

# US Automotive E-compressor Market Size study, by Type (Pressure Decay Testing, Helium Sniff Testing) by End-use (Automotive & Transportation, Medical & Pharmaceutical, Packaging, Industrial, Aerospace and Defence, Power and Energy) Forecasts 2022-2032

<https://marketpublishers.com/r/U2340754FA9AEN.html>

Date: June 2024

Pages: 200

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

ID: U2340754FA9AEN

## Abstracts

US Automotive E-compressor Market is valued approximately at USD 486.67 million in 2023 and is anticipated to grow with a healthy growth rate of more than 11.47% over the forecast period 2024-2032. Automotive E-compressor refer to component in modern automotive systems designed to enhance engine performance and efficiency in vehicles enabled with turbocharged or supercharged engines. This compressor operates independently and helps to eliminate turbo lag, which is the delay in power delivery experienced with traditional turbocharged engines. Furthermore, rising development of more compact and lightweight e-compressor designs are gaining attention towards US Automotive E-compressor Market. Compact e-compressor designs allow for more flexible vehicle packaging because they take up less room inside the vehicle. This is crucial for electric cars due to their substantial battery packs occupy large space. Compact e-compressors improve the overall functionality and design of electric vehicles through ensuring more efficient use of the available space.

US Automotive E-compressor Market is driven by rising demand of electric vehicles and government initiatives to lower greenhouse gas emissions across the region. Electric vehicles require efficient thermal management systems to regulate the temperature of critical components such as batteries, power electronics, and electric motors. E-compressors are essential components of these systems, as they provide heating and cooling functions for the cabin and battery thermal management. In addition, governments often provide funding for research and development projects focused on advancing clean energy technologies, including electric vehicle components like e-

compressors. this funding accelerates innovation in the e-compressor market, leading to the development of more efficient and advanced technologies. However, high cost of automotive e-compressor and risk of failure is going to impede the overall demand for the market during the forecast period 2024-2032.

Major market player included in this report are:

T/CCI Manufacturing LLC

Kobelco Compressors America, Inc

Sauer Compressors USA Inc

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

by Type

Pressure Decay Testing

Helium Sniff Testing

by End-use

Automotive & Transportation

Medical & Pharmaceutical

Packaging

Industrial

Aerospace and Defence

Power and Energy

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.  
Detailed analysis of geographical landscape with Country level analysis of major regions.  
Competitive landscape with information on major players in the market.  
Analysis of key business strategies and recommendations on future market approach.  
Analysis of competitive structure of the market.  
Demand side and supply side analysis of the market.

## Contents

### **CHAPTER 1. US AUTOMOTIVE E-COMPRESSOR MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
  - 1.3.1. Inclusion & Exclusion
  - 1.3.2. Limitations
  - 1.3.3. Supply Side Analysis
    - 1.3.3.1. Availability
    - 1.3.3.2. Infrastructure
    - 1.3.3.3. Regulatory Environment
    - 1.3.3.4. Market Competition
    - 1.3.3.5. Economic Viability (Consumer's Perspective)
  - 1.3.4. Demand Side Analysis
    - 1.3.4.1. Regulatory frameworks
    - 1.3.4.2. Technological Advancements
    - 1.3.4.3. Environmental Considerations
    - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

### **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1. US Automotive E-compressor Market Size & Forecast (2022- 2032)
- 2.2. Segmental Summary
  - 2.2.1. By Type
  - 2.2.2. By End-use
- 2.3. Key Trends
- 2.4. Recession Impact
- 2.5. Analyst Recommendation & Conclusion

### **CHAPTER 3. US AUTOMOTIVE E-COMPRESSOR MARKET DYNAMICS**

- 3.1. Market Drivers
- 3.2. Market Challenges

### 3.3. Market Opportunities

## **CHAPTER 4. US AUTOMOTIVE E-COMPRESSOR MARKET INDUSTRY ANALYSIS**

### 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

### 4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

### 4.3. Top investment opportunity

### 4.4. Top winning strategies

### 4.5. Disruptive Trends

### 4.6. Industry Expert Perspective

### 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. US AUTOMOTIVE E-COMPRESSOR MARKET SIZE & FORECASTS BY TYPE 2022-2032**

### 5.1. Pressure Decay Testing

### 5.2. Helium Sniff Testing

## **CHAPTER 6. US AUTOMOTIVE E-COMPRESSOR MARKET SIZE & FORECASTS BY END-USE 2022-2032**

### 6.1. Automotive & Transportation

### 6.2. Medical & Pharmaceutical

### 6.3. Packaging

### 6.4. Industrial

### 6.5. Aerospace and Defence

## 6.6. Power and Energy

# CHAPTER 7. COMPETITIVE INTELLIGENCE

## 7.1. Key Company SWOT Analysis

7.1.1. Company

7.1.2. Company

7.1.3. Company

## 7.2. Top Market Strategies

## 7.3. Company Profiles

7.3.1. T/CCI Manufacturing LLC

7.3.1.1. Key Information

7.3.1.2. Overview

7.3.1.3. Financial (Subject to Data Availability)

7.3.1.4. Product Summary

7.3.1.5. Market Strategies

7.3.2. Kobelco Compressors America, Inc

7.3.3. Sauer Compressors USA Inc

7.3.4. Company

7.3.5. Company

7.3.6. Company

7.3.7. Company

7.3.8. Company

7.3.9. Company

7.3.10. Company

# CHAPTER 8. RESEARCH PROCESS

## 8.1. Research Process

8.1.1. Data Mining

8.1.2. Analysis

8.1.3. Market Estimation

8.1.4. Validation

8.1.5. Publishing

## 8.2. Research Attributes

## List Of Tables

### LIST OF TABLES

TABLE 1. US Automotive E-compressor market, report scope

TABLE 2. US Automotive E-compressor market estimates & forecasts by Type  
2022-2032 (USD Million)

TABLE 3. US Automotive E-compressor market estimates & forecasts by End-use  
2022-2032 (USD Million)

TABLE 4. US Automotive E-compressor market by segment, estimates & forecasts,  
2022-2032 (USD Million)

TABLE 5. US Automotive E-compressor market by segment, estimates & forecasts,  
2022-2032 (USD Million)

TABLE 6. US Automotive E-compressor market by segment, estimates & forecasts,  
2022-2032 (USD Million)

TABLE 7. US Automotive E-compressor market by segment, estimates & forecasts,  
2022-2032 (USD Million)

TABLE 8. US Automotive E-compressor market by segment, estimates & forecasts,  
2022-2032 (USD Million)

TABLE 9. U.S. Automotive E-compressor market estimates & forecasts, 2022-2032  
(USD Million)

TABLE 10. U.S. Automotive E-compressor market estimates & forecasts by segment  
2022-2032 (USD Million)

TABLE 11. U.S. Automotive E-compressor market estimates & forecasts by segment  
2022-2032 (USD Million)

TABLE 12. List of secondary sources, used in the study of US Automotive E-  
compressor Market.

TABLE 13. List of primary sources, used in the study of US Automotive E-compressor  
Market.

TABLE 14. Years considered for the study.

TABLE 15. Exchange rates considered.

## List Of Figures

### LIST OF FIGURES

- FIG 1. US Automotive E-compressor market, research methodology
- FIG 2. US Automotive E-compressor market, market estimation techniques
- FIG 3. US market size estimates & forecast methods.
- FIG 4. US Automotive E-compressor market, key trends 2023
- FIG 5. US Automotive E-compressor market, growth prospects 2022-2032
- FIG 6. US Automotive E-compressor market, porters 5 force model
- FIG 7. US Automotive E-compressor market, pestel analysis
- FIG 8. US Automotive E-compressor market, value chain analysis
- FIG 9. US Automotive E-compressor market by segment, 2022 & 2032 (USD Million)
- FIG 10. US Automotive E-compressor market by segment, 2022 & 2032 (USD Million)
- FIG 11. US Automotive E-compressor market by segment, 2022 & 2032 (USD Million)
- FIG 12. US Automotive E-compressor market by segment, 2022 & 2032 (USD Million)
- FIG 13. US Automotive E-compressor market by segment, 2022 & 2032 (USD Million)
- FIG 14. US Automotive E-compressor market, company market share analysis (2023)



## I would like to order

Product name: US Automotive E-compressor Market Size study, by Type (Pressure Decay Testing, Helium Sniff Testing) by End-use (Automotive & Transportation, Medical & Pharmaceutical, Packaging, Industrial, Aerospace and Defence, Power and Energy) Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/U2340754FA9AEN.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](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/U2340754FA9AEN.html>

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

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

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

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

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

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