

Miniature Thermoelectric Modules (TEM) Market, Global Outlook and Forecast 2022-2028

<https://marketpublishers.com/r/M3863884FD93EN.html>

Date: May 2022

Pages: 127

Price: US\$ 3,250.00 (Single User License)

ID: M3863884FD93EN

Abstracts

Miniature Thermoelectric Module (TEM) is a small and highly reliable thermoelectric cooling chip driven by a small amount of current.

Miniature Thermoelectric Modules (TEM) are products developed to meet the development trend of precise temperature control and device miniaturization.

This report contains market size and forecasts of Miniature Thermoelectric Modules (TEM) in global, including the following market information:

Global Miniature Thermoelectric Modules (TEM) Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Miniature Thermoelectric Modules (TEM) Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Miniature Thermoelectric Modules (TEM) companies in 2021 (%)

The global Miniature Thermoelectric Modules (TEM) market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period 2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Single Stage Miniature Thermoelectric Modules Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Miniature Thermoelectric Modules (TEM) include Ferrotec, KJLP, FUXIN, KELK, Crystal, Thermonamic Electronics, AMS Technologies, TEC Microsystems GmbH and RMT Ltd, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Miniature Thermoelectric Modules (TEM) manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Miniature Thermoelectric Modules (TEM) Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Miniature Thermoelectric Modules (TEM) Market Segment Percentages, by Type, 2021 (%)

Single Stage Miniature Thermoelectric Modules

Multistage Miniature Thermoelectric Modules

Global Miniature Thermoelectric Modules (TEM) Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Miniature Thermoelectric Modules (TEM) Market Segment Percentages, by Application, 2021 (%)

Automotive

Aerospace & Defense

Telecommunications

Medical

Others

Global Miniature Thermoelectric Modules (TEM) Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Miniature Thermoelectric Modules (TEM) Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Miniature Thermoelectric Modules (TEM) revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Miniature Thermoelectric Modules (TEM) revenues share in global

market, 2021 (%)

Key companies Miniature Thermoelectric Modules (TEM) sales in global market, 2017-2022 (Estimated), (K Units)

Key companies Miniature Thermoelectric Modules (TEM) sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Ferrotec

KJLP

FUXIN

KELK

Crystal

Thermonamic Electronics

AMS Technologies

TEC Microsystems GmbH

RMT Ltd

ECOGEN

Custom Thermoelectric

CUI Devices

Hangzhou Aurin

PL Engineering Ltd.

P&N Tech

Wellen Tech

Shenzhen Tecooler technology

Thermoelectric New Energy Technology

Adcol

Mintao

SAGREON

FULIANJING

Contents

1 INTRODUCTION TO RESEARCH & ANALYSIS REPORTS

- 1.1 Miniature Thermoelectric Modules (TEM) Market Definition
- 1.2 Market Segments
 - 1.2.1 Market by Type
 - 1.2.2 Market by Application
- 1.3 Global Miniature Thermoelectric Modules (TEM) Market Overview
- 1.4 Features & Benefits of This Report
- 1.5 Methodology & Sources of Information
 - 1.5.1 Research Methodology
 - 1.5.2 Research Process
 - 1.5.3 Base Year
 - 1.5.4 Report Assumptions & Caveats

2 GLOBAL MINIATURE THERMOELECTRIC MODULES (TEM) OVERALL MARKET SIZE

- 2.1 Global Miniature Thermoelectric Modules (TEM) Market Size: 2021 VS 2028
- 2.2 Global Miniature Thermoelectric Modules (TEM) Revenue, Prospects & Forecasts: 2017-2028
- 2.3 Global Miniature Thermoelectric Modules (TEM) Sales: 2017-2028

3 COMPANY LANDSCAPE

- 3.1 Top Miniature Thermoelectric Modules (TEM) Players in Global Market
- 3.2 Top Global Miniature Thermoelectric Modules (TEM) Companies Ranked by Revenue
- 3.3 Global Miniature Thermoelectric Modules (TEM) Revenue by Companies
- 3.4 Global Miniature Thermoelectric Modules (TEM) Sales by Companies
- 3.5 Global Miniature Thermoelectric Modules (TEM) Price by Manufacturer (2017-2022)
- 3.6 Top 3 and Top 5 Miniature Thermoelectric Modules (TEM) Companies in Global Market, by Revenue in 2021
- 3.7 Global Manufacturers Miniature Thermoelectric Modules (TEM) Product Type
- 3.8 Tier 1, Tier 2 and Tier 3 Miniature Thermoelectric Modules (TEM) Players in Global Market
 - 3.8.1 List of Global Tier 1 Miniature Thermoelectric Modules (TEM) Companies
 - 3.8.2 List of Global Tier 2 and Tier 3 Miniature Thermoelectric Modules (TEM)

Companies

4 SIGHTS BY PRODUCT

4.1 Overview

4.1.1 By Type - Global Miniature Thermoelectric Modules (TEM) Market Size Markets, 2021 & 2028

4.1.2 Single Stage Miniature Thermoelectric Modules

4.1.3 Multistage Miniature Thermoelectric Modules

4.2 By Type - Global Miniature Thermoelectric Modules (TEM) Revenue & Forecasts

4.2.1 By Type - Global Miniature Thermoelectric Modules (TEM) Revenue, 2017-2022

4.2.2 By Type - Global Miniature Thermoelectric Modules (TEM) Revenue, 2023-2028

4.2.3 By Type - Global Miniature Thermoelectric Modules (TEM) Revenue Market Share, 2017-2028

4.3 By Type - Global Miniature Thermoelectric Modules (TEM) Sales & Forecasts

4.3.1 By Type - Global Miniature Thermoelectric Modules (TEM) Sales, 2017-2022

4.3.2 By Type - Global Miniature Thermoelectric Modules (TEM) Sales, 2023-2028

4.3.3 By Type - Global Miniature Thermoelectric Modules (TEM) Sales Market Share, 2017-2028

4.4 By Type - Global Miniature Thermoelectric Modules (TEM) Price (Manufacturers Selling Prices), 2017-2028

5 SIGHTS BY APPLICATION

5.1 Overview

5.1.1 By Application - Global Miniature Thermoelectric Modules (TEM) Market Size, 2021 & 2028

5.1.2 Automotive

5.1.3 Aerospace & Defense

5.1.4 Telecommunications

5.1.5 Medical

5.1.6 Others

5.2 By Application - Global Miniature Thermoelectric Modules (TEM) Revenue & Forecasts

5.2.1 By Application - Global Miniature Thermoelectric Modules (TEM) Revenue, 2017-2022

5.2.2 By Application - Global Miniature Thermoelectric Modules (TEM) Revenue, 2023-2028

5.2.3 By Application - Global Miniature Thermoelectric Modules (TEM) Revenue

Market Share, 2017-2028

5.3 By Application - Global Miniature Thermoelectric Modules (TEM) Sales & Forecasts

5.3.1 By Application - Global Miniature Thermoelectric Modules (TEM) Sales, 2017-2022

5.3.2 By Application - Global Miniature Thermoelectric Modules (TEM) Sales, 2023-2028

5.3.3 By Application - Global Miniature Thermoelectric Modules (TEM) Sales Market Share, 2017-2028

5.4 By Application - Global Miniature Thermoelectric Modules (TEM) Price (Manufacturers Selling Prices), 2017-2028

6 SIGHTS BY REGION

6.1 By Region - Global Miniature Thermoelectric Modules (TEM) Market Size, 2021 & 2028

6.2 By Region - Global Miniature Thermoelectric Modules (TEM) Revenue & Forecasts

6.2.1 By Region - Global Miniature Thermoelectric Modules (TEM) Revenue, 2017-2022

6.2.2 By Region - Global Miniature Thermoelectric Modules (TEM) Revenue, 2023-2028

6.2.3 By Region - Global Miniature Thermoelectric Modules (TEM) Revenue Market Share, 2017-2028

6.3 By Region - Global Miniature Thermoelectric Modules (TEM) Sales & Forecasts

6.3.1 By Region - Global Miniature Thermoelectric Modules (TEM) Sales, 2017-2022

6.3.2 By Region - Global Miniature Thermoelectric Modules (TEM) Sales, 2023-2028

6.3.3 By Region - Global Miniature Thermoelectric Modules (TEM) Sales Market Share, 2017-2028

6.4 North America

6.4.1 By Country - North America Miniature Thermoelectric Modules (TEM) Revenue, 2017-2028

6.4.2 By Country - North America Miniature Thermoelectric Modules (TEM) Sales, 2017-2028

6.4.3 US Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028

6.4.4 Canada Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028

6.4.5 Mexico Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028

6.5 Europe

6.5.1 By Country - Europe Miniature Thermoelectric Modules (TEM) Revenue, 2017-2028

6.5.2 By Country - Europe Miniature Thermoelectric Modules (TEM) Sales, 2017-2028

- 6.5.3 Germany Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028
- 6.5.4 France Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028
- 6.5.5 U.K. Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028
- 6.5.6 Italy Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028
- 6.5.7 Russia Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028
- 6.5.8 Nordic Countries Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028

- 6.5.9 Benelux Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028

6.6 Asia

- 6.6.1 By Region - Asia Miniature Thermoelectric Modules (TEM) Revenue, 2017-2028
- 6.6.2 By Region - Asia Miniature Thermoelectric Modules (TEM) Sales, 2017-2028
- 6.6.3 China Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028
- 6.6.4 Japan Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028
- 6.6.5 South Korea Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028
- 6.6.6 Southeast Asia Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028

- 6.6.7 India Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028

6.7 South America

- 6.7.1 By Country - South America Miniature Thermoelectric Modules (TEM) Revenue, 2017-2028
- 6.7.2 By Country - South America Miniature Thermoelectric Modules (TEM) Sales, 2017-2028
- 6.7.3 Brazil Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028
- 6.7.4 Argentina Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028

6.8 Middle East & Africa

- 6.8.1 By Country - Middle East & Africa Miniature Thermoelectric Modules (TEM) Revenue, 2017-2028
- 6.8.2 By Country - Middle East & Africa Miniature Thermoelectric Modules (TEM) Sales, 2017-2028
- 6.8.3 Turkey Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028
- 6.8.4 Israel Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028
- 6.8.5 Saudi Arabia Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028
- 6.8.6 UAE Miniature Thermoelectric Modules (TEM) Market Size, 2017-2028

7 MANUFACTURERS & BRANDS PROFILES

7.1 Ferrotec

- 7.1.1 Ferrotec Corporate Summary
- 7.1.2 Ferrotec Business Overview

- 7.1.3 Ferrotec Miniature Thermoelectric Modules (TEM) Major Product Offerings
- 7.1.4 Ferrotec Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
- 7.1.5 Ferrotec Key News
- 7.2 KJLP
 - 7.2.1 KJLP Corporate Summary
 - 7.2.2 KJLP Business Overview
 - 7.2.3 KJLP Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.2.4 KJLP Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.2.5 KJLP Key News
- 7.3 FUXIN
 - 7.3.1 FUXIN Corporate Summary
 - 7.3.2 FUXIN Business Overview
 - 7.3.3 FUXIN Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.3.4 FUXIN Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.3.5 FUXIN Key News
- 7.4 KELK
 - 7.4.1 KELK Corporate Summary
 - 7.4.2 KELK Business Overview
 - 7.4.3 KELK Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.4.4 KELK Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.4.5 KELK Key News
- 7.5 Crystal
 - 7.5.1 Crystal Corporate Summary
 - 7.5.2 Crystal Business Overview
 - 7.5.3 Crystal Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.5.4 Crystal Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.5.5 Crystal Key News
- 7.6 Thermonamic Electronics
 - 7.6.1 Thermonamic Electronics Corporate Summary
 - 7.6.2 Thermonamic Electronics Business Overview
 - 7.6.3 Thermonamic Electronics Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.6.4 Thermonamic Electronics Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)

- 7.6.5 Thermonamic Electronics Key News
- 7.7 AMS Technologies
 - 7.7.1 AMS Technologies Corporate Summary
 - 7.7.2 AMS Technologies Business Overview
 - 7.7.3 AMS Technologies Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.7.4 AMS Technologies Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.7.5 AMS Technologies Key News
- 7.8 TEC Microsystems GmbH
 - 7.8.1 TEC Microsystems GmbH Corporate Summary
 - 7.8.2 TEC Microsystems GmbH Business Overview
 - 7.8.3 TEC Microsystems GmbH Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.8.4 TEC Microsystems GmbH Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.8.5 TEC Microsystems GmbH Key News
- 7.9 RMT Ltd
 - 7.9.1 RMT Ltd Corporate Summary
 - 7.9.2 RMT Ltd Business Overview
 - 7.9.3 RMT Ltd Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.9.4 RMT Ltd Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.9.5 RMT Ltd Key News
- 7.10 ECOGEN
 - 7.10.1 ECOGEN Corporate Summary
 - 7.10.2 ECOGEN Business Overview
 - 7.10.3 ECOGEN Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.10.4 ECOGEN Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.10.5 ECOGEN Key News
- 7.11 Custom Thermoelectric
 - 7.11.1 Custom Thermoelectric Corporate Summary
 - 7.11.2 Custom Thermoelectric Miniature Thermoelectric Modules (TEM) Business Overview
 - 7.11.3 Custom Thermoelectric Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.11.4 Custom Thermoelectric Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)

- 7.11.5 Custom Thermoelectric Key News
- 7.12 CUI Devices
 - 7.12.1 CUI Devices Corporate Summary
 - 7.12.2 CUI Devices Miniature Thermoelectric Modules (TEM) Business Overview
 - 7.12.3 CUI Devices Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.12.4 CUI Devices Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.12.5 CUI Devices Key News
- 7.13 Hangzhou Aurin
 - 7.13.1 Hangzhou Aurin Corporate Summary
 - 7.13.2 Hangzhou Aurin Miniature Thermoelectric Modules (TEM) Business Overview
 - 7.13.3 Hangzhou Aurin Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.13.4 Hangzhou Aurin Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.13.5 Hangzhou Aurin Key News
- 7.14 PL Engineering Ltd.
 - 7.14.1 PL Engineering Ltd. Corporate Summary
 - 7.14.2 PL Engineering Ltd. Business Overview
 - 7.14.3 PL Engineering Ltd. Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.14.4 PL Engineering Ltd. Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.14.5 PL Engineering Ltd. Key News
- 7.15 P&N Tech
 - 7.15.1 P&N Tech Corporate Summary
 - 7.15.2 P&N Tech Business Overview
 - 7.15.3 P&N Tech Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.15.4 P&N Tech Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.15.5 P&N Tech Key News
- 7.16 Wellen Tech
 - 7.16.1 Wellen Tech Corporate Summary
 - 7.16.2 Wellen Tech Business Overview
 - 7.16.3 Wellen Tech Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.16.4 Wellen Tech Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.16.5 Wellen Tech Key News
- 7.17 Shenzhen Tecooler technology

- 7.17.1 Shenzhen Tecooler technology Corporate Summary
- 7.17.2 Shenzhen Tecooler technology Business Overview
- 7.17.3 Shenzhen Tecooler technology Miniature Thermoelectric Modules (TEM) Major Product Offerings
- 7.17.4 Shenzhen Tecooler technology Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
- 7.17.5 Shenzhen Tecooler technology Key News
- 7.18 Thermoelectric New Energy Technology
 - 7.18.1 Thermoelectric New Energy Technology Corporate Summary
 - 7.18.2 Thermoelectric New Energy Technology Business Overview
 - 7.18.3 Thermoelectric New Energy Technology Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.18.4 Thermoelectric New Energy Technology Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.18.5 Thermoelectric New Energy Technology Key News
- 7.19 Adcol
 - 7.19.1 Adcol Corporate Summary
 - 7.19.2 Adcol Business Overview
 - 7.19.3 Adcol Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.19.4 Adcol Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.19.5 Adcol Key News
- 7.20 Mintao
 - 7.20.1 Mintao Corporate Summary
 - 7.20.2 Mintao Business Overview
 - 7.20.3 Mintao Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.20.4 Mintao Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.20.5 Mintao Key News
- 7.21 SAGREON
 - 7.21.1 SAGREON Corporate Summary
 - 7.21.2 SAGREON Business Overview
 - 7.21.3 SAGREON Miniature Thermoelectric Modules (TEM) Major Product Offerings
 - 7.21.4 SAGREON Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
 - 7.21.5 SAGREON Key News
- 7.22 FULIANJING
 - 7.22.1 FULIANJING Corporate Summary
 - 7.22.2 FULIANJING Business Overview

- 7.22.3 FULIANJING Miniature Thermoelectric Modules (TEM) Major Product Offerings
- 7.22.4 FULIANJING Miniature Thermoelectric Modules (TEM) Sales and Revenue in Global (2017-2022)
- 7.22.5 FULIANJING Key News

8 GLOBAL MINIATURE THERMOELECTRIC MODULES (TEM) PRODUCTION CAPACITY, ANALYSIS

- 8.1 Global Miniature Thermoelectric Modules (TEM) Production Capacity, 2017-2028
- 8.2 Miniature Thermoelectric Modules (TEM) Production Capacity of Key Manufacturers in Global Market
- 8.3 Global Miniature Thermoelectric Modules (TEM) Production by Region

9 KEY MARKET TRENDS, OPPORTUNITY, DRIVERS AND RESTRAINTS

- 9.1 Market Opportunities & Trends
- 9.2 Market Drivers
- 9.3 Market Restraints

10 MINIATURE THERMOELECTRIC MODULES (TEM) SUPPLY CHAIN ANALYSIS

- 10.1 Miniature Thermoelectric Modules (TEM) Industry Value Chain
- 10.2 Miniature Thermoelectric Modules (TEM) Upstream Market
- 10.3 Miniature Thermoelectric Modules (TEM) Downstream and Clients
- 10.4 Marketing Channels Analysis
 - 10.4.1 Marketing Channels
 - 10.4.2 Miniature Thermoelectric Modules (TEM) Distributors and Sales Agents in Global

11 CONCLUSION

12 APPENDIX

- 12.1 Note
- 12.2 Examples of Clients
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Key Players of Miniature Thermoelectric Modules (TEM) in Global Market

Table 2. Top Miniature Thermoelectric Modules (TEM) Players in Global Market, Ranking by Revenue (2021)

Table 3. Global Miniature Thermoelectric Modules (TEM) Revenue by Companies, (US\$, Mn), 2017-2022

Table 4. Global Miniature Thermoelectric Modules (TEM) Revenue Share by Companies, 2017-2022

Table 5. Global Miniature Thermoelectric Modules (TEM) Sales by Companies, (K Units), 2017-2022

Table 6. Global Miniature Thermoelectric Modules (TEM) Sales Share by Companies, 2017-2022

Table 7. Key Manufacturers Miniature Thermoelectric Modules (TEM) Price (2017-2022) & (US\$/Unit)

Table 8. Global Manufacturers Miniature Thermoelectric Modules (TEM) Product Type

Table 9. List of Global Tier 1 Miniature Thermoelectric Modules (TEM) Companies, Revenue (US\$, Mn) in 2021 and Market Share

Table 10. List of Global Tier 2 and Tier 3 Miniature Thermoelectric Modules (TEM) Companies, Revenue (US\$, Mn) in 2021 and Market Share

Table 11. By Type – Global Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2021 & 2028

Table 12. By Type - Global Miniature Thermoelectric Modules (TEM) Revenue (US\$, Mn), 2017-2022

Table 13. By Type - Global Miniature Thermoelectric Modules (TEM) Revenue (US\$, Mn), 2023-2028

Table 14. By Type - Global Miniature Thermoelectric Modules (TEM) Sales (K Units), 2017-2022

Table 15. By Type - Global Miniature Thermoelectric Modules (TEM) Sales (K Units), 2023-2028

Table 16. By Application – Global Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2021 & 2028

Table 17. By Application - Global Miniature Thermoelectric Modules (TEM) Revenue (US\$, Mn), 2017-2022

Table 18. By Application - Global Miniature Thermoelectric Modules (TEM) Revenue (US\$, Mn), 2023-2028

Table 19. By Application - Global Miniature Thermoelectric Modules (TEM) Sales (K

Units), 2017-2022

Table 20. By Application - Global Miniature Thermoelectric Modules (TEM) Sales (K Units), 2023-2028

Table 21. By Region – Global Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2021 VS 2028

Table 22. By Region - Global Miniature Thermoelectric Modules (TEM) Revenue (US\$, Mn), 2017-2022

Table 23. By Region - Global Miniature Thermoelectric Modules (TEM) Revenue (US\$, Mn), 2023-2028

Table 24. By Region - Global Miniature Thermoelectric Modules (TEM) Sales (K Units), 2017-2022

Table 25. By Region - Global Miniature Thermoelectric Modules (TEM) Sales (K Units), 2023-2028

Table 26. By Country - North America Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2022

Table 27. By Country - North America Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2023-2028

Table 28. By Country - North America Miniature Thermoelectric Modules (TEM) Sales, (K Units), 2017-2022

Table 29. By Country - North America Miniature Thermoelectric Modules (TEM) Sales, (K Units), 2023-2028

Table 30. By Country - Europe Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2022

Table 31. By Country - Europe Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2023-2028

Table 32. By Country - Europe Miniature Thermoelectric Modules (TEM) Sales, (K Units), 2017-2022

Table 33. By Country - Europe Miniature Thermoelectric Modules (TEM) Sales, (K Units), 2023-2028

Table 34. By Region - Asia Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2022

Table 35. By Region - Asia Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2023-2028

Table 36. By Region - Asia Miniature Thermoelectric Modules (TEM) Sales, (K Units), 2017-2022

Table 37. By Region - Asia Miniature Thermoelectric Modules (TEM) Sales, (K Units), 2023-2028

Table 38. By Country - South America Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2022

Table 39. By Country - South America Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2023-2028

Table 40. By Country - South America Miniature Thermoelectric Modules (TEM) Sales, (K Units), 2017-2022

Table 41. By Country - South America Miniature Thermoelectric Modules (TEM) Sales, (K Units), 2023-2028

Table 42. By Country - Middle East & Africa Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2022

Table 43. By Country - Middle East & Africa Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2023-2028

Table 44. By Country - Middle East & Africa Miniature Thermoelectric Modules (TEM) Sales, (K Units), 2017-2022

Table 45. By Country - Middle East & Africa Miniature Thermoelectric Modules (TEM) Sales, (K Units), 2023-2028

Table 46. Ferrotec Corporate Summary

Table 47. Ferrotec Miniature Thermoelectric Modules (TEM) Product Offerings

Table 48. Ferrotec Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)

Table 49. KJLP Corporate Summary

Table 50. KJLP Miniature Thermoelectric Modules (TEM) Product Offerings

Table 51. KJLP Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)

Table 52. FUXIN Corporate Summary

Table 53. FUXIN Miniature Thermoelectric Modules (TEM) Product Offerings

Table 54. FUXIN Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)

Table 55. KELK Corporate Summary

Table 56. KELK Miniature Thermoelectric Modules (TEM) Product Offerings

Table 57. KELK Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)

Table 58. Crystal Corporate Summary

Table 59. Crystal Miniature Thermoelectric Modules (TEM) Product Offerings

Table 60. Crystal Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)

Table 61. Thermonamic Electronics Corporate Summary

Table 62. Thermonamic Electronics Miniature Thermoelectric Modules (TEM) Product Offerings

Table 63. Thermonamic Electronics Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)

- Table 64. AMS Technologies Corporate Summary
- Table 65. AMS Technologies Miniature Thermoelectric Modules (TEM) Product Offerings
- Table 66. AMS Technologies Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)
- Table 67. TEC Microsystems GmbH Corporate Summary
- Table 68. TEC Microsystems GmbH Miniature Thermoelectric Modules (TEM) Product Offerings
- Table 69. TEC Microsystems GmbH Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)
- Table 70. RMT Ltd Corporate Summary
- Table 71. RMT Ltd Miniature Thermoelectric Modules (TEM) Product Offerings
- Table 72. RMT Ltd Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)
- Table 73. ECOGEN Corporate Summary
- Table 74. ECOGEN Miniature Thermoelectric Modules (TEM) Product Offerings
- Table 75. ECOGEN Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)
- Table 76. Custom Thermoelectric Corporate Summary
- Table 77. Custom Thermoelectric Miniature Thermoelectric Modules (TEM) Product Offerings
- Table 78. Custom Thermoelectric Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)
- Table 79. CUI Devices Corporate Summary
- Table 80. CUI Devices Miniature Thermoelectric Modules (TEM) Product Offerings
- Table 81. CUI Devices Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)
- Table 82. Hangzhou Aurin Corporate Summary
- Table 83. Hangzhou Aurin Miniature Thermoelectric Modules (TEM) Product Offerings
- Table 84. Hangzhou Aurin Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)
- Table 85. PL Engineering Ltd. Corporate Summary
- Table 86. PL Engineering Ltd. Miniature Thermoelectric Modules (TEM) Product Offerings
- Table 87. PL Engineering Ltd. Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)
- Table 88. P&N Tech Corporate Summary
- Table 89. P&N Tech Miniature Thermoelectric Modules (TEM) Product Offerings
- Table 90. P&N Tech Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue

(US\$, Mn) and Average Price (US\$/Unit) (2017-2022)

Table 91. Wellen Tech Corporate Summary

Table 92. Wellen Tech Miniature Thermoelectric Modules (TEM) Product Offerings

Table 93. Wellen Tech Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)

Table 94. Shenzhen Tecooler technology Corporate Summary

Table 95. Shenzhen Tecooler technology Miniature Thermoelectric Modules (TEM) Product Offerings

Table 96. Shenzhen Tecooler technology Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)

Table 97. Thermoelectric New Energy Technology Corporate Summary

Table 98. Thermoelectric New Energy Technology Miniature Thermoelectric Modules (TEM) Product Offerings

Table 99. Thermoelectric New Energy Technology Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)

Table 100. Adcol Corporate Summary

Table 101. Adcol Miniature Thermoelectric Modules (TEM) Product Offerings

Table 102. Adcol Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)

Table 103. Mintao Corporate Summary

Table 104. Mintao Miniature Thermoelectric Modules (TEM) Product Offerings

Table 105. Mintao Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)

Table 106. SAGREON Corporate Summary

Table 107. SAGREON Miniature Thermoelectric Modules (TEM) Product Offerings

Table 108. SAGREON Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)

Table 109. FULIANJING Corporate Summary

Table 110. FULIANJING Miniature Thermoelectric Modules (TEM) Product Offerings

Table 111. FULIANJING Miniature Thermoelectric Modules (TEM) Sales (K Units), Revenue (US\$, Mn) and Average Price (US\$/Unit) (2017-2022)

Table 112. Miniature Thermoelectric Modules (TEM) Production Capacity (K Units) of Key Manufacturers in Global Market, 2020-2022 (K Units)

Table 113. Global Miniature Thermoelectric Modules (TEM) Capacity Market Share of Key Manufacturers, 2020-2022

Table 114. Global Miniature Thermoelectric Modules (TEM) Production by Region, 2017-2022 (K Units)

Table 115. Global Miniature Thermoelectric Modules (TEM) Production by Region, 2023-2028 (K Units)

Table 116. Miniature Thermoelectric Modules (TEM) Market Opportunities & Trends in Global Market

Table 117. Miniature Thermoelectric Modules (TEM) Market Drivers in Global Market

Table 118. Miniature Thermoelectric Modules (TEM) Market Restraints in Global Market

Table 119. Miniature Thermoelectric Modules (TEM) Raw Materials

Table 120. Miniature Thermoelectric Modules (TEM) Raw Materials Suppliers in Global Market

Table 121. Typical Miniature Thermoelectric Modules (TEM) Downstream

Table 122. Miniature Thermoelectric Modules (TEM) Downstream Clients in Global Market

Table 123. Miniature Thermoelectric Modules (TEM) Distributors and Sales Agents in Global Market

List Of Figures

LIST OF FIGURES

Figure 1. Miniature Thermoelectric Modules (TEM) Segment by Type

Figure 2. Miniature Thermoelectric Modules (TEM) Segment by Application

Figure 3. Global Miniature Thermoelectric Modules (TEM) Market Overview: 2021

Figure 4. Key Caveats

Figure 5. Global Miniature Thermoelectric Modules (TEM) Market Size: 2021 VS 2028 (US\$, Mn)

Figure 6. Global Miniature Thermoelectric Modules (TEM) Revenue, 2017-2028 (US\$, Mn)

Figure 7. Miniature Thermoelectric Modules (TEM) Sales in Global Market: 2017-2028 (K Units)

Figure 8. The Top 3 and 5 Players Market Share by Miniature Thermoelectric Modules (TEM) Revenue in 2021

Figure 9. By Type - Global Miniature Thermoelectric Modules (TEM) Sales Market Share, 2017-2028

Figure 10. By Type - Global Miniature Thermoelectric Modules (TEM) Revenue Market Share, 2017-2028

Figure 11. By Type - Global Miniature Thermoelectric Modules (TEM) Price (US\$/Unit), 2017-2028

Figure 12. By Application - Global Miniature Thermoelectric Modules (TEM) Sales Market Share, 2017-2028

Figure 13. By Application - Global Miniature Thermoelectric Modules (TEM) Revenue Market Share, 2017-2028

Figure 14. By Application - Global Miniature Thermoelectric Modules (TEM) Price (US\$/Unit), 2017-2028

Figure 15. By Region - Global Miniature Thermoelectric Modules (TEM) Sales Market Share, 2017-2028

Figure 16. By Region - Global Miniature Thermoelectric Modules (TEM) Revenue Market Share, 2017-2028

Figure 17. By Country - North America Miniature Thermoelectric Modules (TEM) Revenue Market Share, 2017-2028

Figure 18. By Country - North America Miniature Thermoelectric Modules (TEM) Sales Market Share, 2017-2028

Figure 19. US Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 20. Canada Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn),

2017-2028

Figure 21. Mexico Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 22. By Country - Europe Miniature Thermoelectric Modules (TEM) Revenue Market Share, 2017-2028

Figure 23. By Country - Europe Miniature Thermoelectric Modules (TEM) Sales Market Share, 2017-2028

Figure 24. Germany Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 25. France Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 26. U.K. Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 27. Italy Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 28. Russia Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 29. Nordic Countries Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 30. Benelux Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 31. By Region - Asia Miniature Thermoelectric Modules (TEM) Revenue Market Share, 2017-2028

Figure 32. By Region - Asia Miniature Thermoelectric Modules (TEM) Sales Market Share, 2017-2028

Figure 33. China Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 34. Japan Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 35. South Korea Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 36. Southeast Asia Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 37. India Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 38. By Country - South America Miniature Thermoelectric Modules (TEM) Revenue Market Share, 2017-2028

Figure 39. By Country - South America Miniature Thermoelectric Modules (TEM) Sales Market Share, 2017-2028

Figure 40. Brazil Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 41. Argentina Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 42. By Country - Middle East & Africa Miniature Thermoelectric Modules (TEM) Revenue Market Share, 2017-2028

Figure 43. By Country - Middle East & Africa Miniature Thermoelectric Modules (TEM) Sales Market Share, 2017-2028

Figure 44. Turkey Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 45. Israel Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 46. Saudi Arabia Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 47. UAE Miniature Thermoelectric Modules (TEM) Revenue, (US\$, Mn), 2017-2028

Figure 48. Global Miniature Thermoelectric Modules (TEM) Production Capacity (K Units), 2017-2028

Figure 49. The Percentage of Production Miniature Thermoelectric Modules (TEM) by Region, 2021 VS 2028

Figure 50. Miniature Thermoelectric Modules (TEM) Industry Value Chain

Figure 51. Marketing Channels

I would like to order

Product name: Miniature Thermoelectric Modules (TEM) Market, Global Outlook and Forecast 2022-2028

Product link: <https://marketpublishers.com/r/M3863884FD93EN.html>

Price: US\$ 3,250.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/M3863884FD93EN.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