

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

<https://marketpublishers.com/r/GBB4D8AA5C4EN.html>

Date: August 2018

Pages: 128

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

ID: GBB4D8AA5C4EN

## Abstracts

This report studies the Thermal Management market, Thermal management is the ability to control the temperature and noise level of a system by means of technology based on thermodynamics and heat transfer. Advancements in the electronics industry have led to an increased need for innovative thermal management technologies to improve the system performance and reliability by removing high heat flux generated in the electronic devices.

### SCOPE OF THE REPORT:

This report focuses on the Thermal Management 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. In application, Thermal Management downstream is wide and recently Thermal Management has acquired increasing significance in various fields of Automotive, Aerospace and Defense, Servers and Data Centers, Consumer Electronics and others. Globally, the Thermal Management market is mainly driven by growing demand for Automotive which accounts for nearly 85% of total downstream consumption of Thermal Management.

In the future, global market is expected to witness significant growth on account of rising applications, so in the next few years, Thermal Management production will show a trend of steady growth. In 2024 the production of Thermal Management is estimated to be 133958 K Units.

The worldwide market for Thermal Management is expected to grow at a CAGR of roughly 5.0% over the next five years, will reach 69600 million US\$ in 2023, from 52000

million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

DENSO

Valeo

MAHLE

Hanon Systems

Honeywell

Vertiv

Gentherm

Delta

Laird

Boyd Corporation

Heatex

European Thermodynamics

Advanced Cooling Technologies

Dau Thermal Solutions

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

Conduction Cooling Devices

Convection Cooling Devices

Hybrid Cooling Devices

Others

Market Segment by Applications, can be divided into

Automotive

Aerospace and Defense

Servers and Data Centers

Consumer Electronics

Medical Equipment

There are 15 Chapters to deeply display the global Thermal Management market.

Chapter 1, to describe Thermal Management Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Thermal Management, with sales, revenue, and price of Thermal Management, 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 Thermal Management, 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, Thermal Management market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Thermal Management sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

## Contents

### 1 MARKET OVERVIEW

- 1.1 Thermal Management Introduction
- 1.2 Market Analysis by Type
  - 1.2.1 Conduction Cooling Devices
  - 1.2.2 Convection Cooling Devices
  - 1.2.3 Hybrid Cooling Devices
  - 1.2.4 Others
- 1.3 Market Analysis by Applications
  - 1.3.1 Automotive
  - 1.3.2 Aerospace and Defense
  - 1.3.3 Servers and Data Centers
  - 1.3.4 Consumer Electronics
  - 1.3.5 Medical Equipment
- 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 DENSO

#### 2.1.1 Business Overview

##### 2.1.1.1 DENSO Description

##### 2.1.1.2 DENSO Headquarter, Main Business and Finance Overview

#### 2.1.2 DENSO Thermal Management Product Introduction

##### 2.1.2.1 Thermal Management Production Bases, Sales Regions and Major Competitors

##### 2.1.2.2 Thermal Management Product Information

#### 2.1.3 DENSO Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.1.3.1 DENSO Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.1.3.2 Global DENSO Thermal Management Market Share in 2017

### 2.2 Valeo

#### 2.2.1 Business Overview

##### 2.2.1.1 Valeo Description

##### 2.2.1.2 Valeo Headquarter, Main Business and Finance Overview

#### 2.2.2 Valeo Thermal Management Product Introduction

##### 2.2.2.1 Thermal Management Production Bases, Sales Regions and Major Competitors

##### 2.2.2.2 Thermal Management Product Information

#### 2.2.3 Valeo Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.2.3.1 Valeo Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.2.3.2 Global Valeo Thermal Management Market Share in 2017

### 2.3 MAHLE

#### 2.3.1 Business Overview

##### 2.3.1.1 MAHLE Description

##### 2.3.1.2 MAHLE Headquarter, Main Business and Finance Overview

#### 2.3.2 MAHLE Thermal Management Product Introduction

##### 2.3.2.1 Thermal Management Production Bases, Sales Regions and Major

## Competitors

### 2.3.2.2 Thermal Management Product Information

### 2.3.3 MAHLE Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.3.3.1 MAHLE Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.3.3.2 Global MAHLE Thermal Management Market Share in 2017

## 2.4 Hanon Systems

### 2.4.1 Business Overview

#### 2.4.1.1 Hanon Systems Description

#### 2.4.1.2 Hanon Systems Headquarter, Main Business and Finance Overview

### 2.4.2 Hanon Systems Thermal Management Product Introduction

#### 2.4.2.1 Thermal Management Production Bases, Sales Regions and Major

## Competitors

### 2.4.2.2 Thermal Management Product Information

### 2.4.3 Hanon Systems Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.4.3.1 Hanon Systems Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.4.3.2 Global Hanon Systems Thermal Management Market Share in 2017

## 2.5 Honeywell

### 2.5.1 Business Overview

#### 2.5.1.1 Honeywell Description

#### 2.5.1.2 Honeywell Headquarter, Main Business and Finance Overview

### 2.5.2 Honeywell Thermal Management Product Introduction

#### 2.5.2.1 Thermal Management Production Bases, Sales Regions and Major

## Competitors

### 2.5.2.2 Thermal Management Product Information

### 2.5.3 Honeywell Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.5.3.1 Honeywell Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.5.3.2 Global Honeywell Thermal Management Market Share in 2017

## 2.6 Vertiv

### 2.6.1 Business Overview

#### 2.6.1.1 Vertiv Description

#### 2.6.1.2 Vertiv Headquarter, Main Business and Finance Overview

### 2.6.2 Vertiv Thermal Management Product Introduction

#### 2.6.2.1 Thermal Management Production Bases, Sales Regions and Major

## Competitors

### 2.6.2.2 Thermal Management Product Information

### 2.6.3 Vertiv Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.6.3.1 Vertiv Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.6.3.2 Global Vertiv Thermal Management Market Share in 2017

## 2.7 Gentherm

### 2.7.1 Business Overview

#### 2.7.1.1 Gentherm Description

#### 2.7.1.2 Gentherm Headquarter, Main Business and Finance Overview

### 2.7.2 Gentherm Thermal Management Product Introduction

#### 2.7.2.1 Thermal Management Production Bases, Sales Regions and Major Competitors

#### 2.7.2.2 Thermal Management Product Information

### 2.7.3 Gentherm Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.7.3.1 Gentherm Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.7.3.2 Global Gentherm Thermal Management Market Share in 2017

## 2.8 Delta

### 2.8.1 Business Overview

#### 2.8.1.1 Delta Description

#### 2.8.1.2 Delta Headquarter, Main Business and Finance Overview

### 2.8.2 Delta Thermal Management Product Introduction

#### 2.8.2.1 Thermal Management Production Bases, Sales Regions and Major Competitors

#### 2.8.2.2 Thermal Management Product Information

### 2.8.3 Delta Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.8.3.1 Delta Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.8.3.2 Global Delta Thermal Management Market Share in 2017

## 2.9 Laird

### 2.9.1 Business Overview

#### 2.9.1.1 Laird Description

#### 2.9.1.2 Laird Headquarter, Main Business and Finance Overview

### 2.9.2 Laird Thermal Management Product Introduction

#### 2.9.2.1 Thermal Management Production Bases, Sales Regions and Major



## Competitors

### 2.9.2.2 Thermal Management Product Information

### 2.9.3 Laird Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.9.3.1 Laird Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.9.3.2 Global Laird Thermal Management Market Share in 2017

## 2.10 Boyd Corporation

### 2.10.1 Business Overview

#### 2.10.1.1 Boyd Corporation Description

#### 2.10.1.2 Boyd Corporation Headquarter, Main Business and Finance Overview

### 2.10.2 Boyd Corporation Thermal Management Product Introduction

#### 2.10.2.1 Thermal Management Production Bases, Sales Regions and Major

## Competitors

### 2.10.2.2 Thermal Management Product Information

### 2.10.3 Boyd Corporation Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.10.3.1 Boyd Corporation Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.10.3.2 Global Boyd Corporation Thermal Management Market Share in 2017

## 2.11 Heatex

### 2.11.1 Business Overview

### 2.11.2 Heatex Thermal Management Product Introduction

### 2.11.3 Heatex Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.12 European Thermodynamics

### 2.12.1 Business Overview

### 2.12.2 European Thermodynamics Thermal Management Product Introduction

### 2.12.3 European Thermodynamics Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.13 Advanced Cooling Technologies

### 2.13.1 Business Overview

### 2.13.2 Advanced Cooling Technologies Thermal Management Product Introduction

### 2.13.3 Advanced Cooling Technologies Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.14 Dau Thermal Solutions

### 2.14.1 Business Overview

### 2.14.2 Dau Thermal Solutions Thermal Management Product Introduction

### 2.14.3 Dau Thermal Solutions Thermal Management Sales, Price, Revenue, Gross

Margin and Market Share (2016-2017)

### **3 GLOBAL THERMAL MANAGEMENT MARKET COMPETITION, BY MANUFACTURER**

- 3.1 Global Thermal Management Sales and Market Share by Manufacturer (2016-2017)
- 3.2 Global Thermal Management Revenue and Market Share by Manufacturer (2016-2017)
- 3.3 Global Thermal Management Price by Manufacturer (2016-2017)
- 3.4 Market Concentration Rate
  - 3.4.1 Top 3 Thermal Management Manufacturer Market Share in 2017
  - 3.4.2 Top 5 Thermal Management Manufacturer Market Share in 2017
- 3.5 Market Competition Trend

### **4 GLOBAL THERMAL MANAGEMENT MARKET ANALYSIS BY REGIONS**

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

### **5 NORTH AMERICA THERMAL MANAGEMENT BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

- 5.1 North America Thermal Management Sales, Revenue and Market Share by Countries
  - 5.1.1 North America Thermal Management Sales by Countries (2013-2018)
  - 5.1.2 North America Thermal Management Revenue by Countries (2013-2018)
  - 5.1.3 United States Thermal Management Sales and Growth Rate (2013-2018)
  - 5.1.4 Canada Thermal Management Sales and Growth Rate (2013-2018)
  - 5.1.5 Mexico Thermal Management Sales and Growth Rate (2013-2018)
- 5.2 North America Thermal Management Sales and Revenue (Value) by Manufacturers

(2016-2017)

5.2.1 North America Thermal Management Sales by Manufacturers (2016-2017)

5.2.2 North America Thermal Management Revenue by Manufacturers (2016-2017)

5.3 North America Thermal Management Sales, Revenue and Market Share by Type (2013-2018)

5.3.1 North America Thermal Management Sales and Sales Share by Type (2013-2018)

5.3.2 North America Thermal Management Revenue and Revenue Share by Type (2013-2018)

5.4 North America Thermal Management Sales, Revenue and Market Share by Application (2013-2018)

5.4.1 North America Thermal Management Sales and Sales Share by Application (2013-2018)

5.4.2 North America Thermal Management Revenue and Revenue Share by Application (2013-2018)

## **6 EUROPE THERMAL MANAGEMENT BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

6.1 Europe Thermal Management Sales, Revenue and Market Share by Countries

6.1.1 Europe Thermal Management Sales by Countries (2013-2018)

6.1.2 Europe Thermal Management Revenue by Countries (2013-2018)

6.1.3 Germany Thermal Management Sales and Growth Rate (2013-2018)

6.1.4 UK Thermal Management Sales and Growth Rate (2013-2018)

6.1.5 France Thermal Management Sales and Growth Rate (2013-2018)

6.1.6 Russia Thermal Management Sales and Growth Rate (2013-2018)

6.1.7 Italy Thermal Management Sales and Growth Rate (2013-2018)

6.2 Europe Thermal Management Sales and Revenue (Value) by Manufacturers (2016-2017)

6.2.1 Europe Thermal Management Sales by Manufacturers (2016-2017)

6.2.2 Europe Thermal Management Revenue by Manufacturers (2016-2017)

6.3 Europe Thermal Management Sales, Revenue and Market Share by Type (2013-2018)

6.3.1 Europe Thermal Management Sales and Sales Share by Type (2013-2018)

6.3.2 Europe Thermal Management Revenue and Revenue Share by Type (2013-2018)

6.4 Europe Thermal Management Sales, Revenue and Market Share by Application (2013-2018)

6.4.1 Europe Thermal Management Sales and Sales Share by Application

(2013-2018)

6.4.2 Europe Thermal Management Revenue and Revenue Share by Application

(2013-2018)

## **7 ASIA-PACIFIC THERMAL MANAGEMENT BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

7.1 Asia-Pacific Thermal Management Sales, Revenue and Market Share by Countries

7.1.1 Asia-Pacific Thermal Management Sales by Countries (2013-2018)

7.1.2 Asia-Pacific Thermal Management Revenue by Countries (2013-2018)

7.1.3 China Thermal Management Sales and Growth Rate (2013-2018)

7.1.4 Japan Thermal Management Sales and Growth Rate (2013-2018)

7.1.5 Korea Thermal Management Sales and Growth Rate (2013-2018)

7.1.6 India Thermal Management Sales and Growth Rate (2013-2018)

7.1.7 Southeast Asia Thermal Management Sales and Growth Rate (2013-2018)

7.2 Asia-Pacific Thermal Management Sales and Revenue (Value) by Manufacturers  
(2016-2017)

7.2.1 Asia-Pacific Thermal Management Sales by Manufacturers (2016-2017)

7.2.2 Asia-Pacific Thermal Management Revenue by Manufacturers (2016-2017)

7.3 Asia-Pacific Thermal Management Sales, Revenue and Market Share by Type  
(2013-2018)

7.3.1 Asia-Pacific Thermal Management Sales and Sales Share by Type (2013-2018)

7.3.2 Asia-Pacific Thermal Management Revenue and Revenue Share by Type  
(2013-2018)

7.4 Asia-Pacific Thermal Management Sales, Revenue and Market Share by  
Application (2013-2018)

7.4.1 Asia-Pacific Thermal Management Sales and Sales Share by Application  
(2013-2018)

7.4.2 Asia-Pacific Thermal Management Revenue and Revenue Share by Application  
(2013-2018)

## **8 SOUTH AMERICA THERMAL MANAGEMENT BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

8.1 South America Thermal Management Sales, Revenue and Market Share by  
Countries

8.1.1 South America Thermal Management Sales by Countries (2013-2018)

8.1.2 South America Thermal Management Revenue by Countries (2013-2018)

8.1.3 Brazil Thermal Management Sales and Growth Rate (2013-2018)

- 8.1.4 Argentina Thermal Management Sales and Growth Rate (2013-2018)
- 8.1.5 Colombia Thermal Management Sales and Growth Rate (2013-2018)
- 8.2 South America Thermal Management Sales and Revenue (Value) by Manufacturers (2016-2017)
  - 8.2.1 South America Thermal Management Sales by Manufacturers (2016-2017)
  - 8.2.2 South America Thermal Management Revenue by Manufacturers (2016-2017)
- 8.3 South America Thermal Management Sales, Revenue and Market Share by Type (2013-2018)
  - 8.3.1 South America Thermal Management Sales and Sales Share by Type (2013-2018)
  - 8.3.2 South America Thermal Management Revenue and Revenue Share by Type (2013-2018)
- 8.4 South America Thermal Management Sales, Revenue and Market Share by Application (2013-2018)
  - 8.4.1 South America Thermal Management Sales and Sales Share by Application (2013-2018)
  - 8.4.2 South America Thermal Management Revenue and Revenue Share by Application (2013-2018)

## **9 MIDDLE EAST AND AFRICA THERMAL MANAGEMENT BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

- 9.1 Middle East and Africa Thermal Management Sales, Revenue and Market Share by Countries
  - 9.1.1 Middle East and Africa Thermal Management Sales by Countries (2013-2018)
  - 9.1.2 Middle East and Africa Thermal Management Revenue by Countries (2013-2018)
  - 9.1.3 Saudi Arabia Thermal Management Sales and Growth Rate (2013-2018)
  - 9.1.4 UAE Thermal Management Sales and Growth Rate (2013-2018)
  - 9.1.5 Egypt Thermal Management Sales and Growth Rate (2013-2018)
  - 9.1.6 Nigeria Thermal Management Sales and Growth Rate (2013-2018)
  - 9.1.7 South Africa Thermal Management Sales and Growth Rate (2013-2018)
- 9.2 Middle East and Africa Thermal Management Sales and Revenue (Value) by Manufacturers (2016-2017)
  - 9.2.1 Middle East and Africa Thermal Management Sales by Manufacturers (2016-2017)
  - 9.2.2 Middle East and Africa Thermal Management Revenue by Manufacturers (2016-2017)
- 9.3 Middle East and Africa Thermal Management Sales, Revenue and Market Share by

Type (2013-2018)

9.3.1 Middle East and Africa Thermal Management Sales and Sales Share by Type (2013-2018)

9.3.1 Middle East and Africa Thermal Management Revenue and Revenue Share by Type (2013-2018)

9.4 Middle East and Africa Thermal Management Sales, Revenue and Market Share by Application (2013-2018)

9.4.1 Middle East and Africa Thermal Management Sales and Sales Share by Application (2013-2018)

9.4.2 Middle East and Africa Thermal Management Revenue and Revenue Share by Application (2013-2018)

## **10 GLOBAL THERMAL MANAGEMENT MARKET SEGMENT BY TYPE**

10.1 Global Thermal Management Sales, Revenue and Market Share by Type (2013-2018)

10.1.1 Global Thermal Management Sales and Market Share by Type (2013-2018)

10.1.2 Global Thermal Management Revenue and Market Share by Type (2013-2018)

10.2 Conduction Cooling Devices Sales Growth and Price

10.2.1 Global Conduction Cooling Devices Sales Growth (2013-2018)

10.2.2 Global Conduction Cooling Devices Price (2013-2018)

10.3 Convection Cooling Devices Sales Growth and Price

10.3.1 Global Convection Cooling Devices Sales Growth (2013-2018)

10.3.2 Global Convection Cooling Devices Price (2013-2018)

10.4 Hybrid Cooling Devices Sales Growth and Price

10.4.1 Global Hybrid Cooling Devices Sales Growth (2013-2018)

10.4.2 Global Hybrid Cooling Devices Price (2013-2018)

10.5 Others Sales Growth and Price

10.5.1 Global Others Sales Growth (2013-2018)

10.5.2 Global Others Price (2013-2018)

## **11 GLOBAL THERMAL MANAGEMENT MARKET SEGMENT BY APPLICATION**

11.1 Global Thermal Management Sales Market Share by Application (2013-2018)

11.2 Automotive Sales Growth (2013-2018)

11.3 Aerospace and Defense Sales Growth (2013-2018)

11.4 Servers and Data Centers Sales Growth (2013-2018)

11.5 Consumer Electronics Sales Growth (2013-2018)

11.6 Medical Equipment Sales Growth (2013-2018)



## **12 THERMAL MANAGEMENT MARKET FORECAST (2018-2023)**

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

Table Product Specifications of Thermal Management

Figure Global Thermal Management CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (USD Million)

Figure Global Thermal Management CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (Sales)

Figure Global Sales Market Share of Thermal Management by Types in 2017

Figure Conduction Cooling Devices Picture

Table Major Manufacturers of Conduction Cooling Devices

Figure Convection Cooling Devices Picture

Table Major Manufacturers of Convection Cooling Devices

Figure Hybrid Cooling Devices Picture

Table Major Manufacturers of Hybrid Cooling Devices

Figure Others Picture

Table Major Manufacturers of Others

Figure Thermal Management Sales Market Share by Applications in 2017

Figure Automotive Picture

Figure Aerospace and Defense Picture

Figure Servers and Data Centers Picture

Figure Consumer Electronics Picture

Figure Medical Equipment Picture

Figure United States Thermal Management Revenue (Value) and Growth Rate (2013-2023)

Figure Canada Thermal Management Revenue (Value) and Growth Rate (2013-2023)

Figure Mexico Thermal Management Revenue (Value) and Growth Rate (2013-2023)

Figure Germany Thermal Management Revenue (Value) and Growth Rate (2013-2023)

Figure France Thermal Management Revenue (Value) and Growth Rate (2013-2023)

Figure UK Thermal Management Revenue (Value) and Growth Rate (2013-2023)

Figure Russia Thermal Management Revenue (Value) and Growth Rate (2013-2023)

Figure Italy Thermal Management Revenue (Value) and Growth Rate (2013-2023)

Figure China Thermal Management Revenue (Value) and Growth Rate (2013-2023)

Figure Japan Thermal Management Revenue (Value) and Growth Rate (2013-2023)

Figure Korea Thermal Management Revenue (Value) and Growth Rate (2013-2023)

Figure India Thermal Management Revenue (Value) and Growth Rate (2013-2023)

Figure Southeast Asia Thermal Management Revenue (Value) and Growth Rate



(2013-2023)

Figure Brazil Thermal Management Revenue (Value) and Growth Rate (2013-2023)

Figure Egypt Thermal Management Revenue (Value) and Growth Rate (2013-2023)

Figure Saudi Arabia Thermal Management Revenue (Value) and Growth Rate  
(2013-2023)

Figure South Africa Thermal Management Revenue (Value) and Growth Rate  
(2013-2023)

Figure Nigeria Thermal Management Revenue (Value) and Growth Rate (2013-2023)

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

Table DENSO Thermal Management Production Bases, Sales Regions and Major  
Competitors

Table DENSO Thermal Management Product

Table DENSO Thermal Management Sales, Price, Revenue, Gross Margin and Market  
Share (2016-2017)

Figure Global DENSO Thermal Management Sales Market Share in 2017

Figure Global DENSO Thermal Management Revenue Market Share in 2017

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

Table Valeo Thermal Management Production Bases, Sales Regions and Major  
Competitors

Table Valeo Thermal Management Product

Table Valeo Thermal Management Sales, Price, Revenue, Gross Margin and Market  
Share (2016-2017)

Figure Global Valeo Thermal Management Sales Market Share in 2017

Figure Global Valeo Thermal Management Revenue Market Share in 2017

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

Table MAHLE Thermal Management Production Bases, Sales Regions and Major  
Competitors

Table MAHLE Thermal Management Product

Table MAHLE Thermal Management Sales, Price, Revenue, Gross Margin and Market  
Share (2016-2017)

Figure Global MAHLE Thermal Management Sales Market Share in 2017

Figure Global MAHLE Thermal Management Revenue Market Share in 2017

Table Hanon Systems Headquarter, Established, Main Business and Finance Overview  
(2017)

Table Hanon Systems Thermal Management Production Bases, Sales Regions and  
Major Competitors

Table Hanon Systems Thermal Management Product

Table Hanon Systems Thermal Management Sales, Price, Revenue, Gross Margin and  
Market Share (2016-2017)

Figure Global Hanon Systems Thermal Management Sales Market Share in 2017  
Figure Global Hanon Systems Thermal Management Revenue Market Share in 2017  
Table Honeywell Headquarter, Established, Main Business and Finance Overview (2017)  
Table Honeywell Thermal Management Production Bases, Sales Regions and Major Competitors  
Table Honeywell Thermal Management Product  
Table Honeywell Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Figure Global Honeywell Thermal Management Sales Market Share in 2017  
Figure Global Honeywell Thermal Management Revenue Market Share in 2017  
Table Vertiv Headquarter, Established, Main Business and Finance Overview (2017)  
Table Vertiv Thermal Management Production Bases, Sales Regions and Major Competitors  
Table Vertiv Thermal Management Product  
Table Vertiv Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Figure Global Vertiv Thermal Management Sales Market Share in 2017  
Figure Global Vertiv Thermal Management Revenue Market Share in 2017  
Table Gentherm Headquarter, Established, Main Business and Finance Overview (2017)  
Table Gentherm Thermal Management Production Bases, Sales Regions and Major Competitors  
Table Gentherm Thermal Management Product  
Table Gentherm Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Figure Global Gentherm Thermal Management Sales Market Share in 2017  
Figure Global Gentherm Thermal Management Revenue Market Share in 2017  
Table Delta Headquarter, Established, Main Business and Finance Overview (2017)  
Table Delta Thermal Management Production Bases, Sales Regions and Major Competitors  
Table Delta Thermal Management Product  
Table Delta Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Figure Global Delta Thermal Management Sales Market Share in 2017  
Figure Global Delta Thermal Management Revenue Market Share in 2017  
Table Laird Headquarter, Established, Main Business and Finance Overview (2017)  
Table Laird Thermal Management Production Bases, Sales Regions and Major Competitors

Table Laird Thermal Management Product

Table Laird Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Laird Thermal Management Sales Market Share in 2017

Figure Global Laird Thermal Management Revenue Market Share in 2017

Table Boyd Corporation Headquarter, Established, Main Business and Finance Overview (2017)

Table Boyd Corporation Thermal Management Production Bases, Sales Regions and Major Competitors

Table Boyd Corporation Thermal Management Product

Table Boyd Corporation Thermal Management Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Boyd Corporation Thermal Management Sales Market Share in 2017

Figure Global Boyd Corporation Thermal Management Revenue Market Share in 2017

Table Heatex

Table Heatex Thermal Management

Table European Thermodynamics

Table European Thermodynamics Thermal Management

Table Advanced Cooling Technologies

Table Advanced Cooling Technologies Thermal Management

Table Dau Thermal Solutions

Table Dau Thermal Solutions Thermal Management

Table Global Thermal Management Sales by Manufacturer (2016-2017)

Figure Global Thermal Management Sales Market Share by Manufacturer in 2016

Figure Global Thermal Management Sales Market Share by Manufacturer in 2017

Table Global Thermal Management Revenue by Manufacturer (2016-2017)

Figure Global Thermal Management Revenue Market Share by Manufacturer in 2016

Figure Global Thermal Management Revenue Market Share by Manufacturer in 2017

Table Global Thermal Management Price by Manufacturer (2016-2017)

Figure Top 3 Thermal Management Manufacturer (Revenue) Market Share in 2017

Figure Top 6 Thermal Management Manufacturer (Revenue) Market Share in 2017

Figure Global Thermal Management Sales and Growth Rate (2013-2018)

Figure Global Thermal Management Revenue and Growth Rate (2013-2018)

Table Global Thermal Management Sales by Regions (2013-2018)

Table Global Thermal Management Sales Market Share by Regions (2013-2018)

Table Global Thermal Management Revenue by Regions (2013-2018)

Figure Global Thermal Management Revenue Market Share by Regions in 2013

Figure Global Thermal Management Revenue Market Share by Regions in 2017

Figure North America Thermal Management Sales and Growth Rate (2013-2018)

Figure North America Thermal Management Revenue and Growth Rate (2013-2018)

Figure Europe Thermal Management Sales and Growth Rate (2013-2018)

Figure Europe Thermal Management Revenue and Growth Rate (2013-2018)

Figure Asia-Pacific Thermal Management Sales and Growth Rate (2013-2018)

Figure Asia-Pacific Thermal Management Revenue and Growth Rate (2013-2018)

Figure South America Thermal Management Sales and Growth Rate (2013-2018)

Figure South America Thermal Management Revenue and Growth Rate (2013-2018)

Figure Middle East and Africa Thermal Management Sales and Growth Rate  
(2013-2018)

Figure Middle East and Africa Thermal Management Revenue and Growth Rate  
(2013-2018)

Figure North America Thermal Management Revenue and Growth Rate (2013-2018)

Table North America Thermal Management Sales by Countries (2013-2018)

Table North America Thermal Management Sales Market Share by Countries  
(2013-2018)

Figure North America Thermal Management Sales Market Share by Countries in 2013

Figure North America Thermal Management Sales Market Share by Countries in 2017

Table North America Thermal Management Revenue by Countries (2013-2018)

Table North America Thermal Management Revenue Market Share by Countries  
(2013-2018)

Figure North America Thermal Management Revenue Market Share by Countries in  
2013

Figure North America Thermal Management Revenue Market Share by Countries in  
2017

Figure United States Thermal Management Sales and Growth Rate (2013-2018)

Figure Canada Thermal Management Sales and Growth Rate (2013-2018)

Figure Mexico Thermal Management Sales and Growth Rate (2013-2018)

Table North America Thermal Management Sales by Manufacturer (2016-2017)

Figure North America Thermal Management Sales Market Share by Manufacturer in  
2016

Figure North America Thermal Management Sales Market Share by Manufacturer in  
2017

Table North America Thermal Management Revenue by Manufacturer (2016-2017)

Figure North America Thermal Management Revenue Market Share by Manufacturer in  
2016

Figure North America Thermal Management Revenue Market Share by Manufacturer in  
2017

Table North America Thermal Management Sales by Type (2013-2018)

Table North America Thermal Management Sales Share by Type (2013-2018)

Table North America Thermal Management Revenue by Type (2013-2018)  
Table North America Thermal Management Revenue Share by Type (2013-2018)  
Table North America Thermal Management Sales by Application (2013-2018)  
Table North America Thermal Management Sales Share by Application (2013-2018)  
Table North America Thermal Management Revenue by Application (2013-2018)  
Table North America Thermal Management Revenue Share by Application (2013-2018)  
Figure Europe Thermal Management Revenue and Growth Rate (2013-2018)  
Table Europe Thermal Management Sales by Countries (2013-2018)  
Table Europe Thermal Management Sales Market Share by Countries (2013-2018)  
Table Europe Thermal Management Revenue by Countries (2013-2018)  
Figure Europe Thermal Management Revenue Market Share by Countries in 2016  
Figure Europe Thermal Management Revenue Market Share by Countries in 2017  
Figure Germany Thermal Management Sales and Growth Rate (2013-2018)  
Figure UK Thermal Management Sales and Growth Rate (2013-2018)  
Figure France Thermal Management Sales and Growth Rate (2013-2018)  
Figure Russia Thermal Management Sales and Growth Rate (2013-2018)  
Figure Italy Thermal Management Sales and Growth Rate (2013-2018)  
Table Europe Thermal Management Sales by Manufacturer (2016-2017)  
Figure Europe Thermal Management Sales Market Share by Manufacturer in 2016  
Figure Europe Thermal Management Sales Market Share by Manufacturer in 2017  
Table Europe Thermal Management Revenue by Manufacturer (2016-2017)  
Figure Europe Thermal Management Revenue Market Share by Manufacturer in 2016  
Figure Europe Thermal Management Revenue Market Share by Manufacturer in 2017  
Table Europe Thermal Management Sales by Type (2013-2018)  
Table Europe Thermal Management Sales Share by Type (2013-2018)  
Table Europe Thermal Management Revenue by Type (2013-2018)  
Table Europe Thermal Management Revenue Share by Type (2013-2018)  
Table Europe Thermal Management Sales by Application (2013-2018)  
Table Europe Thermal Management Sales Share by Application (2013-2018)  
Table Europe Thermal Management Revenue by Application (2013-2018)  
Table Europe Thermal Management Revenue Share by Application (2013-2018)  
Figure Asia-Pacific Thermal Management Revenue and Growth Rate (2013-2018)  
Table Asia-Pacific Thermal Management Sales by Countries (2013-2018)  
Table Asia-Pacific Thermal Management Sales Market Share by Countries (2013-2018)  
Figure Asia-Pacific Thermal Management Sales Market Share by Countries 2017  
Table Asia-Pacific Thermal Management Revenue by Countries (2013-2018)  
Figure Asia-Pacific Thermal Management Revenue Market Share by Countries 2017  
Figure China Thermal Management Sales and Growth Rate (2013-2018)  
Figure Japan Thermal Management Sales and Growth Rate (2013-2018)



Figure Korea Thermal Management Sales and Growth Rate (2013-2018)

Figure India Thermal Management Sales and Growth Rate (2013-2018)

Figure Southeast Asia Thermal Management Sales and Growth Rate (2013-2018)

Table Asia-Pacific Thermal Management Sales by Manufacturer (2016-2017)

Figure Asia-Pacific Thermal Management Sales Market Share by Manufacturer in 2016

Figure Asia-Pacific Thermal Management Sales Market Share by Manufacturer in 2017

Table Asia-Pacific Thermal Management Revenue by Manufacturer (2016-2017)

Figure Asia-Pacific Thermal Management Revenue Market Share by Manufacturer in 2016

Figure Asia-Pacific Thermal Management Revenue Market Share by Manufacturer in 2017

Table Asia-Pacific Thermal Management Sales by Type (2013-2018)

Table Asia-Pacific Thermal Management Sales Share by Type (2013-2018)

Table Asia-Pacific Thermal Management Revenue by Type (2013-2018)

Table Asia-Pacific Thermal Management Revenue Share by Type (2013-2018)

Table Asia-Pacific Thermal Management Sales by Application (2013-2018)

Table Asia-Pacific Thermal Management Sales Share by Application (2013-2018)

Table Asia-Pacific Thermal Management Revenue by Application (2013-2018)

Table Asia-Pacific Thermal Management Revenue Share by Application (2013-2018)

Figure South America Thermal Management Revenue and Growth Rate (2013-2018)

Table South America Thermal Management Sales by Countries (2013-2018)

Table South America Thermal Management Sales Market Share by Countries (2013-2018)

Figure South America Thermal Management Sales Market Share by Countries in 2017

Table South America Thermal Management Revenue by Countries (2013-2018)

Table South America Thermal Management Revenue Market Share by Countries (2013-2018)

Figure South America Thermal Management Revenue Market Share by Countries in 2017

Figure Brazil Thermal Management Sales and Growth Rate (2013-2018)

Figure Argentina Thermal Management Sales and Growth Rate (2013-2018)

Figure Colombia Thermal Management Sales and Growth Rate (2013-2018)

Table South America Thermal Management Sales by Manufacturer (2016-2017)

Figure South America Thermal Management Sales Market Share by Manufacturer in 2016

Figure South America Thermal Management Sales Market Share by Manufacturer in 2017

Table South America Thermal Management Revenue by Manufacturer (2016-2017)

Figure South America Thermal Management Revenue Market Share by Manufacturer in

2016

Figure South America Thermal Management Revenue Market Share by Manufacturer in 2017

Table South America Thermal Management Sales by Type (2013-2018)

Table South America Thermal Management Sales Share by Type (2013-2018)

Table South America Thermal Management Revenue by Type (2013-2018)

Table South America Thermal Management Revenue Share by Type (2013-2018)

Table South America Thermal Management Sales by Application (2013-2018)

Table South America Thermal Management Sales Share by Application (2013-2018)

Table South America Thermal Management Revenue by Application (2013-2018)

Table South America Thermal Management Revenue Share by Application (2013-2018)

Figure Middle East and Africa Thermal Management Revenue and Growth Rate (2013-2018)

Table Middle East and Africa Thermal Management Sales by Countries (2013-2018)

Table Middle East and Africa Thermal Management Sales Market Share by Countries (2013-2018)

Figure Middle East and Africa Thermal Management Sales Market Share by Countries in 2017

Table Middle East and Africa Thermal Management Revenue by Countries (2013-2018)

Table Middle East and Africa Thermal Management Revenue Market Share by Countries (2013-2018)

Figure Middle East and Africa Thermal Management Revenue Market Share by Countries in 2013

Figure Middle East and Africa Thermal Management Revenue Market Share by Countries in 2017

Figure Saudi Arabia Thermal Management Sales and Growth Rate (2013-2018)

Figure UAE Thermal Management Sales and Growth Rate (2013-2018)

Figure Egypt Thermal Management Sales and Growth Rate (2013-2018)

Figure Nigeria Thermal Management Sales and Growth Rate (2013-2018)

Figure South Africa Thermal Management Sales and Growth Rate (2013-2018)

Table Middle East and Africa Thermal Management Sales by Manufacturer (2016-2017)

Figure Middle East and Africa Thermal Management Sales Market Share by Manufacturer in 2016

Figure Middle East and Africa Thermal Management Sales Market Share by Manufacturer in 2017

Table Middle East and Africa Thermal Management Revenue by Manufacturer (2016-2017)

Figure Middle East and Africa Thermal Management Revenue Market Share by Manufacturer in 2016

Figure Middle East and Africa Thermal Management Revenue Market Share by Manufacturer in 2017

Table Middle East and Africa Thermal Management Sales by Type (2013-2018)

Table Middle East and Africa Thermal Management Sales Share by Type (2013-2018)

Table Middle East and Africa Thermal Management Revenue by Type (2013-2018)

Table Middle East and Africa Thermal Management Revenue Share by Type (2013-2018)

Table Middle East and Africa Thermal Management Sales by Application (2013-2018)

Table Middle East and Africa Thermal Management Sales Share by Application (2013-2018)

Table Middle East and Africa Thermal Management Revenue by Application (2013-2018)

Table Middle East and Africa Thermal Management Revenue Share by Application (2013-2018)

Table Global Thermal Management Sales by Type (2013-2018)

Table Global Thermal Management Sales Share by Type (2013-2018)

Table Global Thermal Management Revenue by Type (2013-2018)

Table Global Thermal Management Revenue Share by Type (2013-2018)

Figure Global Conduction Cooling Devices Sales Growth (2013-2018)

Figure Global Conduction Cooling Devices Price (2013-2018)

Figure Global Convection Cooling Devices Sales Growth (2013-2018)

Figure Global Convection Cooling Devices Price (2013-2018)

Figure Global Hybrid Cooling Devices Sales Growth (2013-2018)

Figure Global Hybrid Cooling Devices Price (2013-2018)

Figure Global Others Sales Growth (2013-2018)

Figure Global Others Price (2013-2018)

Table Global Thermal Management Sales by Application (2013-2018)

Table Global Thermal Management Sales Share by Application (2013-2018)

Figure Global Automotive Sales Growth (2013-2018)

Figure Global Aerospace and Defense Sales Growth (2013-2018)

Figure Global Servers and Data Centers Sales Growth (2013-2018)

Figure Global Consumer Electronics Sales Growth (2013-2018)

Figure Global Medical Equipment Sales Growth (2013-2018)

Figure Global Thermal Management Sales, Revenue and Growth Rate (2018-2023)

Table Global Thermal Management Sales Forecast by Regions (2018-2023)

Table Global Thermal Management Market Share Forecast by Regions (2018-2023)

Figure North America Sales Thermal Management Market Forecast (2018-2023)

Figure Europe Sales Thermal Management Market Forecast (2018-2023)

Figure Asia-Pacific Sales Thermal Management Market Forecast (2018-2023)



Figure South America Sales Thermal Management Market Forecast (2018-2023)

Figure Middle East and Africa Sales Thermal Management Market Forecast  
(2018-2023)

Table Global Thermal Management Sales Forecast by Type (2018-2023)

Table Global Thermal Management Market Share Forecast by Type (2018-2023)

Table Global Thermal Management Sales Forecast by Application (2018-2023)

Table Global Thermal Management 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)  
Thermal Management Market 2018, Forecast to 2023

Product link: <https://marketpublishers.com/r/GBB4D8AA5C4EN.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/GBB4D8AA5C4EN.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

