

# Global Graphite Heat Exchanger Supply, Demand and Key Producers, 2023-2029

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# Abstracts

The global Graphite Heat Exchanger market size is expected to reach \$ 615.8 million by 2029, rising at a market growth of 4.4% CAGR during the forecast period (2023-2029).

Global Graphite Heat Exchanger key players include MERSEN, Nantong Sunshine, Nantong Xingqiu, etc. Global top three manufacturers hold a share over 40%.

China is the largest market, with a share over 40%, followed by Europe, and North America, both have a share over 30 percent.

In terms of product, Shell and Tubes is the largest segment, with a share about 65%. And in terms of application, the largest application is Chemical Industrial, followed by Petrochemical Industrial, Metal Surface Treatment Industrial, Pharmaceutical Industrial, etc.

A graphite heat exchanger is a type of heat exchanger that utilizes graphite as the primary material for its construction. Graphite is a form of carbon that has excellent thermal conductivity, high corrosion resistance, and good mechanical strength, making it well-suited for heat transfer applications.

Graphite heat exchangers are commonly used in industries where highly corrosive fluids or gases need to be heated or cooled. They are particularly favored in chemical processing, pharmaceutical manufacturing, and metal refining, among other sectors. The unique properties of graphite allow these heat exchangers to withstand harsh operating conditions and effectively transfer heat between two different fluids without contaminating or reacting with them.



The design of a graphite heat exchanger typically involves a series of graphite tubes or channels through which the hot and cold fluids flow. The heat transfer occurs through the walls of these channels, enabling efficient heat exchange. Graphite's high thermal conductivity facilitates the rapid transfer of heat between the fluids, ensuring effective temperature control.

Graphite heat exchangers offer several advantages over traditional metal heat exchangers. They are highly resistant to corrosion, even in the presence of aggressive chemicals, acids, or bases. Graphite's non-reactive nature ensures that there is no contamination of the fluids being processed. Additionally, graphite heat exchangers can operate at high temperatures, making them suitable for applications involving heat transfer at elevated or even extreme temperatures.

This report studies the global Graphite Heat Exchanger production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Graphite Heat Exchanger, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Graphite Heat Exchanger that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Graphite Heat Exchanger total production and demand, 2018-2029, (K Sqm)

Global Graphite Heat Exchanger total production value, 2018-2029, (USD Million)

Global Graphite Heat Exchanger production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Sqm)

Global Graphite Heat Exchanger consumption by region & country, CAGR, 2018-2029 & (K Sqm)

U.S. VS China: Graphite Heat Exchanger domestic production, consumption, key domestic manufacturers and share

Global Graphite Heat Exchanger production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Sqm)



Global Graphite Heat Exchanger production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Sqm)

Global Graphite Heat Exchanger production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Sqm).

This reports profiles key players in the global Graphite Heat Exchanger market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include SGL Group, MERSEN, Nantong Xingqiu, Nantong Sunshine, Graphite India Limited, Nantong Shanjian, Qingdao Boao, Qingdao BoHua and Graphite Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Graphite Heat Exchanger market.

**Detailed Segmentation:** 

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Sqm) and average price (US\$/Sqm) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Graphite Heat Exchanger Market, By Region:

United States	
China	
Europe	
Japan	

South Korea



ASEAN

India

Rest of World

Global Graphite Heat Exchanger Market, Segmentation by Type

Shell and Tubes

Blocks

Plates

Global Graphite Heat Exchanger Market, Segmentation by Application

**Chemical Industrial** 

Petrochemical Industrial

Metal Surface Treatment Industrial

Pharmaceutical Industrial

Food and Beverage Industrial

Others

**Companies Profiled:** 

SGL Group

MERSEN

Nantong Xingqiu



Nantong Sunshine

Graphite India Limited

Nantong Shanjian

Qingdao Boao

Qingdao BoHua

Graphite Technology

Nantong Graphite

Zibo Shengxin

Nantong Xinbao

HEAD

Ecarb

Active Chemical Systems

Saishraddha Graphite Equipments & Systems

CG Thermal

Blast Carbo Block

Omega Graphite

**Hexacarb Engineers** 

SVI Carbon

Graphicarb



Cor Resist (H.K. Industries)

Wilk Graphite

Key Questions Answered

1. How big is the global Graphite Heat Exchanger market?

2. What is the demand of the global Graphite Heat Exchanger market?

3. What is the year over year growth of the global Graphite Heat Exchanger market?

4. What is the production and production value of the global Graphite Heat Exchanger market?

5. Who are the key producers in the global Graphite Heat Exchanger market?

6. What are the growth factors driving the market demand?



# Contents

#### **1 SUPPLY SUMMARY**

- 1.1 Graphite Heat Exchanger Introduction
- 1.2 World Graphite Heat Exchanger Supply & Forecast
- 1.2.1 World Graphite Heat Exchanger Production Value (2018 & 2022 & 2029)
- 1.2.2 World Graphite Heat Exchanger Production (2018-2029)
- 1.2.3 World Graphite Heat Exchanger Pricing Trends (2018-2029)
- 1.3 World Graphite Heat Exchanger Production by Region (Based on Production Site)
- 1.3.1 World Graphite Heat Exchanger Production Value by Region (2018-2029)
- 1.3.2 World Graphite Heat Exchanger Production by Region (2018-2029)
- 1.3.3 World Graphite Heat Exchanger Average Price by Region (2018-2029)
- 1.3.4 North America Graphite Heat Exchanger Production (2018-2029)
- 1.3.5 Europe Graphite Heat Exchanger Production (2018-2029)
- 1.3.6 China Graphite Heat Exchanger Production (2018-2029)
- 1.3.7 India Graphite Heat Exchanger Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Graphite Heat Exchanger Market Drivers
  - 1.4.2 Factors Affecting Demand
- 1.4.3 Graphite Heat Exchanger Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
  - 1.5.1 Influence of COVID-19
- 1.5.2 Influence of Russia-Ukraine War

#### **2 DEMAND SUMMARY**

- 2.1 World Graphite Heat Exchanger Demand (2018-2029)
- 2.2 World Graphite Heat Exchanger Consumption by Region
- 2.2.1 World Graphite Heat Exchanger Consumption by Region (2018-2023)
- 2.2.2 World Graphite Heat Exchanger Consumption Forecast by Region (2024-2029)
- 2.3 United States Graphite Heat Exchanger Consumption (2018-2029)
- 2.4 China Graphite Heat Exchanger Consumption (2018-2029)
- 2.5 Europe Graphite Heat Exchanger Consumption (2018-2029)
- 2.6 Japan Graphite Heat Exchanger Consumption (2018-2029)
- 2.7 South Korea Graphite Heat Exchanger Consumption (2018-2029)
- 2.8 ASEAN Graphite Heat Exchanger Consumption (2018-2029)
- 2.9 India Graphite Heat Exchanger Consumption (2018-2029)



# 3 WORLD GRAPHITE HEAT EXCHANGER MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Graphite Heat Exchanger Production Value by Manufacturer (2018-2023)
- 3.2 World Graphite Heat Exchanger Production by Manufacturer (2018-2023)
- 3.3 World Graphite Heat Exchanger Average Price by Manufacturer (2018-2023)
- 3.4 Graphite Heat Exchanger Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
- 3.5.1 Global Graphite Heat Exchanger Industry Rank of Major Manufacturers
- 3.5.2 Global Concentration Ratios (CR4) for Graphite Heat Exchanger in 2022
- 3.5.3 Global Concentration Ratios (CR8) for Graphite Heat Exchanger in 2022
- 3.6 Graphite Heat Exchanger Market: Overall Company Footprint Analysis
- 3.6.1 Graphite Heat Exchanger Market: Region Footprint
- 3.6.2 Graphite Heat Exchanger Market: Company Product Type Footprint
- 3.6.3 Graphite Heat Exchanger Market: Company Product Application Footprint
- 3.7 Competitive Environment
- 3.7.1 Historical Structure of the Industry
- 3.7.2 Barriers of Market Entry
- 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

# 4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Graphite Heat Exchanger Production Value Comparison

4.1.1 United States VS China: Graphite Heat Exchanger Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Graphite Heat Exchanger Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Graphite Heat Exchanger Production Comparison4.2.1 United States VS China: Graphite Heat Exchanger Production Comparison (2018)

& 2022 & 2029)

4.2.2 United States VS China: Graphite Heat Exchanger Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Graphite Heat Exchanger Consumption Comparison

4.3.1 United States VS China: Graphite Heat Exchanger Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Graphite Heat Exchanger Consumption Market Share Comparison (2018 & 2022 & 2029)



4.4 United States Based Graphite Heat Exchanger Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Graphite Heat Exchanger Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Graphite Heat Exchanger Production Value (2018-2023)

4.4.3 United States Based Manufacturers Graphite Heat Exchanger Production (2018-2023)

4.5 China Based Graphite Heat Exchanger Manufacturers and Market Share

4.5.1 China Based Graphite Heat Exchanger Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Graphite Heat Exchanger Production Value (2018-2023)

4.5.3 China Based Manufacturers Graphite Heat Exchanger Production (2018-2023)4.6 Rest of World Based Graphite Heat Exchanger Manufacturers and Market Share,2018-2023

4.6.1 Rest of World Based Graphite Heat Exchanger Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Graphite Heat Exchanger Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Graphite Heat Exchanger Production (2018-2023)

# **5 MARKET ANALYSIS BY TYPE**

5.1 World Graphite Heat Exchanger Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

- 5.2.1 Shell and Tubes
- 5.2.2 Blocks
- 5.2.3 Plates
- 5.3 Market Segment by Type
  - 5.3.1 World Graphite Heat Exchanger Production by Type (2018-2029)
  - 5.3.2 World Graphite Heat Exchanger Production Value by Type (2018-2029)
  - 5.3.3 World Graphite Heat Exchanger Average Price by Type (2018-2029)

### 6 MARKET ANALYSIS BY APPLICATION

6.1 World Graphite Heat Exchanger Market Size Overview by Application: 2018 VS



#### 2022 VS 2029

6.2 Segment Introduction by Application

- 6.2.1 Chemical Industrial
- 6.2.2 Petrochemical Industrial
- 6.2.3 Metal Surface Treatment Industrial
- 6.2.4 Pharmaceutical Industrial
- 6.2.5 Food and Beverage Industrial
- 6.2.6 Others
- 6.3 Market Segment by Application
  - 6.3.1 World Graphite Heat Exchanger Production by Application (2018-2029)
  - 6.3.2 World Graphite Heat Exchanger Production Value by Application (2018-2029)
  - 6.3.3 World Graphite Heat Exchanger Average Price by Application (2018-2029)

### 7 COMPANY PROFILES

- 7.1 SGL Group
  - 7.1.1 SGL Group Details
  - 7.1.2 SGL Group Major Business
  - 7.1.3 SGL Group Graphite Heat Exchanger Product and Services
- 7.1.4 SGL Group Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.1.5 SGL Group Recent Developments/Updates
- 7.1.6 SGL Group Competitive Strengths & Weaknesses

7.2 MERSEN

- 7.2.1 MERSEN Details
- 7.2.2 MERSEN Major Business
- 7.2.3 MERSEN Graphite Heat Exchanger Product and Services

7.2.4 MERSEN Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

- 7.2.5 MERSEN Recent Developments/Updates
- 7.2.6 MERSEN Competitive Strengths & Weaknesses

7.3 Nantong Xingqiu

- 7.3.1 Nantong Xingqiu Details
- 7.3.2 Nantong Xingqiu Major Business
- 7.3.3 Nantong Xingqiu Graphite Heat Exchanger Product and Services

7.3.4 Nantong Xingqiu Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Nantong Xingqiu Recent Developments/Updates

7.3.6 Nantong Xingqiu Competitive Strengths & Weaknesses



- 7.4 Nantong Sunshine
  - 7.4.1 Nantong Sunshine Details
  - 7.4.2 Nantong Sunshine Major Business
  - 7.4.3 Nantong Sunshine Graphite Heat Exchanger Product and Services

7.4.4 Nantong Sunshine Graphite Heat Exchanger Production, Price, Value, Gross

Margin and Market Share (2018-2023)

7.4.5 Nantong Sunshine Recent Developments/Updates

7.4.6 Nantong Sunshine Competitive Strengths & Weaknesses

7.5 Graphite India Limited

- 7.5.1 Graphite India Limited Details
- 7.5.2 Graphite India Limited Major Business
- 7.5.3 Graphite India Limited Graphite Heat Exchanger Product and Services

7.5.4 Graphite India Limited Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.5.5 Graphite India Limited Recent Developments/Updates

7.5.6 Graphite India Limited Competitive Strengths & Weaknesses

7.6 Nantong Shanjian

- 7.6.1 Nantong Shanjian Details
- 7.6.2 Nantong Shanjian Major Business
- 7.6.3 Nantong Shanjian Graphite Heat Exchanger Product and Services
- 7.6.4 Nantong Shanjian Graphite Heat Exchanger Production, Price, Value, Gross

Margin and Market Share (2018-2023)

- 7.6.5 Nantong Shanjian Recent Developments/Updates
- 7.6.6 Nantong Shanjian Competitive Strengths & Weaknesses

7.7 Qingdao Boao

- 7.7.1 Qingdao Boao Details
- 7.7.2 Qingdao Boao Major Business
- 7.7.3 Qingdao Boao Graphite Heat Exchanger Product and Services

7.7.4 Qingdao Boao Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

- 7.7.5 Qingdao Boao Recent Developments/Updates
- 7.7.6 Qingdao Boao Competitive Strengths & Weaknesses

7.8 Qingdao BoHua

- 7.8.1 Qingdao BoHua Details
- 7.8.2 Qingdao BoHua Major Business
- 7.8.3 Qingdao BoHua Graphite Heat Exchanger Product and Services

7.8.4 Qingdao BoHua Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.8.5 Qingdao BoHua Recent Developments/Updates



7.8.6 Qingdao BoHua Competitive Strengths & Weaknesses

7.9 Graphite Technology

7.9.1 Graphite Technology Details

7.9.2 Graphite Technology Major Business

7.9.3 Graphite Technology Graphite Heat Exchanger Product and Services

7.9.4 Graphite Technology Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.9.5 Graphite Technology Recent Developments/Updates

7.9.6 Graphite Technology Competitive Strengths & Weaknesses

7.10 Nantong Graphite

7.10.1 Nantong Graphite Details

7.10.2 Nantong Graphite Major Business

7.10.3 Nantong Graphite Graphite Heat Exchanger Product and Services

7.10.4 Nantong Graphite Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.10.5 Nantong Graphite Recent Developments/Updates

7.10.6 Nantong Graphite Competitive Strengths & Weaknesses

7.11 Zibo Shengxin

7.11.1 Zibo Shengxin Details

7.11.2 Zibo Shengxin Major Business

7.11.3 Zibo Shengxin Graphite Heat Exchanger Product and Services

7.11.4 Zibo Shengxin Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.11.5 Zibo Shengxin Recent Developments/Updates

7.11.6 Zibo Shengxin Competitive Strengths & Weaknesses

7.12 Nantong Xinbao

7.12.1 Nantong Xinbao Details

7.12.2 Nantong Xinbao Major Business

7.12.3 Nantong Xinbao Graphite Heat Exchanger Product and Services

7.12.4 Nantong Xinbao Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.12.5 Nantong Xinbao Recent Developments/Updates

7.12.6 Nantong Xinbao Competitive Strengths & Weaknesses

7.13 HEAD

7.13.1 HEAD Details

7.13.2 HEAD Major Business

7.13.3 HEAD Graphite Heat Exchanger Product and Services

7.13.4 HEAD Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)



- 7.13.5 HEAD Recent Developments/Updates
- 7.13.6 HEAD Competitive Strengths & Weaknesses

7.14 Ecarb

- 7.14.1 Ecarb Details
- 7.14.2 Ecarb Major Business
- 7.14.3 Ecarb Graphite Heat Exchanger Product and Services

7.14.4 Ecarb Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

- 7.14.5 Ecarb Recent Developments/Updates
- 7.14.6 Ecarb Competitive Strengths & Weaknesses

7.15 Active Chemical Systems

7.15.1 Active Chemical Systems Details

7.15.2 Active Chemical Systems Major Business

7.15.3 Active Chemical Systems Graphite Heat Exchanger Product and Services

7.15.4 Active Chemical Systems Graphite Heat Exchanger Production, Price, Value,

Gross Margin and Market Share (2018-2023)

7.15.5 Active Chemical Systems Recent Developments/Updates

7.15.6 Active Chemical Systems Competitive Strengths & Weaknesses

7.16 Saishraddha Graphite Equipments & Systems

- 7.16.1 Saishraddha Graphite Equipments & Systems Details
- 7.16.2 Saishraddha Graphite Equipments & Systems Major Business
- 7.16.3 Saishraddha Graphite Equipments & Systems Graphite Heat Exchanger

Product and Services

7.16.4 Saishraddha Graphite Equipments & Systems Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.16.5 Saishraddha Graphite Equipments & Systems Recent Developments/Updates

7.16.6 Saishraddha Graphite Equipments & Systems Competitive Strengths & Weaknesses

7.17 CG Thermal

7.17.1 CG Thermal Details

- 7.17.2 CG Thermal Major Business
- 7.17.3 CG Thermal Graphite Heat Exchanger Product and Services

7.17.4 CG Thermal Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

- 7.17.5 CG Thermal Recent Developments/Updates
- 7.17.6 CG Thermal Competitive Strengths & Weaknesses

7.18 Blast Carbo Block

7.18.1 Blast Carbo Block Details

7.18.2 Blast Carbo Block Major Business



7.18.3 Blast Carbo Block Graphite Heat Exchanger Product and Services

7.18.4 Blast Carbo Block Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.18.5 Blast Carbo Block Recent Developments/Updates

7.18.6 Blast Carbo Block Competitive Strengths & Weaknesses

7.19 Omega Graphite

7.19.1 Omega Graphite Details

7.19.2 Omega Graphite Major Business

7.19.3 Omega Graphite Graphite Heat Exchanger Product and Services

7.19.4 Omega Graphite Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.19.5 Omega Graphite Recent Developments/Updates

7.19.6 Omega Graphite Competitive Strengths & Weaknesses

7.20 Hexacarb Engineers

7.20.1 Hexacarb Engineers Details

7.20.2 Hexacarb Engineers Major Business

7.20.3 Hexacarb Engineers Graphite Heat Exchanger Product and Services

7.20.4 Hexacarb Engineers Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.20.5 Hexacarb Engineers Recent Developments/Updates

7.20.6 Hexacarb Engineers Competitive Strengths & Weaknesses

7.21 SVI Carbon

7.21.1 SVI Carbon Details

7.21.2 SVI Carbon Major Business

7.21.3 SVI Carbon Graphite Heat Exchanger Product and Services

7.21.4 SVI Carbon Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.21.5 SVI Carbon Recent Developments/Updates

7.21.6 SVI Carbon Competitive Strengths & Weaknesses

7.22 Graphicarb

7.22.1 Graphicarb Details

7.22.2 Graphicarb Major Business

7.22.3 Graphicarb Graphite Heat Exchanger Product and Services

7.22.4 Graphicarb Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.22.5 Graphicarb Recent Developments/Updates

7.22.6 Graphicarb Competitive Strengths & Weaknesses

7.23 Cor Resist (H.K. Industries)

7.23.1 Cor Resist (H.K. Industries) Details



7.23.2 Cor Resist (H.K. Industries) Major Business

7.23.3 Cor Resist (H.K. Industries) Graphite Heat Exchanger Product and Services

7.23.4 Cor Resist (H.K. Industries) Graphite Heat Exchanger Production, Price, Value,

Gross Margin and Market Share (2018-2023)

7.23.5 Cor Resist (H.K. Industries) Recent Developments/Updates

7.23.6 Cor Resist (H.K. Industries) Competitive Strengths & Weaknesses

7.24 Wilk Graphite

- 7.24.1 Wilk Graphite Details
- 7.24.2 Wilk Graphite Major Business
- 7.24.3 Wilk Graphite Graphite Heat Exchanger Product and Services

7.24.4 Wilk Graphite Graphite Heat Exchanger Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.24.5 Wilk Graphite Recent Developments/Updates

7.24.6 Wilk Graphite Competitive Strengths & Weaknesses

### **8 INDUSTRY CHAIN ANALYSIS**

- 8.1 Graphite Heat Exchanger Industry Chain
- 8.2 Graphite Heat Exchanger Upstream Analysis
  - 8.2.1 Graphite Heat Exchanger Core Raw Materials
- 8.2.2 Main Manufacturers of Graphite Heat Exchanger Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Graphite Heat Exchanger Production Mode
- 8.6 Graphite Heat Exchanger Procurement Model
- 8.7 Graphite Heat Exchanger Industry Sales Model and Sales Channels
  - 8.7.1 Graphite Heat Exchanger Sales Model
  - 8.7.2 Graphite Heat Exchanger Typical Customers

### 9 RESEARCH FINDINGS AND CONCLUSION

#### **10 APPENDIX**

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer



# **List Of Tables**

### LIST OF TABLES

Table 1. World Graphite Heat Exchanger Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Graphite Heat Exchanger Production Value by Region (2018-2023) & (USD Million)

Table 3. World Graphite Heat Exchanger Production Value by Region (2024-2029) & (USD Million)

Table 4. World Graphite Heat Exchanger Production Value Market Share by Region (2018-2023)

Table 5. World Graphite Heat Exchanger Production Value Market Share by Region (2024-2029)

Table 6. World Graphite Heat Exchanger Production by Region (2018-2023) & (K Sqm)

Table 7. World Graphite Heat Exchanger Production by Region (2024-2029) & (K Sqm)

Table 8. World Graphite Heat Exchanger Production Market Share by Region (2018-2023)

Table 9. World Graphite Heat Exchanger Production Market Share by Region (2024-2029)

Table 10. World Graphite Heat Exchanger Average Price by Region (2018-2023) & (US\$/Sqm)

Table 11. World Graphite Heat Exchanger Average Price by Region (2024-2029) & (US\$/Sqm)

Table 12. Graphite Heat Exchanger Major Market Trends

Table 13. World Graphite Heat Exchanger Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Sqm)

Table 14. World Graphite Heat Exchanger Consumption by Region (2018-2023) & (K Sqm)

Table 15. World Graphite Heat Exchanger Consumption Forecast by Region (2024-2029) & (K Sqm)

Table 16. World Graphite Heat Exchanger Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Graphite Heat Exchanger Producers in2022

Table 18. World Graphite Heat Exchanger Production by Manufacturer (2018-2023) & (K Sqm)

Table 19. Production Market Share of Key Graphite Heat Exchanger Producers in 2022Table 20. World Graphite Heat Exchanger Average Price by Manufacturer (2018-2023)



#### & (US\$/Sqm)

 Table 21. Global Graphite Heat Exchanger Company Evaluation Quadrant

Table 22. World Graphite Heat Exchanger Industry Rank of Major Manufacturers,

Based on Production Value in 2022

Table 23. Head Office and Graphite Heat Exchanger Production Site of Key Manufacturer

Table 24. Graphite Heat Exchanger Market: Company Product Type Footprint

Table 25. Graphite Heat Exchanger Market: Company Product Application Footprint

Table 26. Graphite Heat Exchanger Competitive Factors

Table 27. Graphite Heat Exchanger New Entrant and Capacity Expansion Plans

Table 28. Graphite Heat Exchanger Mergers & Acquisitions Activity

Table 29. United States VS China Graphite Heat Exchanger Production ValueComparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Graphite Heat Exchanger Production Comparison, (2018 & 2022 & 2029) & (K Sqm)

Table 31. United States VS China Graphite Heat Exchanger Consumption Comparison, (2018 & 2022 & 2029) & (K Sqm)

Table 32. United States Based Graphite Heat Exchanger Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Graphite Heat Exchanger Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Graphite Heat Exchanger Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Graphite Heat Exchanger Production (2018-2023) & (K Sqm)

Table 36. United States Based Manufacturers Graphite Heat Exchanger Production Market Share (2018-2023)

Table 37. China Based Graphite Heat Exchanger Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Graphite Heat Exchanger Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Graphite Heat Exchanger Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Graphite Heat Exchanger Production (2018-2023) & (K Sqm)

Table 41. China Based Manufacturers Graphite Heat Exchanger Production Market Share (2018-2023)

Table 42. Rest of World Based Graphite Heat Exchanger Manufacturers, Headquarters and Production Site (States, Country)



Table 43. Rest of World Based Manufacturers Graphite Heat Exchanger Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Graphite Heat Exchanger Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Graphite Heat Exchanger Production (2018-2023) & (K Sqm)

Table 46. Rest of World Based Manufacturers Graphite Heat Exchanger Production Market Share (2018-2023)

Table 47. World Graphite Heat Exchanger Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Graphite Heat Exchanger Production by Type (2018-2023) & (K Sqm) Table 49. World Graphite Heat Exchanger Production by Type (2024-2029) & (K Sqm) Table 50. World Graphite Heat Exchanger Production Value by Type (2018-2023) & (USD Million)

Table 51. World Graphite Heat Exchanger Production Value by Type (2024-2029) & (USD Million)

Table 52. World Graphite Heat Exchanger Average Price by Type (2018-2023) & (US\$/Sqm)

Table 53. World Graphite Heat Exchanger Average Price by Type (2024-2029) & (US\$/Sqm)

Table 54. World Graphite Heat Exchanger Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Graphite Heat Exchanger Production by Application (2018-2023) & (K Sqm)

Table 56. World Graphite Heat Exchanger Production by Application (2024-2029) & (K Sqm)

Table 57. World Graphite Heat Exchanger Production Value by Application (2018-2023) & (USD Million)

Table 58. World Graphite Heat Exchanger Production Value by Application (2024-2029) & (USD Million)

Table 59. World Graphite Heat Exchanger Average Price by Application (2018-2023) & (US\$/Sqm)

Table 60. World Graphite Heat Exchanger Average Price by Application (2024-2029) & (US\$/Sqm)

Table 61. SGL Group Basic Information, Manufacturing Base and Competitors

Table 62. SGL Group Major Business

Table 63. SGL Group Graphite Heat Exchanger Product and Services

Table 64. SGL Group Graphite Heat Exchanger Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)



Table 65. SGL Group Recent Developments/Updates

Table 66. SGL Group Competitive Strengths & Weaknesses

Table 67. MERSEN Basic Information, Manufacturing Base and Competitors

Table 68. MERSEN Major Business

Table 69. MERSEN Graphite Heat Exchanger Product and Services

Table 70. MERSEN Graphite Heat Exchanger Production (K Sqm), Price (US\$/Sqm),

Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. MERSEN Recent Developments/Updates

Table 72. MERSEN Competitive Strengths & Weaknesses

Table 73. Nantong Xingqiu Basic Information, Manufacturing Base and Competitors

Table 74. Nantong Xingqiu Major Business

 Table 75. Nantong Xingqiu Graphite Heat Exchanger Product and Services

Table 76. Nantong Xingqiu Graphite Heat Exchanger Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Nantong Xingqiu Recent Developments/Updates

Table 78. Nantong Xingqiu Competitive Strengths & Weaknesses

Table 79. Nantong Sunshine Basic Information, Manufacturing Base and Competitors

 Table 80. Nantong Sunshine Major Business

Table 81. Nantong Sunshine Graphite Heat Exchanger Product and Services

Table 82. Nantong Sunshine Graphite Heat Exchanger Production (K Sqm), Price

(US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. Nantong Sunshine Recent Developments/Updates

Table 84. Nantong Sunshine Competitive Strengths & Weaknesses

Table 85. Graphite India Limited Basic Information, Manufacturing Base and Competitors

Table 86. Graphite India Limited Major Business

Table 87. Graphite India Limited Graphite Heat Exchanger Product and Services

Table 88. Graphite India Limited Graphite Heat Exchanger Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share

(2018-2023)

Table 89. Graphite India Limited Recent Developments/Updates

Table 90. Graphite India Limited Competitive Strengths & Weaknesses

Table 91. Nantong Shanjian Basic Information, Manufacturing Base and Competitors

Table 92. Nantong Shanjian Major Business

 Table 93. Nantong Shanjian Graphite Heat Exchanger Product and Services

Table 94. Nantong Shanjian Graphite Heat Exchanger Production (K Sqm), Price

(US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share



(2018-2023)

Table 95. Nantong Shanjian Recent Developments/Updates

Table 96. Nantong Shanjian Competitive Strengths & Weaknesses

Table 97. Qingdao Boao Basic Information, Manufacturing Base and Competitors

Table 98. Qingdao Boao Major Business

 Table 99. Qingdao Boao Graphite Heat Exchanger Product and Services

Table 100. Qingdao Boao Graphite Heat Exchanger Production (K Sqm), Price

(US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Qingdao Boao Recent Developments/Updates

Table 102. Qingdao Boao Competitive Strengths & Weaknesses

Table 103. Qingdao BoHua Basic Information, Manufacturing Base and Competitors

Table 104. Qingdao BoHua Major Business

Table 105. Qingdao BoHua Graphite Heat Exchanger Product and Services

Table 106. Qingdao BoHua Graphite Heat Exchanger Production (K Sqm), Price

(US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Qingdao BoHua Recent Developments/Updates

Table 108. Qingdao BoHua Competitive Strengths & Weaknesses

Table 109. Graphite Technology Basic Information, Manufacturing Base and Competitors

Table 110. Graphite Technology Major Business

Table 111. Graphite Technology Graphite Heat Exchanger Product and Services

Table 112. Graphite Technology Graphite Heat Exchanger Production (K Sqm), Price

(US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

 Table 113. Graphite Technology Recent Developments/Updates

Table 114. Graphite Technology Competitive Strengths & Weaknesses

Table 115. Nantong Graphite Basic Information, Manufacturing Base and Competitors

Table 116. Nantong Graphite Major Business

Table 117. Nantong Graphite Graphite Heat Exchanger Product and Services

Table 118. Nantong Graphite Graphite Heat Exchanger Production (K Sqm), Price

(US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 119. Nantong Graphite Recent Developments/Updates

 Table 120. Nantong Graphite Competitive Strengths & Weaknesses

Table 121. Zibo Shengxin Basic Information, Manufacturing Base and Competitors

Table 122. Zibo Shengxin Major Business

Table 123. Zibo Shengxin Graphite Heat Exchanger Product and Services



Table 124. Zibo Shengxin Graphite Heat Exchanger Production (K Sgm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)Table 125. Zibo Shengxin Recent Developments/Updates Table 126. Zibo Shengxin Competitive Strengths & Weaknesses Table 127. Nantong Xinbao Basic Information, Manufacturing Base and Competitors Table 128. Nantong Xinbao Major Business Table 129. Nantong Xinbao Graphite Heat Exchanger Product and Services Table 130. Nantong Xinbao Graphite Heat Exchanger Production (K Sgm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018 - 2023)Table 131. Nantong Xinbao Recent Developments/Updates Table 132. Nantong Xinbao Competitive Strengths & Weaknesses Table 133. HEAD Basic Information, Manufacturing Base and Competitors Table 134. HEAD Major Business Table 135. HEAD Graphite Heat Exchanger Product and Services Table 136. HEAD Graphite Heat Exchanger Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023) Table 137. HEAD Recent Developments/Updates Table 138. HEAD Competitive Strengths & Weaknesses Table 139. Ecarb Basic Information, Manufacturing Base and Competitors Table 140. Ecarb Major Business Table 141. Ecarb Graphite Heat Exchanger Product and Services Table 142. Ecarb Graphite Heat Exchanger Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023) Table 143. Ecarb Recent Developments/Updates Table 144. Ecarb Competitive Strengths & Weaknesses Table 145. Active Chemical Systems Basic Information, Manufacturing Base and Competitors Table 146. Active Chemical Systems Major Business Table 147. Active Chemical Systems Graphite Heat Exchanger Product and Services Table 148. Active Chemical Systems Graphite Heat Exchanger Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018 - 2023)Table 149. Active Chemical Systems Recent Developments/Updates Table 150. Active Chemical Systems Competitive Strengths & Weaknesses Table 151. Saishraddha Graphite Equipments & Systems Basic Information, Manufacturing Base and Competitors Table 152. Saishraddha Graphite Equipments & Systems Major Business



Table 153. Saishraddha Graphite Equipments & Systems Graphite Heat Exchanger Product and Services

Table 154. Saishraddha Graphite Equipments & Systems Graphite Heat Exchanger Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 155. Saishraddha Graphite Equipments & Systems Recent

Developments/Updates

Table 156. Saishraddha Graphite Equipments & Systems Competitive Strengths & Weaknesses

Table 157. CG Thermal Basic Information, Manufacturing Base and CompetitorsTable 158. CG Thermal Major Business

 Table 159. CG Thermal Graphite Heat Exchanger Product and Services

Table 160. CG Thermal Graphite Heat Exchanger Production (K Sqm), Price

(US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 161. CG Thermal Recent Developments/Updates

Table 162. CG Thermal Competitive Strengths & Weaknesses

Table 163. Blast Carbo Block Basic Information, Manufacturing Base and Competitors

 Table 164. Blast Carbo Block Major Business

Table 165. Blast Carbo Block Graphite Heat Exchanger Product and Services

Table 166. Blast Carbo Block Graphite Heat Exchanger Production (K Sqm), Price

(US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 167. Blast Carbo Block Recent Developments/Updates

Table 168. Blast Carbo Block Competitive Strengths & Weaknesses

Table 169. Omega Graphite Basic Information, Manufacturing Base and Competitors

Table 170. Omega Graphite Major Business

Table 171. Omega Graphite Graphite Heat Exchanger Product and Services

Table 172. Omega Graphite Graphite Heat Exchanger Production (K Sqm), Price

(US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 173. Omega Graphite Recent Developments/Updates

Table 174. Omega Graphite Competitive Strengths & Weaknesses

Table 175. Hexacarb Engineers Basic Information, Manufacturing Base and Competitors

Table 176. Hexacarb Engineers Major Business

Table 177. Hexacarb Engineers Graphite Heat Exchanger Product and Services Table 178. Hexacarb Engineers Graphite Heat Exchanger Production (K Sqm), Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share



(2018-2023)

Table 179. Hexacarb Engineers Recent Developments/Updates

- Table 180. Hexacarb Engineers Competitive Strengths & Weaknesses
- Table 181. SVI Carbon Basic Information, Manufacturing Base and Competitors

Table 182. SVI Carbon Major Business

Table 183. SVI Carbon Graphite Heat Exchanger Product and Services

Table 184. SVI Carbon Graphite Heat Exchanger Production (K Sqm), Price

(US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 185. SVI Carbon Recent Developments/Updates

 Table 186. SVI Carbon Competitive Strengths & Weaknesses

 Table 187. Graphicarb Basic Information, Manufacturing Base and Competitors

Table 188. Graphicarb Major Business

 Table 189. Graphicarb Graphite Heat Exchanger Product and Services

Table 190. Graphicarb Graphite Heat Exchanger Production (K Sqm), Price (US\$/Sqm),

Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 191. Graphicarb Recent Developments/Updates

Table 192. Graphicarb Competitive Strengths & Weaknesses

Table 193. Cor Resist (H.K. Industries) Basic Information, Manufacturing Base and Competitors

Table 194. Cor Resist (H.K. Industries) Major Business

Table 195. Cor Resist (H.K. Industries) Graphite Heat Exchanger Product and Services

Table 196. Cor Resist (H.K. Industries) Graphite Heat Exchanger Production (K Sqm),

Price (US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 197. Cor Resist (H.K. Industries) Recent Developments/Updates

Table 198. Wilk Graphite Basic Information, Manufacturing Base and Competitors

Table 199. Wilk Graphite Major Business

Table 200. Wilk Graphite Graphite Heat Exchanger Product and Services

Table 201. Wilk Graphite Graphite Heat Exchanger Production (K Sqm), Price

(US\$/Sqm), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 202. Global Key Players of Graphite Heat Exchanger Upstream (Raw Materials)

Table 203. Graphite Heat Exchanger Typical Customers

Table 204. Graphite Heat Exchanger Typical Distributors



# **List Of Figures**

#### LIST OF FIGURES

Figure 1. Graphite Heat Exchanger Picture

Figure 2. World Graphite Heat Exchanger Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Graphite Heat Exchanger Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Graphite Heat Exchanger Production (2018-2029) & (K Sqm)

Figure 5. World Graphite Heat Exchanger Average Price (2018-2029) & (US\$/Sqm)

Figure 6. World Graphite Heat Exchanger Production Value Market Share by Region (2018-2029)

Figure 7. World Graphite Heat Exchanger Production Market Share by Region (2018-2029)

Figure 8. North America Graphite Heat Exchanger Production (2018-2029) & (K Sqm)

Figure 9. Europe Graphite Heat Exchanger Production (2018-2029) & (K Sqm)

Figure 10. China Graphite Heat Exchanger Production (2018-2029) & (K Sqm)

Figure 11. India Graphite Heat Exchanger Production (2018-2029) & (K Sqm)

Figure 12. Graphite Heat Exchanger Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Graphite Heat Exchanger Consumption (2018-2029) & (K Sqm)

Figure 15. World Graphite Heat Exchanger Consumption Market Share by Region (2018-2029)

Figure 16. United States Graphite Heat Exchanger Consumption (2018-2029) & (K Sqm)

Figure 17. China Graphite Heat Exchanger Consumption (2018-2029) & (K Sqm)

Figure 18. Europe Graphite Heat Exchanger Consumption (2018-2029) & (K Sqm)

Figure 19. Japan Graphite Heat Exchanger Consumption (2018-2029) & (K Sqm)

Figure 20. South Korea Graphite Heat Exchanger Consumption (2018-2029) & (K Sqm)

Figure 21. ASEAN Graphite Heat Exchanger Consumption (2018-2029) & (K Sqm)

Figure 22. India Graphite Heat Exchanger Consumption (2018-2029) & (K Sqm)

Figure 23. Producer Shipments of Graphite Heat Exchanger by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 24. Global Four-firm Concentration Ratios (CR4) for Graphite Heat Exchanger Markets in 2022

Figure 25. Global Four-firm Concentration Ratios (CR8) for Graphite Heat Exchanger Markets in 2022

Figure 26. United States VS China: Graphite Heat Exchanger Production Value Market



Share Comparison (2018 & 2022 & 2029) Figure 27. United States VS China: Graphite Heat Exchanger Production Market Share Comparison (2018 & 2022 & 2029) Figure 28. United States VS China: Graphite Heat Exchanger Consumption Market Share Comparison (2018 & 2022 & 2029) Figure 29. United States Based Manufacturers Graphite Heat Exchanger Production Market Share 2022 Figure 30. China Based Manufacturers Graphite Heat Exchanger Production Market Share 2022 Figure 31. Rest of World Based Manufacturers Graphite Heat Exchanger Production Market Share 2022 Figure 32. World Graphite Heat Exchanger Production Value by Type, (USD Million), 2018 & 2022 & 2029 Figure 33. World Graphite Heat Exchanger Production Value Market Share by Type in 2022 Figure 34. Shell and Tubes Figure 35. Blocks Figure 36. Plates Figure 37. World Graphite Heat Exchanger Production Market Share by Type (2018 - 2029)Figure 38. World Graphite Heat Exchanger Production Value Market Share by Type (2018-2029)Figure 39. World Graphite Heat Exchanger Average Price by Type (2018-2029) & (US\$/Sqm) Figure 40. World Graphite Heat Exchanger Production Value by Application, (USD Million), 2018 & 2022 & 2029 Figure 41. World Graphite Heat Exchanger Production Value Market Share by Application in 2022 Figure 42. Chemical Industrial Figure 43. Petrochemical Industrial Figure 44. Metal Surface Treatment Industrial Figure 45. Pharmaceutical Industrial Figure 46. Food and Beverage Industrial Figure 47. Others Figure 48. World Graphite Heat Exchanger Production Market Share by Application (2018-2029)Figure 49. World Graphite Heat Exchanger Production Value Market Share by Application (2018-2029) Figure 50. World Graphite Heat Exchanger Average Price by Application (2018-2029) &



(US\$/Sqm)

- Figure 51. Graphite Heat Exchanger Industry Chain
- Figure 52. Graphite Heat Exchanger Procurement Model
- Figure 53. Graphite Heat Exchanger Sales Model
- Figure 54. Graphite Heat Exchanger Sales Channels, Direct Sales, and Distribution
- Figure 55. Methodology
- Figure 56. Research Process and Data Source



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