

Automotive Heat Exchanger Market by Propulsion & Component (ICE, EV), Electric Vehicle Type (BEV, PHEV, HEV), Design (Plate Bar, Tube Fin), Vehicle Type, Off-Highway Vehicle Type (Passenger Car, LCV, Truck, Bus) and Region - Global Forecast to 2027

<https://marketpublishers.com/r/B28DBF2AC5EEN.html>

Date: June 2022

Pages: 304

Price: US\$ 4,950.00 (Single User License)

ID: B28DBF2AC5EEN

Abstracts

The global automotive heat exchanger market is projected to grow from USD 28.9 billion in 2022 to USD 34.3 billion by 2027, at a CAGR of 3.5%. Parameters such as increase in demand for hybrid and plug-in hybrid vehicles, along with steady increase in vehicle production will increase the demand for the automotive heat exchangers. In addition, the advancements in mobility solutions, paired with increase in demand for battery thermal management systems will create new opportunities for this market.

“PHEV segment is expected to grow at a significant rate during the forecast period, by electric vehicle type.”

The PHEV segment of the automotive heat exchanger market is projected to grow at the noticeable rate during the forecast period. PHEVs have rechargeable batteries that can be charged by connecting to external power sources. PHEVs share attributes of both electric vehicles and traditional ICE vehicles. PHEVs have a higher electric range than HEVs and lack range anxiety associated with BEVs. Also, PHEVs can cover greater distances than BEVs due to the presence of an ICE. There are two major types of PHEVs: series PHEV and parallel PHEV. In series PHEVs, only the electric motor is connected to the wheels, and the ICE is used to generate power for the electric energy. On the other hand, both the electric motor and ICE are connected to the powertrain in parallel PHEVs.

The increasing number of charging stations in China, the US, and the UK is expected to

increase PHEV demand. The demand for PHEVs is also expected to rise due to tax benefits and incentives provided by various governments. For instance, the Japanese government provides subsidies up to USD 8,500 for PHEVs. Countries in Europe, North America, and Asia Pacific have supported PHEV growth through vehicle ownership tax reductions, state incentives, charging-based incentives, and a high fuel price difference.

“North America is expected to be the second-largest market during the forecast period.”

The North American region is estimated to demonstrate significant growth during the forecast period. North America has presence of several major OEMs such as Ford, General Motors, and Fiat-Chrysler. In addition, presence of key automotive heat exchanger manufacturers such as Dana Incorporated (US), Modine Manufacturing Company (US), BorgWarner Inc. (US), and Griffin Thermal Products (US) will also offer the requisite impetus to the automotive heat exchanger market in North America during the forecast period. The US is estimated to account for the largest share of the North American automotive heat exchanger market. The US automotive industry is highly inclined toward innovation, technology, and the development of safe and comfortable automobiles. The US automotive sector is still highly dependent on ICE vehicles, making it the prominent segment. In 2021, the country produced over 6.3 million passenger cars (including SUVs). The country also has many electric vehicle manufacturing companies such as Tesla, GM, and Nissan.

“Construction Equipment segment is estimated to be the largest market in terms of value in the automotive heat exchanger market during the forecast period”

Construction Equipment is expected to be the largest segment by application during the forecast period. Construction is an important industry, especially in regions such as Asia Pacific, where the government is driving infrastructure-oriented construction by implementing stimulus packages. Post COVID-19, China is focusing on constructing new digital infrastructure across the country, including building 5G networks, intercity high-speed rail, AI, IoT, ultra-high voltage power transmission, and setting up R&D institutions. China will spend approximately USD 1.4 trillion on digital infrastructure by 2025. In addition, in March 2021, the Government of India passed a bill to set up the National Bank for Financing Infrastructure and Development (NaBFID) to fund infrastructure projects in the country. Such factors are expected to drive the construction sector in Asia Pacific. Further, technological advancements in construction equipment and increasing infrastructure developments in growing economies are key factors

expected to support the growth of the heat exchanger market for construction equipment.

In-depth interviews were conducted with CEOs, marketing directors, other innovation and technology directors, and executives from various key organizations operating in this market.

By Company Type: OEMs - 24%, Tier I - 67%, and Others - 9%

By Designation: CXOs - 33%, Managers - 52%, and Others - 15%

By Region: North America - 41%, Europe - 23%, Asia Pacific - 32%, and RoW - 4%

The automotive heat exchanger market is dominated by major players including Denso Corporation (Japan), MAHLE GmbH (Germany), Valeo (France), Hanon Systems (South Korea), and T.RAD Co., Ltd. (Japan). These companies have strong product portfolio as well as strong distribution networks at the global level.

Research Coverage:

The report covers the automotive heat exchanger market, in terms of Propulsion & Component (ICE, and EV), Design (Plate Bar, Tube Fin, and Others), Electric Vehicle Type (BEV, PHEV, & HEV), Vehicle Type (Passenger Car, LCV, Truck, Bus), Off-Highway Vehicle Type (Agriculture Equipment, and Construction Equipment), and Region (Asia Pacific, Europe, North America, and Row). It covers the competitive landscape and company profiles of the major players in the automotive heat exchanger market ecosystem.

The study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies.

Key Benefits of Buying the Report:

The report will help market leaders/new entrants in this market with information on the closest approximations of revenue numbers for the overall automotive heat exchanger market and its subsegments.

This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies.

The report also helps stakeholders understand the pulse of the market and provides them information on key market drivers, restraints, challenges, and opportunities.

The report also helps stakeholders understand the current and future pricing trend of different automotive heat exchangers based on their capacity.

Contents

1 INTRODUCTION

1.1 OBJECTIVES OF THE STUDY

1.2 MARKET DEFINITION

TABLE 1 AUTOMOTIVE HEAT EXCHANGER MARKET DEFINITION, BY ELECTRIC VEHICLE TYPE

TABLE 2 AUTOMOTIVE HEAT EXCHANGER MARKET DEFINITION, BY VEHICLE TYPE

TABLE 3 AUTOMOTIVE HEAT EXCHANGER MARKET DEFINITION, BY COMPONENT

TABLE 4 AUTOMOTIVE HEAT EXCHANGER MARKET DEFINITION, BY DESIGN

1.2.1 INCLUSIONS & EXCLUSIONS

TABLE 5 INCLUSIONS & EXCLUSIONS IN AUTOMOTIVE HEAT EXCHANGER MARKET

1.3 MARKET SCOPE

FIGURE 1 MARKETS COVERED

1.3.1 YEARS CONSIDERED FOR STUDY

1.4 CURRENCY & PRICING

TABLE 6 CURRENCY EXCHANGE RATES

1.5 PACKAGE SIZE

1.6 STAKEHOLDERS

1.7 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 AUTOMOTIVE HEAT EXCHANGER MARKET: RESEARCH DESIGN

FIGURE 3 RESEARCH DESIGN MODEL

2.1.1 SECONDARY DATA

2.1.1.1 Key secondary sources for automotive heat exchanger market

2.1.1.2 Key data from secondary sources

2.1.2 PRIMARY DATA

FIGURE 4 BREAKDOWN OF PRIMARY INTERVIEWS

2.1.2.1 List of primary participants

2.2 MARKET SIZE ESTIMATION

FIGURE 5 RESEARCH METHODOLOGY: HYPOTHESIS BUILDING

2.2.1 BOTTOM-UP APPROACH

FIGURE 6 AUTOMOTIVE HEAT EXCHANGER MARKET SIZE: BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

2.2.3 TOP-DOWN APPROACH: AUTOMOTIVE HEAT EXCHANGER MARKET
FIGURE 7 AUTOMOTIVE HEAT EXCHANGER MARKET: MARKET ESTIMATION NOTES

FIGURE 8 AUTOMOTIVE HEAT EXCHANGER MARKET: RESEARCH DESIGN & METHODOLOGY FOR ICE VEHICLES - DEMAND SIDE

FIGURE 9 AUTOMOTIVE HEAT EXCHANGER MARKET: RESEARCH DESIGN & METHODOLOGY FOR ELECTRIC VEHICLES – DEMAND SIDE

FIGURE 10 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP (SUPPLY SIDE) - COLLECTIVE MARKET SHARE OF MAJOR PLAYERS

2.3 DATA TRIANGULATION

FIGURE 11 DATA TRIANGULATION METHODOLOGY

2.4 FACTOR ANALYSIS

FIGURE 12 FACTOR ANALYSIS: AUTOMOTIVE HEAT EXCHANGER MARKET

2.4.1 FACTOR ANALYSIS FOR MARKET SIZING: DEMAND AND SUPPLY SIDES

2.5 RESEARCH ASSUMPTIONS

2.6 RESEARCH LIMITATIONS

3 EXECUTIVE SUMMARY

FIGURE 13 AUTOMOTIVE HEAT EXCHANGER MARKET OVERVIEW

FIGURE 14 AUTOMOTIVE HEAT EXCHANGER MARKET, BY REGION, 2022–2027

FIGURE 15 AUTOMOTIVE HEAT EXCHANGER MARKET, BY DESIGN, 2022 VS. 2027

FIGURE 16 KEY PLAYERS IN AUTOMOTIVE HEAT EXCHANGER MARKET

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN AUTOMOTIVE HEAT EXCHANGER MARKET

FIGURE 17 STEADY SURGE IN MOTOR VEHICLE PRODUCTION TO DRIVE MARKET

4.2 AUTOMOTIVE HEAT EXCHANGER MARKET, BY REGION

FIGURE 18 ASIA PACIFIC PROJECTED TO BE LARGEST MARKET

4.3 AUTOMOTIVE HEAT EXCHANGER MARKET, BY PROPULSION

FIGURE 19 ICE ESTIMATED TO BE LARGER SEGMENT OF MARKET (USD MILLION)

4.4 AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE + EV)

FIGURE 20 EXHAUST GAS HEAT EXCHANGER TO BE LARGEST SEGMENT OF MARKET (USD MILLION)

4.5 AUTOMOTIVE HEAT EXCHANGER MARKET, BY DESIGN

FIGURE 21 TUBE FIN TO BE LARGEST SEGMENT OF MARKET (USD MILLION)

4.6 AUTOMOTIVE HEAT EXCHANGER MARKET, BY ELECTRIC VEHICLE TYPE

FIGURE 22 HEV EXPECTED TO BE LARGEST SEGMENT OF MARKET IN 2022 (USD MILLION)

4.7 AUTOMOTIVE HEAT EXCHANGER MARKET, BY VEHICLE TYPE

FIGURE 23 PASSENGER CAR EXPECTED TO BE LARGEST SEGMENT OF MARKET, 2022 VS. 2027 (USD MILLION)

4.8 AUTOMOTIVE HEAT EXCHANGER MARKET, BY OFF-HIGHWAY VEHICLE

FIGURE 24 CONSTRUCTION EQUIPMENT EXPECTED TO BE LARGER SEGMENT OF MARKET, 2022 VS. 2027 (USD MILLION)

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 25 AUTOMOTIVE HEAT EXCHANGER MARKET: MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Revival of automotive industry

FIGURE 26 FOUR MAJOR CHALLENGES AMID COVID-19 CRISIS FOR AUTOMOBILE MANUFACTURERS

FIGURE 27 GLOBAL ICE VEHICLE SALES & PRODUCTION, 2020 & 2021

5.2.1.2 Increase in demand for hybrid and plug-in hybrid vehicles

FIGURE 28 GLOBAL PHEV CAR STOCK, 2017-2020, BY REGION

FIGURE 29 GLOBAL PHEV CAR SALES, 2016-2021

5.2.1.3 Increasing adoption of HVAC systems in high-end commercial and off-highway vehicles

TABLE 7 ROAD TRAFFIC DEATH RATES, PER 100,000 POPULATION

FIGURE 30 DECADE OF ACTION FOR ROAD SAFETY, 2021-2030

5.2.2 RESTRAINTS

5.2.2.1 Increasing demand for BEVs

FIGURE 31 GLOBAL BEV CAR SALES, 2016-2021

5.2.2.2 Anticipated decline in sales of ICE vehicles

FIGURE 32 EV SHIFT AND TARGET OF COUNTRIES AROUND THE WORLD

TABLE 8 LIST OF OEMS AND TARGET FOR PHASING OUT ICE VEHICLES

5.2.3 OPPORTUNITIES

5.2.3.1 Increase in demand for battery thermal management systems

5.2.3.2 Advancements in mobility solutions

5.2.4 CHALLENGES

5.2.4.1 Upcoming emission norms pose challenge for EGR and intercoolers

FIGURE 33 ON-ROAD LIGHT AND HEAVY-DUTY VEHICLE EMISSION

REGULATION OUTLOOK

TABLE 9 AUTOMOTIVE HEAT EXCHANGER MARKET: IMPACT OF MARKET DYNAMICS

5.3 TRENDS & DISRUPTIONS IMPACTING MARKET

FIGURE 34 REVENUE SHIFT DRIVING AUTOMOTIVE HEAT EXCHANGER MARKET

5.4 AUTOMOTIVE HEAT EXCHANGER MARKET SCENARIOS (2022–2027)

FIGURE 35 AUTOMOTIVE HEAT EXCHANGER MARKET – FUTURE TRENDS & SCENARIOS, 2022–2027 (USD MILLION)

5.4.1 MOST LIKELY SCENARIO

TABLE 10 MOST LIKELY SCENARIO, BY REGION, 2022–2027 (USD MILLION)

5.4.2 OPTIMISTIC SCENARIO

TABLE 11 OPTIMISTIC SCENARIO, BY REGION, 2022–2027 (USD MILLION)

5.4.3 PESSIMISTIC SCENARIO

TABLE 12 PESSIMISTIC SCENARIO, BY REGION, 2022–2027 (USD MILLION)

5.5 PORTER'S FIVE FORCES

FIGURE 36 PORTER'S FIVE FORCES: AUTOMOTIVE HEAT EXCHANGER MARKET

TABLE 13 AUTOMOTIVE HEAT EXCHANGER MARKET: IMPACT OF PORTER'S 5 FORCES

5.5.1 THREAT OF SUBSTITUTES

5.5.2 THREAT OF NEW ENTRANTS

5.5.3 BARGAINING POWER OF BUYERS

5.5.4 BARGAINING POWER OF SUPPLIERS

5.5.5 RIVALRY AMONG EXISTING COMPETITORS

5.6 AUTOMOTIVE HEAT EXCHANGER MARKET ECOSYSTEM

FIGURE 37 AUTOMOTIVE HEAT EXCHANGER MARKET: ECOSYSTEM ANALYSIS

TABLE 14 AUTOMOTIVE HEAT EXCHANGER MARKET: ROLE OF COMPANIES IN ECOSYSTEM

5.7 VALUE CHAIN ANALYSIS

FIGURE 38 VALUE CHAIN ANALYSIS: AUTOMOTIVE HEAT EXCHANGER MARKET

5.8 PRICING ANALYSIS

FIGURE 39 AVERAGE PRICING OF AUTOMOTIVE HEAT EXCHANGERS IN ASIA PACIFIC, 2022 & 2027

FIGURE 40 AVERAGE PRICING OF AUTOMOTIVE HEAT EXCHANGERS IN EUROPE, 2022 & 2027

FIGURE 41 AVERAGE PRICING OF AUTOMOTIVE HEAT EXCHANGERS IN NORTH

AMERICA, 2022 & 2027

FIGURE 42 AVERAGE PRICING OF AUTOMOTIVE HEAT EXCHANGERS IN REST OF THE WORLD, 2022 & 2027

5.9 MACROECONOMIC INDICATORS

5.9.1 GDP TRENDS AND FORECAST FOR MAJOR ECONOMIES

TABLE 15 GDP TRENDS AND FORECAST, BY MAJOR ECONOMIES, 2018–2026 (USD BILLION)

5.9.2 WORLD MOTOR VEHICLE PRODUCTION STATISTICS, 2020 & 2021

TABLE 16 WORLD MOTOR VEHICLE PRODUCTION STATISTICS IN 2021 (UNITS)

TABLE 17 WORLD MOTOR VEHICLE PRODUCTION STATISTICS IN 2020 (UNITS)

5.10 PATENT ANALYSIS

FIGURE 43 PUBLICATION TRENDS (2012-2021)

5.11 LEGAL STATUS OF PATENTS (2012-2021)

FIGURE 44 LEGAL STATUS OF PATENTS FILED FOR AUTOMOTIVE HEAT EXCHANGERS (2012-2021)

5.12 TOP PATENT APPLICANTS (2012-2021)

FIGURE 45 AUTOMOTIVE HEAT EXCHANGERS, BY APPLICANT

TABLE 18 IMPORTANT PATENT REGISTRATIONS RELATED TO AUTOMOTIVE HEAT EXCHANGER MARKET

5.13 CASE STUDY

TABLE 19 HIETA TECHNOLOGIES LTD: WATER CHARGE AIR COOLER

5.14 TECHNOLOGY ANALYSIS

5.14.1 BATTERY THERMAL MANAGEMENT SYSTEM

5.14.2 INDIRECT CHARGE AIR COOLING

FIGURE 46 COOLANT CIRCUIT IN INDIRECT CHARGE AIR

5.14.3 LIQUID-COOLED CHARGE AIR COOLERS

5.15 TRADE ANALYSIS

5.15.1 IMPORT SCENARIO (HS CODE 870891)

FIGURE 47 IMPORTS, BY KEY COUNTRIES, 2017–2021 (USD MILLION)

5.15.2 EXPORT SCENARIO (HS CODE 870891)

FIGURE 48 EXPORTS, BY KEY COUNTRIES, 2017–2021 (USD MILLION)

5.15.3 IMPORT SCENARIO (HS CODE 841520)

FIGURE 49 IMPORTS, BY KEY COUNTRIES, 2016–2020 (USD MILLION)

5.15.4 EXPORT SCENARIO (HS CODE 841520)

FIGURE 50 EXPORTS, BY KEY COUNTRIES, 2016–2020 (USD MILLION)

5.16 REGULATORY OVERVIEW

TABLE 20 REGULATIONS FOR AUTOMOTIVE HEAT EXCHANGERS

5.17 KEY CONFERENCE & EVENTS IN 2022 & 2023

TABLE 21 AUTOMOTIVE HEAT EXCHANGER MARKET: DETAILED LIST OF

CONFERENCES & EVENTS

TABLE 22 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 23 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 24 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.18 KEY STAKEHOLDERS & BUYING CRITERIA

5.18.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 51 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP 4 VEHICLE TYPES

TABLE 25 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP 4 COMPONENTS (%)

5.18.2 BUYING CRITERIA

FIGURE 52 KEY BUYING CRITERIA FOR TOP 4 COMPONENTS

TABLE 26 KEY BUYING CRITERIA FOR TOP 4 COMPONENTS

6 AUTOMOTIVE HEAT EXCHANGER MARKET, BY PROPULSION & COMPONENT

6.1 INTRODUCTION

FIGURE 53 ICE TO HOLD LARGER MARKET SHARE IN TERMS OF VALUE, 2022-2027

TABLE 27 AUTOMOTIVE HEAT EXCHANGER MARKET, BY PROPULSION, 2018–2021 (THOUSAND UNITS)

TABLE 28 AUTOMOTIVE HEAT EXCHANGER MARKET, BY PROPULSION, 2022–2027 (THOUSAND UNITS)

TABLE 29 AUTOMOTIVE HEAT EXCHANGER MARKET, BY PROPULSION, 2018–2021 (USD MILLION)

TABLE 30 AUTOMOTIVE HEAT EXCHANGER MARKET, BY PROPULSION, 2022–2027 (USD MILLION)

6.1.1 OPERATIONAL DATA

TABLE 31 MOTOR VEHICLE SALES, BY VEHICLE TYPE (THOUSAND UNITS)

6.1.2 ASSUMPTIONS

TABLE 32 ASSUMPTIONS: BY PROPULSION TYPE & COMPONENT

6.1.3 RESEARCH METHODOLOGY

6.2 ICE

6.2.1 REVIVAL OF ICE VEHICLE PRODUCTION TO DRIVE SEGMENT

TABLE 33 ICE HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (THOUSAND UNITS)

TABLE 34 ICE HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (THOUSAND UNITS)

TABLE 35 ICE HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 36 ICE HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (USD MILLION)

6.2.2 ICE AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT

TABLE 37 ICE HEAT EXCHANGER MARKET, BY COMPONENT, 2018–2021 (THOUSAND UNITS)

TABLE 38 ICE HEAT EXCHANGER MARKET, BY COMPONENT, 2022–2027 (THOUSAND UNITS)

TABLE 39 ICE HEAT EXCHANGER MARKET, BY COMPONENT, 2018–2021 (USD MILLION)

TABLE 40 ICE HEAT EXCHANGER MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

6.2.3 ENGINE RADIATOR

6.2.4 CONDENSER

6.2.5 EVAPORATOR

6.2.6 OIL COOLER

6.2.7 HEATER

6.2.8 CHARGE AIR COOLER

6.2.9 EXHAUST GAS HEAT EXCHANGER

6.3 ELECTRIC VEHICLE (BEV, PHEV, & HEV)

6.3.1 GROWING ADOPTION OF ELECTRIC VEHICLES WORLDWIDE TO DRIVE SEGMENT

TABLE 41 ELECTRIC VEHICLE HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (THOUSAND UNITS)

TABLE 42 ELECTRIC VEHICLE HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (THOUSAND UNITS)

TABLE 43 ELECTRIC VEHICLE HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 44 ELECTRIC VEHICLE HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (USD MILLION)

6.3.2 ELECTRIC VEHICLE AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT

TABLE 45 ELECTRIC VEHICLE HEAT EXCHANGER MARKET, BY COMPONENT, 2018–2021 (THOUSAND UNITS)

TABLE 46 ELECTRIC VEHICLE HEAT EXCHANGER MARKET, BY COMPONENT, 2022–2027 (THOUSAND UNITS)

TABLE 47 ELECTRIC VEHICLE HEAT EXCHANGER MARKET, BY COMPONENT, 2018–2021 (USD MILLION)

TABLE 48 ELECTRIC VEHICLE HEAT EXCHANGER MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

6.3.3 BATTERY COOLING SYSTEM

6.3.4 ENGINE RADIATOR

6.3.5 CONDENSER

6.3.6 EVAPORATOR

6.3.7 OIL COOLER

6.3.8 HEATER

6.3.9 CHARGE AIR COOLER

6.3.10 EXHAUST GAS HEAT EXCHANGER

6.4 KEY PRIMARY INSIGHTS

7 AUTOMOTIVE HEAT EXCHANGER MARKET, BY DESIGN

7.1 INTRODUCTION

FIGURE 54 AUTOMOTIVE HEAT EXCHANGER MARKET, BY DESIGN, 2022 VS. 2027 (USD MILLION)

TABLE 49 AUTOMOTIVE HEAT EXCHANGER MARKET, BY DESIGN, 2018–2021 (THOUSAND UNITS)

TABLE 50 AUTOMOTIVE HEAT EXCHANGER MARKET, BY DESIGN, 2022–2027 (THOUSAND UNITS)

TABLE 51 AUTOMOTIVE HEAT EXCHANGER MARKET, BY DESIGN, 2018–2021 (USD MILLION)

TABLE 52 AUTOMOTIVE HEAT EXCHANGER MARKET, BY DESIGN, 2022–2027 (USD MILLION)

7.1.1 OPERATIONAL DATA

TABLE 53 PRODUCT OFFERING BY LEADING HEAT EXCHANGER MANUFACTURERS, BY DESIGN

7.1.2 ASSUMPTIONS

TABLE 54 ASSUMPTIONS: BY DESIGN

7.1.3 RESEARCH METHODOLOGY

7.2 PLATE BAR

7.2.1 INCREASING HCV PRODUCTION TO DRIVE DEMAND

TABLE 55 PLATE BAR AUTOMOTIVE HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (THOUSAND UNITS)

TABLE 56 PLATE BAR AUTOMOTIVE HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (THOUSAND UNITS)

TABLE 57 PLATE BAR AUTOMOTIVE HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 58 PLATE BAR AUTOMOTIVE HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (USD MILLION)

7.3 TUBE FIN

7.3.1 LOW COST AND SIMPLE DESIGN TO DRIVE DEMAND

TABLE 59 TUBE FIN AUTOMOTIVE HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (THOUSAND UNITS)

TABLE 60 TUBE FIN AUTOMOTIVE HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (THOUSAND UNITS)

TABLE 61 TUBE FIN AUTOMOTIVE HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 62 TUBE FIN AUTOMOTIVE HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (USD MILLION)

7.4 OTHERS

TABLE 63 OTHER AUTOMOTIVE HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (THOUSAND UNITS)

TABLE 64 OTHER AUTOMOTIVE HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (THOUSAND UNITS)

TABLE 65 OTHER AUTOMOTIVE HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 66 OTHER AUTOMOTIVE HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (USD MILLION)

7.5 KEY PRIMARY INSIGHTS

8 AUTOMOTIVE HEAT EXCHANGER MARKET, BY VEHICLE TYPE

8.1 INTRODUCTION

FIGURE 55 AUTOMOTIVE HEAT EXCHANGER MARKET, BY VEHICLE TYPE, 2022 VS. 2027 (USD MILLION)

TABLE 67 AUTOMOTIVE HEAT EXCHANGER MARKET, BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 68 AUTOMOTIVE HEAT EXCHANGER MARKET, BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 69 AUTOMOTIVE HEAT EXCHANGER MARKET, BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 70 AUTOMOTIVE HEAT EXCHANGER MARKET, BY VEHICLE TYPE, 2022–2027 (USD MILLION)

8.1.1 OPERATIONAL DATA

TABLE 71 GLOBAL PASSENGER CARS AND COMMERCIAL VEHICLES
PRODUCTION DATA, 2021 (THOUSAND UNITS)

8.1.2 ASSUMPTIONS

TABLE 72 ASSUMPTIONS: BY VEHICLE TYPE

8.1.3 RESEARCH METHODOLOGY

8.2 PASSENGER CAR

8.2.1 GROWING DEMAND FOR PREMIUM VEHICLES TO DRIVE SEGMENT

TABLE 73 PASSENGER CAR AUTOMOTIVE HEAT EXCHANGER MARKET, BY
REGION, 2018–2021 (THOUSAND UNITS)

TABLE 74 PASSENGER CAR AUTOMOTIVE HEAT EXCHANGER MARKET, BY
REGION, 2022–2027 (THOUSAND UNITS)

TABLE 75 PASSENGER CAR AUTOMOTIVE HEAT EXCHANGER MARKET, BY
REGION, 2018–2021 (USD MILLION)

TABLE 76 PASSENGER CAR AUTOMOTIVE HEAT EXCHANGER MARKET, BY
REGION, 2022–2027 (USD MILLION)

8.3 LIGHT COMMERCIAL VEHICLE

8.3.1 STRINGENT ENVIRONMENTAL REGULATIONS TO DRIVE SEGMENT

TABLE 77 LIGHT COMMERCIAL VEHICLES HEAT EXCHANGER MARKET, BY
REGION, 2018–2021 (THOUSAND UNITS)

TABLE 78 LIGHT COMMERCIAL VEHICLES HEAT EXCHANGER MARKET, BY
REGION, 2022–2027 (THOUSAND UNITS)

TABLE 79 LIGHT COMMERCIAL VEHICLES HEAT EXCHANGER MARKET, BY
REGION, 2018–2021 (USD MILLION)

TABLE 80 LIGHT COMMERCIAL VEHICLES HEAT EXCHANGER MARKET, BY
REGION, 2022–2027 (USD MILLION)

8.4 TRUCK

8.4.1 STRONG ROAD TRANSPORTATION SECTOR ACROSS THE GLOBE TO
DRIVE SEGMENT

FIGURE 56 US SHIPMENT OF GOODS

TABLE 81 TRUCK HEAT EXCHANGER MARKET, BY REGION, 2018–2021
(THOUSAND UNITS)

TABLE 82 TRUCK HEAT EXCHANGER MARKET, BY REGION, 2022–2027
(THOUSAND UNITS)

TABLE 83 TRUCK HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (USD
MILLION)

TABLE 84 TRUCK HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (USD
MILLION)

8.5 BUS

8.5.1 HIGH DEPENDENCY OF PEOPLE ON PUBLIC TRANSPORT TO DRIVE

SEGMENT

TABLE 85 BUS HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (THOUSAND UNITS)

TABLE 86 BUS HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (THOUSAND UNITS)

TABLE 87 BUS HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 88 BUS HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (USD MILLION)

8.6 KEY PRIMARY INSIGHTS

9 AUTOMOTIVE HEAT EXCHANGER MARKET, BY ELECTRIC VEHICLE TYPE

9.1 INTRODUCTION

FIGURE 57 BEV SEGMENT TO HOLD LARGEST MARKET SHARE, BY VALUE, BY 2027 (USD MILLION)

TABLE 89 AUTOMOTIVE HEAT EXCHANGER MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 90 AUTOMOTIVE HEAT EXCHANGER MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 91 AUTOMOTIVE HEAT EXCHANGER MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 92 AUTOMOTIVE HEAT EXCHANGER MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2027 (USD MILLION)

9.1.1 OPERATIONAL DATA

TABLE 93 ELECTRIC VEHICLE SALES, BY PROPULSION TYPE, 2018–2021 (THOUSAND UNITS)

9.1.2 ASSUMPTIONS

TABLE 94 ASSUMPTIONS: BY ELECTRIC VEHICLE TYPE

9.1.3 RESEARCH METHODOLOGY

9.2 BEV

9.2.1 INCREASING NEED FOR EMISSION-FREE VEHICLES TO DRIVE SEGMENT

TABLE 95 BEV HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (THOUSAND UNITS)

TABLE 96 BEV HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (THOUSAND UNITS)

TABLE 97 BEV HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 98 BEV HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (USD

MILLION)

TABLE 99 BEV HEAT EXCHANGER MARKET, BY COMPONENT, 2018–2021 (USD MILLION)

TABLE 100 BEV HEAT EXCHANGER MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

9.3 HEV

9.3.1 LIMITED DEPENDENCY ON CHARGING INFRASTRUCTURE TO DRIVE SEGMENT

TABLE 101 HEV HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (THOUSAND UNITS)

TABLE 102 HEV HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (THOUSAND UNITS)

TABLE 103 HEV HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 104 HEV HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 105 HEV HEAT EXCHANGER MARKET, BY COMPONENT, 2018–2021 (USD MILLION)

TABLE 106 HEV HEAT EXCHANGER MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

9.4 PHEV

9.4.1 TAX BENEFITS AND INCENTIVES FROM GOVERNMENTS TO DRIVE SEGMENT

TABLE 107 PHEV HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (THOUSAND UNITS)

TABLE 108 PHEV HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (THOUSAND UNITS)

TABLE 109 PHEV HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 110 PHEV HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 111 PHEV HEAT EXCHANGER MARKET, BY COMPONENT, 2018–2021 (USD MILLION)

TABLE 112 PHEV HEAT EXCHANGER MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

9.5 KEY PRIMARY INSIGHTS

10 AUTOMOTIVE HEAT EXCHANGER MARKET, BY OFF-HIGHWAY VEHICLE TYPE

10.1 INTRODUCTION

FIGURE 58 CONSTRUCTION EQUIPMENT TO HOLD LARGER MARKET SHARE IN TERMS OF VALUE, 2022 VS. 2027

TABLE 113 AUTOMOTIVE HEAT EXCHANGER MARKET, BY OFF-HIGHWAY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 114 AUTOMOTIVE HEAT EXCHANGER MARKET, BY OFF-HIGHWAY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 115 AUTOMOTIVE HEAT EXCHANGER MARKET, BY OFF-HIGHWAY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 116 AUTOMOTIVE HEAT EXCHANGER MARKET, BY OFF-HIGHWAY VEHICLE TYPE, 2022–2027 (USD MILLION)

10.1.1 ASSUMPTIONS

TABLE 117 ASSUMPTIONS: BY OFF-HIGHWAY VEHICLE TYPE

10.1.2 RESEARCH METHODOLOGY FOR OFF-HIGHWAY VEHICLE TYPE SEGMENT

10.2 AGRICULTURAL EQUIPMENT

10.2.1 STRONG TRACTOR SALES IN 2021 TO DRIVE SEGMENT

TABLE 118 AGRICULTURAL EQUIPMENT HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 119 AGRICULTURAL EQUIPMENT HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 120 AGRICULTURAL EQUIPMENT HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (THOUSAND UNITS)

TABLE 121 AGRICULTURAL EQUIPMENT HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (THOUSAND UNITS)

10.3 CONSTRUCTION EQUIPMENT

10.3.1 GROWING INFRASTRUCTURAL ACTIVITIES IN ASIA PACIFIC TO DRIVE SEGMENT

TABLE 122 CONSTRUCTION EQUIPMENT HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 123 CONSTRUCTION EQUIPMENT HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 124 CONSTRUCTION EQUIPMENT HEAT EXCHANGER MARKET, BY REGION, 2018–2021 (THOUSAND UNITS)

TABLE 125 CONSTRUCTION EQUIPMENT HEAT EXCHANGER MARKET, BY REGION, 2022–2027 (THOUSAND UNITS)

10.4 KEY PRIMARY INSIGHTS

11 AUTOMOTIVE HEAT EXCHANGER MARKET, BY REGION

11.1 INTRODUCTION

FIGURE 59 AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY REGION, 2022 VS. 2027

TABLE 126 AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY REGION, 2018–2021 (THOUSAND UNITS)

TABLE 127 AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY REGION, 2022–2027 (THOUSAND UNITS)

TABLE 128 AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY REGION, 2018–2021 (USD MILLION)

TABLE 129 AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY REGION, 2022–2027 (USD MILLION)

11.2 ASIA PACIFIC

FIGURE 60 ASIA PACIFIC: AUTOMOTIVE HEAT EXCHANGER MARKET SNAPSHOT

TABLE 130 ASIA PACIFIC: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE + EV), 2018–2021 (USD MILLION)

TABLE 131 ASIA PACIFIC: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE + EV), 2022–2027 (USD MILLION)

TABLE 132 ASIA PACIFIC: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE), 2018–2021 (THOUSAND UNITS)

TABLE 133 ASIA PACIFIC: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE), 2022–2027 (THOUSAND UNITS)

TABLE 134 ASIA PACIFIC: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE), 2018–2021 (USD MILLION)

TABLE 135 ASIA PACIFIC: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE), 2022–2027 (USD MILLION)

TABLE 136 ASIA PACIFIC: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY COUNTRY, 2018–2021 (THOUSAND UNITS)

TABLE 137 ASIA PACIFIC: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY COUNTRY, 2022–2027 (THOUSAND UNITS)

TABLE 138 ASIA PACIFIC: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 139 ASIA PACIFIC: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY COUNTRY, 2022–2027 (USD MILLION)

11.2.1 CHINA

11.2.1.1 Growing passenger vehicle demand to drive market

TABLE 140 CHINA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 141 CHINA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 142 CHINA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 143 CHINA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

11.2.2 INDIA

11.2.2.1 Growth in vehicle sales across categories to drive market

TABLE 144 INDIA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 145 INDIA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 146 INDIA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 147 INDIA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

11.2.3 JAPAN

11.2.3.1 Presence of major automobile manufacturers to drive market

TABLE 148 JAPAN: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 149 JAPAN: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 150 JAPAN: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 151 JAPAN: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

11.2.4 SOUTH KOREA

11.2.4.1 Increasing demand for passenger cars to drive market

TABLE 152 SOUTH KOREA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 153 SOUTH KOREA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 154 SOUTH KOREA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 155 SOUTH KOREA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

11.2.5 REST OF ASIA PACIFIC

TABLE 156 REST OF ASIA PACIFIC: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 157 REST OF ASIA PACIFIC: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 158 REST OF ASIA PACIFIC: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 159 REST OF ASIA PACIFIC: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

11.3 EUROPE

FIGURE 61 EUROPE: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COUNTRY

TABLE 160 EUROPE: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE + EV), 2018–2021 (USD MILLION)

TABLE 161 EUROPE: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE + EV), 2022–2027 (USD MILLION)

TABLE 162 EUROPE: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE), 2018–2021 (THOUSAND UNITS)

TABLE 163 EUROPE: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE), 2022–2027 (THOUSAND UNITS)

TABLE 164 EUROPE: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE), 2018–2021 (USD MILLION)

TABLE 165 EUROPE: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE), 2022–2027 (USD MILLION)

TABLE 166 EUROPE: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COUNTRY, 2018–2021 (THOUSAND UNITS)

TABLE 167 EUROPE: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COUNTRY, 2022–2027 (THOUSAND UNITS)

TABLE 168 EUROPE: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 169 EUROPE: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

11.3.1 FRANCE

11.3.1.1 High production of passenger cars and LCVs to drive market

TABLE 170 FRANCE: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 171 FRANCE: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 172 FRANCE: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 173 FRANCE: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

11.3.2 GERMANY

11.3.2.1 Emission norms and shift toward BEVs & PHEVs to drive market

TABLE 174 GERMANY: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 175 GERMANY: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 176 GERMANY: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 177 GERMANY: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

11.3.3 ITALY

11.3.3.1 Growth in automotive production to drive market

TABLE 178 ITALY: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 179 ITALY: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 180 ITALY: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 181 ITALY: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

11.3.4 SPAIN

11.3.4.1 Demand for heavy trucks to drive market

TABLE 182 SPAIN: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 183 SPAIN: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 184 SPAIN: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 185 SPAIN: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

11.3.5 UK

11.3.5.1 Demand for premium passenger cars to drive market

TABLE 186 UK: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 187 UK: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 188 UK: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 189 UK: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

11.3.6 REST OF EUROPE

TABLE 190 REST OF EUROPE: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 191 REST OF EUROPE: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 192 REST OF EUROPE: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 193 REST OF EUROPE: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

FIGURE 62 TURKEY AUTOMOTIVE INDUSTRY SNAPSHOT

11.4 NORTH AMERICA

FIGURE 63 NORTH AMERICA: AUTOMOTIVE HEAT EXCHANGER MARKET SNAPSHOT

TABLE 194 NORTH AMERICA: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE + EV), 2018–2021 (USD MILLION)

TABLE 195 NORTH AMERICA: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE + EV), 2022–2027 (USD MILLION)

TABLE 196 NORTH AMERICA: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE), 2018–2021 (THOUSAND UNITS)

TABLE 197 NORTH AMERICA: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE), 2022–2027 (THOUSAND UNITS)

TABLE 198 NORTH AMERICA: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE), 2018–2021 (USD MILLION)

TABLE 199 NORTH AMERICA: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE), 2022–2027 (USD MILLION)

TABLE 200 NORTH AMERICA: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COUNTRY, 2018–2021 (THOUSAND UNITS)

TABLE 201 NORTH AMERICA: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COUNTRY, 2022–2027 (THOUSAND UNITS)

TABLE 202 NORTH AMERICA: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 203 NORTH AMERICA: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

11.4.1 CANADA

11.4.1.1 Emission regulations to drive market

TABLE 204 CANADA: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 205 CANADA: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 206 CANADA: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 207 CANADA: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

11.4.2 MEXICO

11.4.2.1 Stringent emission norms to drive market

TABLE 208 MEXICO: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 209 MEXICO: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 210 MEXICO: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 211 MEXICO: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

11.4.3 US

11.4.3.1 Growth in vehicle production to drive market

TABLE 212 US: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 213 US: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 214 US: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 215 US: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

11.5 REST OF THE WORLD

FIGURE 64 REST OF THE WORLD: AUTOMOTIVE HEAT EXCHANGER MARKET, BY COUNTRY, 2022 VS. 2027 (USD MILLION)

TABLE 216 REST OF THE WORLD AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE), 2018–2021 (THOUSAND UNITS)

TABLE 217 REST OF THE WORLD AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE), 2022–2027 (THOUSAND UNITS)

TABLE 218 REST OF THE WORLD AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE), 2018–2021 (USD MILLION)

TABLE 219 REST OF THE WORLD AUTOMOTIVE HEAT EXCHANGER MARKET, BY COMPONENT (ICE), 2022–2027 (USD MILLION)

TABLE 220 REST OF THE WORLD: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY COUNTRY, 2018–2021 (THOUSAND UNITS)

TABLE 221 REST OF THE WORLD: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY COUNTRY, 2022–2027 (THOUSAND UNITS)

TABLE 222 REST OF THE WORLD: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 223 REST OF THE WORLD: AUTOMOTIVE HEAT EXCHANGER MARKET (ICE), BY COUNTRY, 2022–2027 (USD MILLION)

11.5.1 BRAZIL

11.5.1.1 Robust demand for passenger cars and LCVs to drive market

TABLE 224 BRAZIL: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 225 BRAZIL: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 226 BRAZIL: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 227 BRAZIL: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

11.5.2 RUSSIA

11.5.2.1 Decline in vehicle production and heavy economic sanctions to hamper market

TABLE 228 RUSSIA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 229 RUSSIA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 230 RUSSIA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 231 RUSSIA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

11.5.3 SOUTH AFRICA

11.5.3.1 Presence of key OEMs and demand for passenger cars to drive market

TABLE 232 SOUTH AFRICA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 233 SOUTH AFRICA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 234 SOUTH AFRICA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 235 SOUTH AFRICA: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

11.5.4 OTHERS

TABLE 236 OTHERS: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (THOUSAND UNITS)

TABLE 237 OTHERS: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY

VEHICLE TYPE, 2022–2027 (THOUSAND UNITS)

TABLE 238 OTHERS: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 239 OTHERS: AUTOMOTIVE HEAT EXCHANGER MARKET SIZE (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12 COMPETITIVE LANDSCAPE

12.1 OVERVIEW

12.2 REVENUE ANALYSIS OF TOP COMPANIES

FIGURE 65 5-YEAR REVENUE ANALYSIS OF TOP PLAYERS IN AUTOMOTIVE HEAT EXCHANGER MARKET

12.3 MARKET SHARE ANALYSIS

TABLE 240 AUTOMOTIVE HEAT EXCHANGER MARKET: DEGREE OF COMPETITION

12.4 COMPETITIVE SCENARIO

12.4.1 DEALS

TABLE 241 DEALS, 2018–2021

12.4.2 NEW PRODUCT LAUNCHES

TABLE 242 NEW PRODUCT LAUNCHES, 2018–2021

12.4.3 OTHERS, 2018–2021

TABLE 243 EXPANSIONS, 2018–2021

12.5 COMPANY EVALUATION QUADRANT FOR AUTOMOTIVE HEAT EXCHANGER MARKET

12.5.1 STARS

12.5.2 EMERGING LEADERS

12.5.3 PERVASIVE

12.5.4 PARTICIPANTS

FIGURE 66 AUTOMOTIVE HEAT EXCHANGER MARKET: COMPANY EVALUATION QUADRANT, 2021

TABLE 244 AUTOMOTIVE HEAT EXCHANGER MARKET: COMPANY FOOTPRINT, 2021

TABLE 245 AUTOMOTIVE HEAT EXCHANGER MARKET: PRODUCT TYPE FOOTPRINT, 2021

TABLE 246 AUTOMOTIVE HEAT EXCHANGER MARKET: REGIONAL FOOTPRINT, 2021

12.6 COMPETITIVE EVALUATION QUADRANT, SME PLAYERS

12.6.1 PROGRESSIVE COMPANIES

12.6.2 RESPONSIVE COMPANIES

12.6.3 DYNAMIC COMPANIES

12.6.4 STARTING BLOCKS

FIGURE 67 AUTOMOTIVE HEAT EXCHANGER MARKET: COMPETITIVE LEADERSHIP MAPPING FOR SME, 2021

12.7 RIGHT TO WIN, 2018-2021

TABLE 247 RIGHT TO WIN, 2018-2021

13 COMPANY PROFILES

13.1 KEY PLAYERS

(Business overview, Products offered, Recent Developments, MNM view)*

13.1.1 DENSO CORPORATION

TABLE 248 DENSO CORPORATION: BUSINESS OVERVIEW

FIGURE 68 DENSO CORPORATION: COMPANY SNAPSHOT

FIGURE 69 DENSO CORPORATION'S SHAREHOLDERS (2020)

TABLE 249 DENSO CORPORATION: KEY CUSTOMERS

TABLE 250 DENSO CORPORATION: SALES BREAKDOWN BY OEM

TABLE 251 DENSO CORPORATION: MAJOR SUBSIDIARIES AND AFFILIATES

TABLE 252 DENSO CORPORATION: PRODUCTS OFFERED

TABLE 253 DENSO CORPORATION: NEW PRODUCT DEVELOPMENTS

TABLE 254 DENSO CORPORATION: OTHERS

13.1.2 VALEO

TABLE 255 VALEO: BUSINESS OVERVIEW

FIGURE 70 VALEO: COMPANY SNAPSHOT

FIGURE 71 VALEO: ORIGINAL EQUIPMENT SALES BY CUSTOMER PORTFOLIO (2021)

TABLE 256 VALEO: PRODUCTS OFFERED

TABLE 257 VALEO: KEY CUSTOMERS

TABLE 258 VALEO: MAJOR SUPPLY AGREEMENTS

TABLE 259 VALEO: BUSINESS GROUPS WITH MAJOR COMPETITORS

TABLE 260 VALEO: NEW PRODUCT DEVELOPMENTS

TABLE 261 VALEO: DEALS

TABLE 262 VALEO: OTHERS

13.1.3 DANA INCORPORATED

TABLE 263 DANA INCORPORATED: BUSINESS OVERVIEW

FIGURE 72 DANA INCORPORATED: COMPANY SNAPSHOT

FIGURE 73 DANA INCORPORATED: CUSTOMER SALES SNAPSHOT (2020)

TABLE 264 DANA INCORPORATED: PRODUCTS OFFERED

TABLE 265 DANA INCORPORATED: KEY CUSTOMERS

TABLE 266 DANA INCORPORATED: MAJOR SUPPLY AGREEMENTS

TABLE 267 DANA INCORPORATED: COMPETITORS

TABLE 268 DANA INCORPORATED: NUMBER OF MANUFACTURING AND DISTRIBUTION FACILITIES, AS OF DECEMBER 31, 2020

TABLE 269 DANA INCORPORATED: DEALS

TABLE 270 DANA INCORPORATED: OTHERS

13.1.4 MAHLE GMBH

TABLE 271 MAHLE GMBH: BUSINESS OVERVIEW

FIGURE 74 DUAL STRATEGY FOLLOWED BY MAHLE GMBH

FIGURE 75 MAHLE GMBH: COMPANY SNAPSHOT

TABLE 272 MAHLE GMBH: PRODUCTS OFFERED

TABLE 273 MAHLE GMBH: KEY CUSTOMERS

TABLE 274 MAHLE GMBH: MAJOR SUPPLY AGREEMENTS

TABLE 275 MAHLE GMBH: NEW PRODUCT DEVELOPMENTS

TABLE 276 MAHLE GMBH: DEALS

TABLE 277 MAHLE GMBH: OTHERS

13.1.5 HANON SYSTEMS

TABLE 278 HANON SYSTEMS: BUSINESS OVERVIEW

FIGURE 76 HANON SYSTEMS: COMPANY SNAPSHOT

TABLE 279 HANON SYSTEMS: PRODUCTS OFFERED

TABLE 280 HANON SYSTEMS: KEY CUSTOMERS

TABLE 281 HANON SYSTEMS: MAJOR SUPPLY AGREEMENTS

TABLE 282 HANON SYSTEMS: NEW PRODUCT DEVELOPMENTS:

TABLE 283 HANON SYSTEMS: DEALS

TABLE 284 HANON SYSTEMS: OTHERS

13.1.6 MARELLI CORPORATION

TABLE 285 MARELLI CORPORATION: BUSINESS OVERVIEW

TABLE 286 MARELLI CORPORATION: PRODUCTS OFFERED

TABLE 287 MARELLI CORPORATION: KEY CUSTOMERS

TABLE 288 MARELLI CORPORATION: MAJOR SUPPLY AGREEMENTS

TABLE 289 MARELLI CORPORATION: MAJOR AREAS OF R&D

TABLE 290 MARELLI CORPORATION: NEW PRODUCT DEVELOPMENTS:

TABLE 291 MARELLI CORPORATION: DEALS

TABLE 292 MARELLI CORPORATION: OTHERS

13.1.7 SANDEN CORPORATION

TABLE 293 SANDEN CORPORATION: BUSINESS OVERVIEW

FIGURE 77 SANDEN CORPORATION: COMPANY SNAPSHOT

TABLE 294 SANDEN CORPORATION: PRODUCTS OFFERED

TABLE 295 SANDEN CORPORATION: KEY CUSTOMERS

TABLE 296 SANDEN CORPORATION: MAJOR SUPPLY AGREEMENTS
TABLE 297 SANDEN CORPORATION: NEW PRODUCT DEVELOPMENTS
TABLE 298 SANDEN CORPORATION: DEALS
TABLE 299 SANDEN CORPORATION: OTHER DEVELOPMENTS

13.1.8 T.RAD CO. LTD.

TABLE 300 T.RAD CO. LTD.: BUSINESS OVERVIEW
FIGURE 78 T.RAD CO. LTD.: COMPANY SNAPSHOT
TABLE 301 T.RAD CO. LTD.: PRODUCT RANGE OFFERED
TABLE 302 T.RAD CO. LTD.: DEALS
TABLE 303 T.RAD CO. LTD.: OTHER DEVELOPMENTS

13.1.9 AKG GROUP

TABLE 304 AKG GROUP: BUSINESS OVERVIEW
TABLE 305 AKG GROUP: PRODUCTS OFFERED
TABLE 306 AKG GROUP: DEVELOPMENTS

13.1.10 NIPPON LIGHT METAL HOLDINGS COMPANY, LTD.

TABLE 307 NIPPON LIGHT METAL HOLDINGS COMPANY, LTD.: BUSINESS OVERVIEW
FIGURE 79 NIPPON LIGHT METAL HOLDINGS COMPANY, LTD.: COMPANY SUBSIDIARIES
FIGURE 80 NIPPON LIGHT METAL HOLDINGS COMPANY, LTD.: COMPANY SNAPSHOT
TABLE 308 NIPPON LIGHT METAL HOLDINGS COMPANY, LTD.: PRODUCTS OFFERED

13.1.11 MODINE MANUFACTURING COMPANY

TABLE 309 MODINE MANUFACTURING COMPANY: BUSINESS OVERVIEW
FIGURE 81 MODINE MANUFACTURING COMPANY: COMPANY SNAPSHOT
TABLE 310 MODINE MANUFACTURING COMPANY: PRODUCTS OFFERED
TABLE 311 MODINE MANUFACTURING COMPANY: DEALS
TABLE 312 MODINE MANUFACTURING COMPANY: OTHERS

*Details on Business overview, Products offered, Recent Developments, MNM view might not be captured in case of unlisted companies.

13.2 OTHER KEY PLAYERS

13.2.1 CLIZEN INC.

TABLE 313 CLIZEN INC.: BUSINESS OVERVIEW

13.2.2 SM AUTO ENGINEERING PVT LTD.

TABLE 314 SM AUTO ENGINEERING PVT LTD.: BUSINESS OVERVIEW

13.2.3 GRIFFIN THERMAL PRODUCTS

TABLE 315 GRIFFIN THERMAL PRODUCTS: BUSINESS OVERVIEW

13.2.4 BANCO PRODUCTS (INDIA) LTD.

TABLE 316 BANCO PRODUCTS (INDIA) LTD.: BUSINESS OVERVIEW

13.2.5 NISSENS AUTOMOTIVE A/S

TABLE 317 NISSENS AUTOMOTIVE A/S: BUSINESS OVERVIEW

13.2.6 G&M RADIATOR

TABLE 318 G&M RADIATOR: BUSINESS OVERVIEW

13.2.7 SENIOR PLC

TABLE 319 SENIOR PLC: BUSINESS OVERVIEW

13.2.8 BORGWARNER INC.

TABLE 320 BORGWARNER INC.: BUSINESS OVERVIEW

13.2.9 SWAMI VESSELS PRIVATE LIMITED

TABLE 321 SWAMI VESSELS PRIVATE LIMITED: BUSINESS OVERVIEW

13.2.10 CLIMETAL S.L.

TABLE 322 CLIMETAL S.L.: BUSINESS OVERVIEW

13.2.11 TYC BROTHER INDUSTRIAL CO., LTD.

TABLE 323 TYC BROTHER INDUSTRIAL CO., LTD.: BUSINESS OVERVIEW

14 RECOMMENDATIONS BY MARKETSDANDMARKETS

14.1 ASIA PACIFIC TO DOMINATE AUTOMOTIVE HEAT EXCHANGER MARKET

14.2 CHINA AND INDIA WILL BE PROMISING MARKETS FOR MANUFACTURERS
IN COMING YEARS

14.3 BEV TO EMERGE AS FASTEST-GROWING SEGMENT

14.4 CONCLUSION

15 APPENDIX

15.1 KEY INSIGHTS OF INDUSTRY EXPERTS

15.2 DISCUSSION GUIDE

15.3 KNOWLEDGE STORE: MARKETSDANDMARKETS SUBSCRIPTION PORTAL

15.4 AVAILABLE CUSTOMIZATIONS

15.5 RELATED REPORTS

15.6 AUTHOR DETAILS

About

The report "Bioplastics & Biopolymers Market by Type (Non-biodegradable, Biodegradable), End-use Industry (Packaging, Consumer Goods, Automotive, Textiles, Agriculture) and Region (APAC, North America, Europe, and RoW) - Trends & Forecast to 2023" The Bioplastics & Biopolymers market is projected to grow from USD 6.95 billion in 2018 to USD 14.92 billion by 2023, at a CAGR of 16.5% from 2018 to 2023. Increasing demand for bioplastics from the packaging industry, favorable government policies, increase in waste management regulations in Europe, and increasing concern for human health are projected to drive the bioplastics & biopolymers market. Increase in regulations is expected to propel the growth rate of the market.

Major companies profiled in this report include:

NatureWorks (US), Braskem (Brazil), Novamont (Italy), BASF (Germany), Total Corbion PLA (Netherlands), Biome Bioplastics (UK), Bio-On (Italy), Toray Industries (Japan), Plantic Technologies (Australia), and Mitsubishi Chemical Corporation (Japan) among others. These players have established a strong foothold in the market by adopting strategies such as investment & expansion, new product launch, agreement, partnership & joint venture, and merger & acquisition.

The report offers insights on bioplastics & biopolymers used in various end-use industries across regions. It aims at estimating the size of the bioplastics & biopolymers market during the forecast period and projects future growth of the market across different segments, such as type, end-use industry, and region. The report also includes an in-depth competitive analysis of the key players in the bioplastics & biopolymers market, along with their company profiles, SWOT analysis, recent developments, and key market strategies.

This study was validated through primaries conducted with various industry experts worldwide. The primary sources were divided into three categories, namely, company type, designation, and region.

By Company Type – Tier 1: 35%, Tier 2: 35%, and Tier 3: 30%

By Designation - C Level: 40%, Director Level: 40%, and Others: 20%

By Region - North America: 20%, Europe: 20%, APAC: 50%, and RoW: 10%

On the basis of end-use industry, packaging is estimated to lead the bioplastics & biopolymers market in 2018

Packaging is the largest end-use industry for bioplastics & biopolymers. The need for sustainable solutions has encompassed several industry verticals, including food & beverage. In addition, enhanced industrial & manufacturing technologies have enabled the food & beverage companies to incorporate bioplastics in packaging. The demand for packaging made from bioplastics for wrapping organic food as well as for premium and branded products is on the rise. Preference for packaging materials made from natural or organic polymers, derived from biomass sources, such as fats, oils, starch, and microbiota, is driving the market in the packaging end-use industry.

On the basis of sub-type, bio-PET is projected to register the highest CAGR during the forecast period

Bio-PET is the most widely used sub-type of non-biodegradable bioplastics & biopolymers. Owing to its high durability that matches its fossil fuel-based counterpart, it is expected to witness a high growth during the forecast period. Bio-PET can be used in the same applications, such as bottles and flexible films, as served by its counterparts. Rising consumption of beverages coupled with regulations imposed by various governments to reduce emissions in countries such as Japan, Canada, and the US contribute to the growth of the bio-PET market. In addition, strategies of companies such as PepsiCo and Coca-Cola toward sustainable packaging for carbonated soft drinks is also likely to drive the bio-PET segment.

On the basis of region, Europe is estimated to lead the bioplastics & biopolymers market in 2018

Europe is the largest bioplastics & biopolymers market and is one of the major producers of plastics. It is also one of the leading packaging markets, globally. These factors have been responsible for the development of bio-based plastics with collaborative research, which, in turn, is expected to transform Europe's plastics industry. The political and economic conditions have also driven the market penetration of bioplastics & biopolymers. The EU Commission has focused on the Lead Markets Initiative where bioplastics have been identified as one of the most important potential markets. Europe has, thus, become one of the major consumers of bioplastics & biopolymers.

I would like to order

Product name: Automotive Heat Exchanger Market by Propulsion & Component (ICE, EV), Electric Vehicle Type (BEV, PHEV, HEV), Design (Plate Bar, Tube Fin), Vehicle Type, Off-Highway Vehicle Type (Passenger Car, LCV, Truck, Bus) and Region - Global Forecast to 2027

Product link: <https://marketpublishers.com/r/B28DBF2AC5EEN.html>

Price: US\$ 4,950.00 (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/B28DBF2AC5EEN.html>