Memory Alloys

Table Smart

Table Smart Shape Memory Alloys

Table Baoji Seabird Metal

Table Baoji Seabird Metal Shape Memory Alloys

Table GEE

Table GEE Shape Memory Alloys

Table Global Shape Memory Alloys Sales by Manufacturer (2016-2017)

Figure Global Shape Memory Alloys Sales Market Share by Manufacturer in 2016

Figure Global Shape Memory Alloys Sales Market Share by Manufacturer in 2017

Table Global Shape Memory Alloys Revenue by Manufacturer (2016-2017)

Figure Global Shape Memory Alloys Revenue Market Share by Manufacturer in 2016

Figure Global Shape Memory Alloys Revenue Market Share by Manufacturer in 2017

Table Global Shape Memory Alloys Price by Manufacturer (2016-2017)

Figure Top 3 Shape Memory Alloys Manufacturer (Revenue) Market Share in 2017

Figure Top 6 Shape Memory Alloys Manufacturer (Revenue) Market Share in 2017

Figure Global Shape Memory Alloys Sales and Growth Rate (2013-2018)

Figure Global Shape Memory Alloys Revenue and Growth Rate (2013-2018)

Table Global Shape Memory Alloys Sales by Regions (2013-2018)

Table Global Shape Memory Alloys Sales Market Share by Regions (2013-2018)

Table Global Shape Memory Alloys Revenue by Regions (2013-2018)

Figure Global Shape Memory Alloys Revenue Market Share by Regions in 2013

Figure Global Shape Memory Alloys Revenue Market Share by Regions in 2017

Figure North America Shape Memory Alloys Sales and Growth Rate (2013-2018)

Figure North America Shape Memory Alloys Revenue and Growth Rate (2013-2018)

Figure Europe Shape Memory Alloys Sales and Growth Rate (2013-2018)

Figure Europe Shape Memory Alloys Revenue and Growth Rate (2013-2018)

Figure Asia-Pacific Shape Memory Alloys Sales and Growth Rate (2013-2018)

Figure Asia-Pacific Shape Memory Alloys Revenue and Growth Rate (2013-2018)

Figure South America Shape Memory Alloys Sales and Growth Rate (2013-2018)

Figure South America Shape Memory Alloys Revenue and Growth Rate (2013-2018)

Figure Middle East and Africa Shape Memory Alloys Sales and Growth Rate (2013-2018)

Figure Middle East and Africa Shape Memory Alloys Revenue and Growth Rate (2013-2018)

Figure North America Shape Memory Alloys Revenue and Growth Rate (2013-2018)

Table North America Shape Memory Alloys Sales by Countries (2013-2018)

Table North America Shape Memory Alloys Sales Market Share by Countries (2013-2018)

Figure North America Shape Memory Alloys Sales Market Share by Countries in 2013

Figure North America Shape Memory Alloys Sales Market Share by Countries in 2017

Table North America Shape Memory Alloys Revenue by Countries (2013-2018)

Table North America Shape Memory Alloys Revenue Market Share by Countries

(2013-2018)

Figure North America Shape Memory Alloys Revenue Market Share by Countries in 2013

Figure North America Shape Memory Alloys Revenue Market Share by Countries in 2017

Figure United States Shape Memory Alloys Sales and Growth Rate (2013-2018)

Figure Canada Shape Memory Alloys Sales and Growth Rate (2013-2018)

Figure Mexico Shape Memory Alloys Sales and Growth Rate (2013-2018)

Table North America Shape Memory Alloys Sales by Manufacturer (2016-2017)

Figure North America Shape Memory Alloys Sales Market Share by Manufacturer in 2016

Figure North America Shape Memory Alloys Sales Market Share by Manufacturer in 2017

Table North America Shape Memory Alloys Revenue by Manufacturer (2016-2017)

Figure North America Shape Memory Alloys Revenue Market Share by Manufacturer in 2016

Figure North America Shape Memory Alloys Revenue Market Share by Manufacturer in 2017

Table North America Shape Memory Alloys Sales by Type (2013-2018)

Table North America Shape Memory Alloys Sales Share by Type (2013-2018)

Table North America Shape Memory Alloys Revenue by Type (2013-2018)

Table North America Shape Memory Alloys Revenue Share by Type (2013-2018)

Table North America Shape Memory Alloys Sales by Application (2013-2018)

Table North America Shape Memory Alloys Sales Share by Application (2013-2018)

Table North America Shape Memory Alloys Revenue by Application (2013-2018)

Table North America Shape Memory Alloys Revenue Share by Application (2013-2018)

Figure Europe Shape Memory Alloys Revenue and Growth Rate (2013-2018)

Table Europe Shape Memory Alloys Sales by Countries (2013-2018)

Table Europe Shape Memory Alloys Sales Market Share by Countries (2013-2018)

Table Europe Shape Memory Alloys Revenue by Countries (2013-2018)

Figure Europe Shape Memory Alloys Revenue Market Share by Countries in 2016

Figure Europe Shape Memory Alloys Revenue Market Share by Countries in 2017

Figure Germany Shape Memory Alloys Sales and Growth Rate (2013-2018)

Figure UK Shape Memory Alloys Sales and Growth Rate (2013-2018)

Figure France Shape Memory Alloys Sales and Growth Rate (2013-2018)

Figure Russia Shape Memory Alloys Sales and Growth Rate (2013-2018)

Figure Italy Shape Memory Alloys Sales and Growth Rate (2013-2018)

Table Europe Shape Memory Alloys Sales by Manufacturer (2016-2017)

Figure Europe Shape Memory Alloys Sales Market Share by Manufacturer in 2016

Figure Europe Shape Memory Alloys Sales Market Share by Manufacturer in 2017  
Table Europe Shape Memory Alloys Revenue by Manufacturer (2016-2017)  
Figure Europe Shape Memory Alloys Revenue Market Share by Manufacturer in 2016  
Figure Europe Shape Memory Alloys Revenue Market Share by Manufacturer in 2017  
Table Europe Shape Memory Alloys Sales by Type (2013-2018)  
Table Europe Shape Memory Alloys Sales Share by Type (2013-2018)  
Table Europe Shape Memory Alloys Revenue by Type (2013-2018)  
Table Europe Shape Memory Alloys Revenue Share by Type (2013-2018)  
Table Europe Shape Memory Alloys Sales by Application (2013-2018)  
Table Europe Shape Memory Alloys Sales Share by Application (2013-2018)  
Table Europe Shape Memory Alloys Revenue by Application (2013-2018)  
Table Europe Shape Memory Alloys Revenue Share by Application (2013-2018)  
Figure Asia-Pacific Shape Memory Alloys Revenue and Growth Rate (2013-2018)  
Table Asia-Pacific Shape Memory Alloys Sales by Countries (2013-2018)  
Table Asia-Pacific Shape Memory Alloys Sales Market Share by Countries (2013-2018)  
Figure Asia-Pacific Shape Memory Alloys Sales Market Share by Countries 2017  
Table Asia-Pacific Shape Memory Alloys Revenue by Countries (2013-2018)  
Figure Asia-Pacific Shape Memory Alloys Revenue Market Share by Countries 2017  
Figure China Shape Memory Alloys Sales and Growth Rate (2013-2018)  
Figure Japan Shape Memory Alloys Sales and Growth Rate (2013-2018)  
Figure Korea Shape Memory Alloys Sales and Growth Rate (2013-2018)  
Figure India Shape Memory Alloys Sales and Growth Rate (2013-2018)  
Figure Southeast Asia Shape Memory Alloys Sales and Growth Rate (2013-2018)  
Table Asia-Pacific Shape Memory Alloys Sales by Manufacturer (2016-2017)  
Figure Asia-Pacific Shape Memory Alloys Sales Market Share by Manufacturer in 2016  
Figure Asia-Pacific Shape Memory Alloys Sales Market Share by Manufacturer in 2017  
Table Asia-Pacific Shape Memory Alloys Revenue by Manufacturer (2016-2017)  
Figure Asia-Pacific Shape Memory Alloys Revenue Market Share by Manufacturer in 2016  
Figure Asia-Pacific Shape Memory Alloys Revenue Market Share by Manufacturer in 2017  
Table Asia-Pacific Shape Memory Alloys Sales by Type (2013-2018)  
Table Asia-Pacific Shape Memory Alloys Sales Share by Type (2013-2018)  
Table Asia-Pacific Shape Memory Alloys Revenue by Type (2013-2018)  
Table Asia-Pacific Shape Memory Alloys Revenue Share by Type (2013-2018)  
Table Asia-Pacific Shape Memory Alloys Sales by Application (2013-2018)  
Table Asia-Pacific Shape Memory Alloys Sales Share by Application (2013-2018)  
Table Asia-Pacific Shape Memory Alloys Revenue by Application (2013-2018)  
Table Asia-Pacific Shape Memory Alloys Revenue Share by Application (2013-2018)



Figure South America Shape Memory Alloys Revenue and Growth Rate (2013-2018)

Table South America Shape Memory Alloys Sales by Countries (2013-2018)

Table South America Shape Memory Alloys Sales Market Share by Countries (2013-2018)

Figure South America Shape Memory Alloys Sales Market Share by Countries in 2017

Table South America Shape Memory Alloys Revenue by Countries (2013-2018)

Table South America Shape Memory Alloys Revenue Market Share by Countries (2013-2018)

Figure South America Shape Memory Alloys Revenue Market Share by Countries in 2017

Figure Brazil Shape Memory Alloys Sales and Growth Rate (2013-2018)

Figure Argentina Shape Memory Alloys Sales and Growth Rate (2013-2018)

Figure Colombia Shape Memory Alloys Sales and Growth Rate (2013-2018)

Table South America Shape Memory Alloys Sales by Manufacturer (2016-2017)

Figure South America Shape Memory Alloys Sales Market Share by Manufacturer in 2016

Figure South America Shape Memory Alloys Sales Market Share by Manufacturer in 2017

Table South America Shape Memory Alloys Revenue by Manufacturer (2016-2017)

Figure South America Shape Memory Alloys Revenue Market Share by Manufacturer in 2016

Figure South America Shape Memory Alloys Revenue Market Share by Manufacturer in 2017

Table South America Shape Memory Alloys Sales by Type (2013-2018)

Table South America Shape Memory Alloys Sales Share by Type (2013-2018)

Table South America Shape Memory Alloys Revenue by Type (2013-2018)

Table South America Shape Memory Alloys Revenue Share by Type (2013-2018)

Table South America Shape Memory Alloys Sales by Application (2013-2018)

Table South America Shape Memory Alloys Sales Share by Application (2013-2018)

Table South America Shape Memory Alloys Revenue by Application (2013-2018)

Table South America Shape Memory Alloys Revenue Share by Application (2013-2018)

Figure Middle East and Africa Shape Memory Alloys Revenue and Growth Rate (2013-2018)

Table Middle East and Africa Shape Memory Alloys Sales by Countries (2013-2018)

Table Middle East and Africa Shape Memory Alloys Sales Market Share by Countries (2013-2018)

Figure Middle East and Africa Shape Memory Alloys Sales Market Share by Countries in 2017

Table Middle East and Africa Shape Memory Alloys Revenue by Countries (2013-2018)

Table Middle East and Africa Shape Memory Alloys Revenue Market Share by Countries (2013-2018)  
Figure Middle East and Africa Shape Memory Alloys Revenue Market Share by Countries in 2013  
Figure Middle East and Africa Shape Memory Alloys Revenue Market Share by Countries in 2017  
Figure Saudi Arabia Shape Memory Alloys Sales and Growth Rate (2013-2018)  
Figure UAE Shape Memory Alloys Sales and Growth Rate (2013-2018)  
Figure Egypt Shape Memory Alloys Sales and Growth Rate (2013-2018)  
Figure Nigeria Shape Memory Alloys Sales and Growth Rate (2013-2018)  
Figure South Africa Shape Memory Alloys Sales and Growth Rate (2013-2018)  
Table Middle East and Africa Shape Memory Alloys Sales by Manufacturer (2016-2017)  
Figure Middle East and Africa Shape Memory Alloys Sales Market Share by Manufacturer in 2016  
Figure Middle East and Africa Shape Memory Alloys Sales Market Share by Manufacturer in 2017  
Table Middle East and Africa Shape Memory Alloys Revenue by Manufacturer (2016-2017)  
Figure Middle East and Africa Shape Memory Alloys Revenue Market Share by Manufacturer in 2016  
Figure Middle East and Africa Shape Memory Alloys Revenue Market Share by Manufacturer in 2017  
Table Middle East and Africa Shape Memory Alloys Sales by Type (2013-2018)  
Table Middle East and Africa Shape Memory Alloys Sales Share by Type (2013-2018)  
Table Middle East and Africa Shape Memory Alloys Revenue by Type (2013-2018)  
Table Middle East and Africa Shape Memory Alloys Revenue Share by Type (2013-2018)  
Table Middle East and Africa Shape Memory Alloys Sales by Application (2013-2018)  
Table Middle East and Africa Shape Memory Alloys Sales Share by Application (2013-2018)  
Table Middle East and Africa Shape Memory Alloys Revenue by Application (2013-2018)  
Table Middle East and Africa Shape Memory Alloys Revenue Share by Application (2013-2018)  
Table Global Shape Memory Alloys Sales by Type (2013-2018)  
Table Global Shape Memory Alloys Sales Share by Type (2013-2018)  
Table Global Shape Memory Alloys Revenue by Type (2013-2018)  
Table Global Shape Memory Alloys Revenue Share by Type (2013-2018)  
Figure Global Nickel-Titanium Sales Growth (2013-2018)

Figure Global Nickel-Titanium Price (2013-2018)  
Figure Global Copper Based Sales Growth (2013-2018)  
Figure Global Copper Based Price (2013-2018)  
Figure Global Fe Based Sales Growth (2013-2018)  
Figure Global Fe Based Price (2013-2018)  
Figure Global Other Sales Growth (2013-2018)  
Figure Global Other Price (2013-2018)  
Table Global Shape Memory Alloys Sales by Application (2013-2018)  
Table Global Shape Memory Alloys Sales Share by Application (2013-2018)  
Figure Global Medical applications Sales Growth (2013-2018)  
Figure Global Aircraft Applications Sales Growth (2013-2018)  
Figure Global Automotive Sales Growth (2013-2018)  
Figure Global Home Appliance Sales Growth (2013-2018)  
Figure Global Other Sales Growth (2013-2018)  
Figure Global Shape Memory Alloys Sales, Revenue and Growth Rate (2018-2023)  
Table Global Shape Memory Alloys Sales Forecast by Regions (2018-2023)  
Table Global Shape Memory Alloys Market Share Forecast by Regions (2018-2023)  
Figure North America Sales Shape Memory Alloys Market Forecast (2018-2023)  
Figure Europe Sales Shape Memory Alloys Market Forecast (2018-2023)  
Figure Asia-Pacific Sales Shape Memory Alloys Market Forecast (2018-2023)  
Figure South America Sales Shape Memory Alloys Market Forecast (2018-2023)  
Figure Middle East and Africa Sales Shape Memory Alloys Market Forecast (2018-2023)  
Table Global Shape Memory Alloys Sales Forecast by Type (2018-2023)  
Table Global Shape Memory Alloys Market Share Forecast by Type (2018-2023)  
Table Global Shape Memory Alloys Sales Forecast by Application (2018-2023)  
Table Global Shape Memory Alloys Market Share Forecast by Application (2018-2023)  
Table Distributors/Traders/ Dealers List

## I would like to order

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

Product link: <https://marketpublishers.com/r/GF0B74B98A0EN.html>

Price: US\$ 4,880.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GF0B74B98A0EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

