

Global Automotive Grade Quartz Crystal Unit Market Growth 2024-2030

<https://marketpublishers.com/r/G87069464FA0EN.html>

Date: May 2024

Pages: 188

Price: US\$ 3,660.00 (Single User License)

ID: G87069464FA0EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

Automotive grade quartz crystal units are specialized electronic components designed and manufactured to meet the stringent requirements of the automotive industry. These components play a crucial role in various automotive systems, providing precise timing signals for critical functions such as engine control, transmission control, safety systems, infotainment systems, and telematics.

The global Automotive Grade Quartz Crystal Unit market size is projected to grow from US\$ 668 million in 2024 to US\$ 1606 million in 2030; it is expected to grow at a CAGR of 15.7% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the “Automotive Grade Quartz Crystal Unit Industry Forecast” looks at past sales and reviews total world Automotive Grade Quartz Crystal Unit sales in 2023, providing a comprehensive analysis by region and market sector of projected Automotive Grade Quartz Crystal Unit sales for 2024 through 2030. With Automotive Grade Quartz Crystal Unit sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automotive Grade Quartz Crystal Unit industry.

This Insight Report provides a comprehensive analysis of the global Automotive Grade Quartz Crystal Unit landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Automotive Grade Quartz Crystal Unit portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these

firms' unique position in an accelerating global Automotive Grade Quartz Crystal Unit market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive Grade Quartz Crystal Unit and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Automotive Grade Quartz Crystal Unit.

The world's core manufacturers of Automotive Grade Quartz Crystal Unit include NDK, TXC Corporation and Kyocera. The top three companies have a market share of about 58%. Japan is the world's largest market for Automotive Grade Quartz Crystal Unit with a market share of about 40%, followed by China and North America with a market share of 20% and 15%, respectively. In terms of product type, Crystal Units MHz is the largest segment with approximately 47% market share. In terms of application, ADAS is the largest downstream segment, accounting for approximately 32% of the market.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive Grade Quartz Crystal Unit market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Crystal Units kHz

Crystal Units MHz

Temperature-Controlled Quartz Crystal Oscillator(TCXO) kHz

Temperature-Controlled Quartz Crystal Oscillator (TCXO)MHz

Voltage-Controlled Quartz Crystal Oscillator (VCXO) kHz

Voltage-Controlled Quartz Crystal Oscillator (VCXO) MHz

Oven-Controlled Quartz Crystal Oscillator (OCXO)kHz

Oven-Controlled Quartz Crystal Oscillator (OCXO) MHz

Quartz Crystals& Clock Oscillator (XO) kHz

Quartz Crystals& Clock Oscillator (XO) MHz

Segmentation by Application:

Chassis & Safety Systems

Powertrain Systems

Body Systems

ADAS

Infotainment Systems

Network & Telematics Systems

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

NDK

TXC Corporation

Kyocera

Seiko Epson Corp

Daishinku Corp (KDS)

TKD Science

Guoxin Micro

Harmony

Shenzhen Yangxing

JGHC

Micro Crystal (Swatch Group)

Diodes

Murata

River Eletec Corporation

Hosonic Electronic

Siward Crystal Technology

Aker Technology

Raltron Electronics Corporation

Abracon

Mercury Electronic Industrial

Hong Kong Crystal

IQD Frequency Products Ltd

Failong Crystal Technologies

ECS

Jauch Group

NSK (JenJaen Quartek Corporation)

ZheJiang East Crystal

Golledge Electronics

ShenZhen Crystal Technology Industrial

Taitien Electronics Co., Ltd

Shenzhen Genuway

Rakon Limited

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Grade Quartz Crystal Unit market?

What factors are driving Automotive Grade Quartz Crystal Unit market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Automotive Grade Quartz Crystal Unit market opportunities vary by end market size?

How does Automotive Grade Quartz Crystal Unit break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Automotive Grade Quartz Crystal Unit Annual Sales 2019-2030
 - 2.1.2 World Current & Future Analysis for Automotive Grade Quartz Crystal Unit by Geographic Region, 2019, 2023 & 2030
 - 2.1.3 World Current & Future Analysis for Automotive Grade Quartz Crystal Unit by Country/Region, 2019, 2023 & 2030
- 2.2 Automotive Grade Quartz Crystal Unit Segment by Type
 - 2.2.1 Crystal Units kHz
 - 2.2.2 Crystal Units MHz
 - 2.2.3 Temperature-Controlled Quartz Crystal Oscillator(TCXO) kHz
 - 2.2.4 Temperature-Controlled Quartz Crystal Oscillator (TCXO)MHz
 - 2.2.5 Voltage-Controlled Quartz Crystal Oscillator (VCXO) kHz
 - 2.2.6 Voltage-Controlled Quartz Crystal Oscillator (VCXO) MHz
 - 2.2.7 Oven-Controlled Quartz Crystal Oscillator (OCXO)kHz
 - 2.2.8 Oven-Controlled Quartz Crystal Oscillator (OCXO) MHz
 - 2.2.9 Quartz Crystals& Clock Oscillator (XO) kHz
- 2.3 Automotive Grade Quartz Crystal Unit Sales by Type
 - 2.3.1 Global Automotive Grade Quartz Crystal Unit Sales Market Share by Type (2019-2024)
 - 2.3.2 Global Automotive Grade Quartz Crystal Unit Revenue and Market Share by Type (2019-2024)
 - 2.3.3 Global Automotive Grade Quartz Crystal Unit Sale Price by Type (2019-2024)
- 2.4 Automotive Grade Quartz Crystal Unit Segment by Application
 - 2.4.1 Chassis & Safety Systems

- 2.4.2 Powertrain Systems
- 2.4.3 Body Systems
- 2.4.4 ADAS
- 2.4.5 Infotainment Systems
- 2.4.6 Network & Telematics Systems
- 2.4.7 Others

2.5 Automotive Grade Quartz Crystal Unit Sales by Application

- 2.5.1 Global Automotive Grade Quartz Crystal Unit Sale Market Share by Application (2019-2024)
- 2.5.2 Global Automotive Grade Quartz Crystal Unit Revenue and Market Share by Application (2019-2024)
- 2.5.3 Global Automotive Grade Quartz Crystal Unit Sale Price by Application (2019-2024)

3 GLOBAL BY COMPANY

3.1 Global Automotive Grade Quartz Crystal Unit Breakdown Data by Company

- 3.1.1 Global Automotive Grade Quartz Crystal Unit Annual Sales by Company (2019-2024)
- 3.1.2 Global Automotive Grade Quartz Crystal Unit Sales Market Share by Company (2019-2024)

3.2 Global Automotive Grade Quartz Crystal Unit Annual Revenue by Company (2019-2024)

- 3.2.1 Global Automotive Grade Quartz Crystal Unit Revenue by Company (2019-2024)
- 3.2.2 Global Automotive Grade Quartz Crystal Unit Revenue Market Share by Company (2019-2024)

3.3 Global Automotive Grade Quartz Crystal Unit Sale Price by Company

3.4 Key Manufacturers Automotive Grade Quartz Crystal Unit Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Automotive Grade Quartz Crystal Unit Product Location Distribution

3.4.2 Players Automotive Grade Quartz Crystal Unit Products Offered

3.5 Market Concentration Rate Analysis

- 3.5.1 Competition Landscape Analysis
- 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR AUTOMOTIVE GRADE QUARTZ CRYSTAL

UNIT BY GEOGRAPHIC REGION

4.1 World Historic Automotive Grade Quartz Crystal Unit Market Size by Geographic Region (2019-2024)

4.1.1 Global Automotive Grade Quartz Crystal Unit Annual Sales by Geographic Region (2019-2024)

4.1.2 Global Automotive Grade Quartz Crystal Unit Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic Automotive Grade Quartz Crystal Unit Market Size by Country/Region (2019-2024)

4.2.1 Global Automotive Grade Quartz Crystal Unit Annual Sales by Country/Region (2019-2024)

4.2.2 Global Automotive Grade Quartz Crystal Unit Annual Revenue by Country/Region (2019-2024)

4.3 Americas Automotive Grade Quartz Crystal Unit Sales Growth

4.4 APAC Automotive Grade Quartz Crystal Unit Sales Growth

4.5 Europe Automotive Grade Quartz Crystal Unit Sales Growth

4.6 Middle East & Africa Automotive Grade Quartz Crystal Unit Sales Growth

5 AMERICAS

5.1 Americas Automotive Grade Quartz Crystal Unit Sales by Country

5.1.1 Americas Automotive Grade Quartz Crystal Unit Sales by Country (2019-2024)

5.1.2 Americas Automotive Grade Quartz Crystal Unit Revenue by Country (2019-2024)

5.2 Americas Automotive Grade Quartz Crystal Unit Sales by Type (2019-2024)

5.3 Americas Automotive Grade Quartz Crystal Unit Sales by Application (2019-2024)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Automotive Grade Quartz Crystal Unit Sales by Region

6.1.1 APAC Automotive Grade Quartz Crystal Unit Sales by Region (2019-2024)

6.1.2 APAC Automotive Grade Quartz Crystal Unit Revenue by Region (2019-2024)

6.2 APAC Automotive Grade Quartz Crystal Unit Sales by Type (2019-2024)

6.3 APAC Automotive Grade Quartz Crystal Unit Sales by Application (2019-2024)

- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

7 EUROPE

- 7.1 Europe Automotive Grade Quartz Crystal Unit by Country
 - 7.1.1 Europe Automotive Grade Quartz Crystal Unit Sales by Country (2019-2024)
 - 7.1.2 Europe Automotive Grade Quartz Crystal Unit Revenue by Country (2019-2024)
- 7.2 Europe Automotive Grade Quartz Crystal Unit Sales by Type (2019-2024)
- 7.3 Europe Automotive Grade Quartz Crystal Unit Sales by Application (2019-2024)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Automotive Grade Quartz Crystal Unit by Country
 - 8.1.1 Middle East & Africa Automotive Grade Quartz Crystal Unit Sales by Country (2019-2024)
 - 8.1.2 Middle East & Africa Automotive Grade Quartz Crystal Unit Revenue by Country (2019-2024)
- 8.2 Middle East & Africa Automotive Grade Quartz Crystal Unit Sales by Type (2019-2024)
- 8.3 Middle East & Africa Automotive Grade Quartz Crystal Unit Sales by Application (2019-2024)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Automotive Grade Quartz Crystal Unit
- 10.3 Manufacturing Process Analysis of Automotive Grade Quartz Crystal Unit
- 10.4 Industry Chain Structure of Automotive Grade Quartz Crystal Unit

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 Automotive Grade Quartz Crystal Unit Distributors
- 11.3 Automotive Grade Quartz Crystal Unit Customer

12 WORLD FORECAST REVIEW FOR AUTOMOTIVE GRADE QUARTZ CRYSTAL UNIT BY GEOGRAPHIC REGION

- 12.1 Global Automotive Grade Quartz Crystal Unit Market Size Forecast by Region
 - 12.1.1 Global Automotive Grade Quartz Crystal Unit Forecast by Region (2025-2030)
 - 12.1.2 Global Automotive Grade Quartz Crystal Unit Annual Revenue Forecast by Region (2025-2030)
- 12.2 Americas Forecast by Country (2025-2030)
- 12.3 APAC Forecast by Region (2025-2030)
- 12.4 Europe Forecast by Country (2025-2030)
- 12.5 Middle East & Africa Forecast by Country (2025-2030)
- 12.6 Global Automotive Grade Quartz Crystal Unit Forecast by Type (2025-2030)
- 12.7 Global Automotive Grade Quartz Crystal Unit Forecast by Application (2025-2030)

13 KEY PLAYERS ANALYSIS

- 13.1 NDK
 - 13.1.1 NDK Company Information
 - 13.1.2 NDK Automotive Grade Quartz Crystal Unit Product Portfolios and

Specifications

13.1.3 NDK Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.1.4 NDK Main Business Overview

13.1.5 NDK Latest Developments

13.2 TXC Corporation

13.2.1 TXC Corporation Company Information

13.2.2 TXC Corporation Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

13.2.3 TXC Corporation Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.2.4 TXC Corporation Main Business Overview

13.2.5 TXC Corporation Latest Developments

13.3 Kyocera

13.3.1 Kyocera Company Information

13.3.2 Kyocera Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

13.3.3 Kyocera Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.3.4 Kyocera Main Business Overview

13.3.5 Kyocera Latest Developments

13.4 Seiko Epson Corp

13.4.1 Seiko Epson Corp Company Information

13.4.2 Seiko Epson Corp Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

13.4.3 Seiko Epson Corp Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.4.4 Seiko Epson Corp Main Business Overview

13.4.5 Seiko Epson Corp Latest Developments

13.5 Daishinku Corp (KDS)

13.5.1 Daishinku Corp (KDS) Company Information

13.5.2 Daishinku Corp (KDS) Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

13.5.3 Daishinku Corp (KDS) Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.5.4 Daishinku Corp (KDS) Main Business Overview

13.5.5 Daishinku Corp (KDS) Latest Developments

13.6 TKD Science

13.6.1 TKD Science Company Information

13.6.2 TKD Science Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

13.6.3 TKD Science Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.6.4 TKD Science Main Business Overview

13.6.5 TKD Science Latest Developments

13.7 Guoxin Micro

13.7.1 Guoxin Micro Company Information

13.7.2 Guoxin Micro Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

13.7.3 Guoxin Micro Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.7.4 Guoxin Micro Main Business Overview

13.7.5 Guoxin Micro Latest Developments

13.8 Harmony

13.8.1 Harmony Company Information

13.8.2 Harmony Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

13.8.3 Harmony Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.8.4 Harmony Main Business Overview

13.8.5 Harmony Latest Developments

13.9 Shenzhen Yangxing

13.9.1 Shenzhen Yangxing Company Information

13.9.2 Shenzhen Yangxing Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

13.9.3 Shenzhen Yangxing Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.9.4 Shenzhen Yangxing Main Business Overview

13.9.5 Shenzhen Yangxing Latest Developments

13.10 JGHC

13.10.1 JGHC Company Information

13.10.2 JGHC Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

13.10.3 JGHC Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.10.4 JGHC Main Business Overview

13.10.5 JGHC Latest Developments

13.11 Micro Crystal (Swatch Group)

- 13.11.1 Micro Crystal (Swatch Group) Company Information
- 13.11.2 Micro Crystal (Swatch Group) Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
- 13.11.3 Micro Crystal (Swatch Group) Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.11.4 Micro Crystal (Swatch Group) Main Business Overview
- 13.11.5 Micro Crystal (Swatch Group) Latest Developments
- 13.12 Diodes
 - 13.12.1 Diodes Company Information
 - 13.12.2 Diodes Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
 - 13.12.3 Diodes Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.12.4 Diodes Main Business Overview
 - 13.12.5 Diodes Latest Developments
- 13.13 Murata
 - 13.13.1 Murata Company Information
 - 13.13.2 Murata Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
 - 13.13.3 Murata Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.13.4 Murata Main Business Overview
 - 13.13.5 Murata Latest Developments
- 13.14 River Eletec Corporation
 - 13.14.1 River Eletec Corporation Company Information
 - 13.14.2 River Eletec Corporation Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
 - 13.14.3 River Eletec Corporation Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.14.4 River Eletec Corporation Main Business Overview
 - 13.14.5 River Eletec Corporation Latest Developments
- 13.15 Hosonic Electronic
 - 13.15.1 Hosonic Electronic Company Information
 - 13.15.2 Hosonic Electronic Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
 - 13.15.3 Hosonic Electronic Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.15.4 Hosonic Electronic Main Business Overview
 - 13.15.5 Hosonic Electronic Latest Developments

13.16 Siward Crystal Technology

13.16.1 Siward Crystal Technology Company Information

13.16.2 Siward Crystal Technology Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

13.16.3 Siward Crystal Technology Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.16.4 Siward Crystal Technology Main Business Overview

13.16.5 Siward Crystal Technology Latest Developments

13.17 Aker Technology

13.17.1 Aker Technology Company Information

13.17.2 Aker Technology Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

13.17.3 Aker Technology Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.17.4 Aker Technology Main Business Overview

13.17.5 Aker Technology Latest Developments

13.18 Raltron Electronics Corporation

13.18.1 Raltron Electronics Corporation Company Information

13.18.2 Raltron Electronics Corporation Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

13.18.3 Raltron Electronics Corporation Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.18.4 Raltron Electronics Corporation Main Business Overview

13.18.5 Raltron Electronics Corporation Latest Developments

13.19 Abracon

13.19.1 Abracon Company Information

13.19.2 Abracon Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

13.19.3 Abracon Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.19.4 Abracon Main Business Overview

13.19.5 Abracon Latest Developments

13.20 Mercury Electronic Industrial

13.20.1 Mercury Electronic Industrial Company Information

13.20.2 Mercury Electronic Industrial Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

13.20.3 Mercury Electronic Industrial Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.20.4 Mercury Electronic Industrial Main Business Overview

- 13.20.5 Mercury Electronic Industrial Latest Developments
- 13.21 Hong Kong Crystal
 - 13.21.1 Hong Kong Crystal Company Information
 - 13.21.2 Hong Kong Crystal Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
 - 13.21.3 Hong Kong Crystal Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.21.4 Hong Kong Crystal Main Business Overview
 - 13.21.5 Hong Kong Crystal Latest Developments
- 13.22 IQD Frequency Products Ltd
 - 13.22.1 IQD Frequency Products Ltd Company Information
 - 13.22.2 IQD Frequency Products Ltd Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
 - 13.22.3 IQD Frequency Products Ltd Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.22.4 IQD Frequency Products Ltd Main Business Overview
 - 13.22.5 IQD Frequency Products Ltd Latest Developments
- 13.23 Failong Crystal Technologies
 - 13.23.1 Failong Crystal Technologies Company Information
 - 13.23.2 Failong Crystal Technologies Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
 - 13.23.3 Failong Crystal Technologies Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.23.4 Failong Crystal Technologies Main Business Overview
 - 13.23.5 Failong Crystal Technologies Latest Developments
- 13.24 ECS
 - 13.24.1 ECS Company Information
 - 13.24.2 ECS Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
 - 13.24.3 ECS Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.24.4 ECS Main Business Overview
 - 13.24.5 ECS Latest Developments
- 13.25 Jauch Group
 - 13.25.1 Jauch Group Company Information
 - 13.25.2 Jauch Group Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
 - 13.25.3 Jauch Group Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

- 13.25.4 Jauch Group Main Business Overview
- 13.25.5 Jauch Group Latest Developments
- 13.26 NSK (JenJaan Quartek Corporation)
 - 13.26.1 NSK (JenJaan Quartek Corporation) Company Information
 - 13.26.2 NSK (JenJaan Quartek Corporation) Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
 - 13.26.3 NSK (JenJaan Quartek Corporation) Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.26.4 NSK (JenJaan Quartek Corporation) Main Business Overview
 - 13.26.5 NSK (JenJaan Quartek Corporation) Latest Developments
- 13.27 ZheJiang East Crystal
 - 13.27.1 ZheJiang East Crystal Company Information
 - 13.27.2 ZheJiang East Crystal Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
 - 13.27.3 ZheJiang East Crystal Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.27.4 ZheJiang East Crystal Main Business Overview
 - 13.27.5 ZheJiang East Crystal Latest Developments
- 13.28 Golledge Electronics
 - 13.28.1 Golledge Electronics Company Information
 - 13.28.2 Golledge Electronics Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
 - 13.28.3 Golledge Electronics Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.28.4 Golledge Electronics Main Business Overview
 - 13.28.5 Golledge Electronics Latest Developments
- 13.29 ShenZhen Crystal Technology Industrial
 - 13.29.1 ShenZhen Crystal Technology Industrial Company Information
 - 13.29.2 ShenZhen Crystal Technology Industrial Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
 - 13.29.3 ShenZhen Crystal Technology Industrial Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.29.4 ShenZhen Crystal Technology Industrial Main Business Overview
 - 13.29.5 ShenZhen Crystal Technology Industrial Latest Developments
- 13.30 Taitien Electronics Co., Ltd
 - 13.30.1 Taitien Electronics Co., Ltd Company Information
 - 13.30.2 Taitien Electronics Co., Ltd Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
 - 13.30.3 Taitien Electronics Co., Ltd Automotive Grade Quartz Crystal Unit Sales,

Revenue, Price and Gross Margin (2019-2024)

13.30.4 Taitien Electronics Co., Ltd Main Business Overview

13.30.5 Taitien Electronics Co., Ltd Latest Developments

13.31 Shenzhen Genuway

13.31.1 Shenzhen Genuway Company Information

13.31.2 Shenzhen Genuway Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

13.31.3 Shenzhen Genuway Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.31.4 Shenzhen Genuway Main Business Overview

13.31.5 Shenzhen Genuway Latest Developments

13.32 Rakon Limited

13.32.1 Rakon Limited Company Information

13.32.2 Rakon Limited Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

13.32.3 Rakon Limited Automotive Grade Quartz Crystal Unit Sales, Revenue, Price and Gross Margin (2019-2024)

13.32.4 Rakon Limited Main Business Overview

13.32.5 Rakon Limited Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Automotive Grade Quartz Crystal Unit Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. Automotive Grade Quartz Crystal Unit Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of Crystal Units kHz

Table 4. Major Players of Crystal Units MHz

Table 5. Major Players of Temperature-Controlled Quartz Crystal Oscillator(TCXO) kHz

Table 6. Major Players of Temperature-Controlled Quartz Crystal Oscillator (TCXO)MHz

Table 7. Major Players of Voltage-Controlled Quartz Crystal Oscillator (VCXO) kHz

Table 8. Major Players of Voltage-Controlled Quartz Crystal Oscillator (VCXO) MHz

Table 9. Major Players of Oven-Controlled Quartz Crystal Oscillator (OCXO)kHz

Table 10. Major Players of Oven-Controlled Quartz Crystal Oscillator (OCXO) MHz

Table 11. Major Players of Quartz Crystals& Clock Oscillator (XO) kHz

Table 12. Global Automotive Grade Quartz Crystal Unit Sales by Type (2019-2024) & (M Pcs)

Table 13. Global Automotive Grade Quartz Crystal Unit Sales Market Share by Type (2019-2024)

Table 14. Global Automotive Grade Quartz Crystal Unit Revenue by Type (2019-2024) & (\$ million)

Table 15. Global Automotive Grade Quartz Crystal Unit Revenue Market Share by Type (2019-2024)

Table 16. Global Automotive Grade Quartz Crystal Unit Sale Price by Type (2019-2024) & (US\$/K Pcs)

Table 17. Global Automotive Grade Quartz Crystal Unit Sale by Application (2019-2024) & (M Pcs)

Table 18. Global Automotive Grade Quartz Crystal Unit Sale Market Share by Application (2019-2024)

Table 19. Global Automotive Grade Quartz Crystal Unit Revenue by Application (2019-2024) & (\$ million)

Table 20. Global Automotive Grade Quartz Crystal Unit Revenue Market Share by Application (2019-2024)

Table 21. Global Automotive Grade Quartz Crystal Unit Sale Price by Application (2019-2024) & (US\$/K Pcs)

Table 22. Global Automotive Grade Quartz Crystal Unit Sales by Company (2019-2024) & (M Pcs)

- Table 23. Global Automotive Grade Quartz Crystal Unit Sales Market Share by Company (2019-2024)
- Table 24. Global Automotive Grade Quartz Crystal Unit Revenue by Company (2019-2024) & (\$ millions)
- Table 25. Global Automotive Grade Quartz Crystal Unit Revenue Market Share by Company (2019-2024)
- Table 26. Global Automotive Grade Quartz Crystal Unit Sale Price by Company (2019-2024) & (US\$/K Pcs)
- Table 27. Key Manufacturers Automotive Grade Quartz Crystal Unit Producing Area Distribution and Sales Area
- Table 28. Players Automotive Grade Quartz Crystal Unit Products Offered
- Table 29. Automotive Grade Quartz Crystal Unit Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)
- Table 30. New Products and Potential Entrants
- Table 31. Market M&A Activity & Strategy
- Table 32. Global Automotive Grade Quartz Crystal Unit Sales by Geographic Region (2019-2024) & (M Pcs)
- Table 33. Global Automotive Grade Quartz Crystal Unit Sales Market Share Geographic Region (2019-2024)
- Table 34. Global Automotive Grade Quartz Crystal Unit Revenue by Geographic Region (2019-2024) & (\$ millions)
- Table 35. Global Automotive Grade Quartz Crystal Unit Revenue Market Share by Geographic Region (2019-2024)
- Table 36. Global Automotive Grade Quartz Crystal Unit Sales by Country/Region (2019-2024) & (M Pcs)
- Table 37. Global Automotive Grade Quartz Crystal Unit Sales Market Share by Country/Region (2019-2024)
- Table 38. Global Automotive Grade Quartz Crystal Unit Revenue by Country/Region (2019-2024) & (\$ millions)
- Table 39. Global Automotive Grade Quartz Crystal Unit Revenue Market Share by Country/Region (2019-2024)
- Table 40. Americas Automotive Grade Quartz Crystal Unit Sales by Country (2019-2024) & (M Pcs)
- Table 41. Americas Automotive Grade Quartz Crystal Unit Sales Market Share by Country (2019-2024)
- Table 42. Americas Automotive Grade Quartz Crystal Unit Revenue by Country (2019-2024) & (\$ millions)
- Table 43. Americas Automotive Grade Quartz Crystal Unit Sales by Type (2019-2024) & (M Pcs)

Table 44. Americas Automotive Grade Quartz Crystal Unit Sales by Application (2019-2024) & (M Pcs)

Table 45. APAC Automotive Grade Quartz Crystal Unit Sales by Region (2019-2024) & (M Pcs)

Table 46. APAC Automotive Grade Quartz Crystal Unit Sales Market Share by Region (2019-2024)

Table 47. APAC Automotive Grade Quartz Crystal Unit Revenue by Region (2019-2024) & (\$ millions)

Table 48. APAC Automotive Grade Quartz Crystal Unit Sales by Type (2019-2024) & (M Pcs)

Table 49. APAC Automotive Grade Quartz Crystal Unit Sales by Application (2019-2024) & (M Pcs)

Table 50. Europe Automotive Grade Quartz Crystal Unit Sales by Country (2019-2024) & (M Pcs)

Table 51. Europe Automotive Grade Quartz Crystal Unit Revenue by Country (2019-2024) & (\$ millions)

Table 52. Europe Automotive Grade Quartz Crystal Unit Sales by Type (2019-2024) & (M Pcs)

Table 53. Europe Automotive Grade Quartz Crystal Unit Sales by Application (2019-2024) & (M Pcs)

Table 54. Middle East & Africa Automotive Grade Quartz Crystal Unit Sales by Country (2019-2024) & (M Pcs)

Table 55. Middle East & Africa Automotive Grade Quartz Crystal Unit Revenue Market Share by Country (2019-2024)

Table 56. Middle East & Africa Automotive Grade Quartz Crystal Unit Sales by Type (2019-2024) & (M Pcs)

Table 57. Middle East & Africa Automotive Grade Quartz Crystal Unit Sales by Application (2019-2024) & (M Pcs)

Table 58. Key Market Drivers & Growth Opportunities of Automotive Grade Quartz Crystal Unit

Table 59. Key Market Challenges & Risks of Automotive Grade Quartz Crystal Unit

Table 60. Key Industry Trends of Automotive Grade Quartz Crystal Unit

Table 61. Automotive Grade Quartz Crystal Unit Raw Material

Table 62. Key Suppliers of Raw Materials

Table 63. Automotive Grade Quartz Crystal Unit Distributors List

Table 64. Automotive Grade Quartz Crystal Unit Customer List

Table 65. Global Automotive Grade Quartz Crystal Unit Sales Forecast by Region (2025-2030) & (M Pcs)

Table 66. Global Automotive Grade Quartz Crystal Unit Revenue Forecast by Region

(2025-2030) & (\$ millions)

Table 67. Americas Automotive Grade Quartz Crystal Unit Sales Forecast by Country (2025-2030) & (M Pcs)

Table 68. Americas Automotive Grade Quartz Crystal Unit Annual Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 69. APAC Automotive Grade Quartz Crystal Unit Sales Forecast by Region (2025-2030) & (M Pcs)

Table 70. APAC Automotive Grade Quartz Crystal Unit Annual Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 71. Europe Automotive Grade Quartz Crystal Unit Sales Forecast by Country (2025-2030) & (M Pcs)

Table 72. Europe Automotive Grade Quartz Crystal Unit Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 73. Middle East & Africa Automotive Grade Quartz Crystal Unit Sales Forecast by Country (2025-2030) & (M Pcs)

Table 74. Middle East & Africa Automotive Grade Quartz Crystal Unit Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 75. Global Automotive Grade Quartz Crystal Unit Sales Forecast by Type (2025-2030) & (M Pcs)

Table 76. Global Automotive Grade Quartz Crystal Unit Revenue Forecast by Type (2025-2030) & (\$ millions)

Table 77. Global Automotive Grade Quartz Crystal Unit Sales Forecast by Application (2025-2030) & (M Pcs)

Table 78. Global Automotive Grade Quartz Crystal Unit Revenue Forecast by Application (2025-2030) & (\$ millions)

Table 79. NDK Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 80. NDK Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 81. NDK Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 82. NDK Main Business

Table 83. NDK Latest Developments

Table 84. TXC Corporation Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 85. TXC Corporation Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 86. TXC Corporation Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

- Table 87. TXC Corporation Main Business
- Table 88. TXC Corporation Latest Developments
- Table 89. Kyocera Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors
- Table 90. Kyocera Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
- Table 91. Kyocera Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)
- Table 92. Kyocera Main Business
- Table 93. Kyocera Latest Developments
- Table 94. Seiko Epson Corp Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors
- Table 95. Seiko Epson Corp Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
- Table 96. Seiko Epson Corp Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)
- Table 97. Seiko Epson Corp Main Business
- Table 98. Seiko Epson Corp Latest Developments
- Table 99. Daishinku Corp (KDS) Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors
- Table 100. Daishinku Corp (KDS) Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
- Table 101. Daishinku Corp (KDS) Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)
- Table 102. Daishinku Corp (KDS) Main Business
- Table 103. Daishinku Corp (KDS) Latest Developments
- Table 104. TKD Science Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors
- Table 105. TKD Science Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
- Table 106. TKD Science Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)
- Table 107. TKD Science Main Business
- Table 108. TKD Science Latest Developments
- Table 109. Guoxin Micro Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors
- Table 110. Guoxin Micro Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
- Table 111. Guoxin Micro Automotive Grade Quartz Crystal Unit Sales (M Pcs),

Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 112. Guoxin Micro Main Business

Table 113. Guoxin Micro Latest Developments

Table 114. Harmony Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 115. Harmony Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 116. Harmony Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 117. Harmony Main Business

Table 118. Harmony Latest Developments

Table 119. Shenzhen Yangxing Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 120. Shenzhen Yangxing Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 121. Shenzhen Yangxing Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 122. Shenzhen Yangxing Main Business

Table 123. Shenzhen Yangxing Latest Developments

Table 124. JGHC Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 125. JGHC Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 126. JGHC Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 127. JGHC Main Business

Table 128. JGHC Latest Developments

Table 129. Micro Crystal (Swatch Group) Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 130. Micro Crystal (Swatch Group) Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 131. Micro Crystal (Swatch Group) Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 132. Micro Crystal (Swatch Group) Main Business

Table 133. Micro Crystal (Swatch Group) Latest Developments

Table 134. Diodes Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 135. Diodes Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 136. Diodes Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 137. Diodes Main Business

Table 138. Diodes Latest Developments

Table 139. Murata Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 140. Murata Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 141. Murata Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 142. Murata Main Business

Table 143. Murata Latest Developments

Table 144. River Eletec Corporation Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 145. River Eletec Corporation Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 146. River Eletec Corporation Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 147. River Eletec Corporation Main Business

Table 148. River Eletec Corporation Latest Developments

Table 149. Hosonic Electronic Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 150. Hosonic Electronic Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 151. Hosonic Electronic Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 152. Hosonic Electronic Main Business

Table 153. Hosonic Electronic Latest Developments

Table 154. Siward Crystal Technology Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 155. Siward Crystal Technology Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 156. Siward Crystal Technology Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 157. Siward Crystal Technology Main Business

Table 158. Siward Crystal Technology Latest Developments

Table 159. Aker Technology Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 160. Aker Technology Automotive Grade Quartz Crystal Unit Product Portfolios

and Specifications

Table 161. Aker Technology Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 162. Aker Technology Main Business

Table 163. Aker Technology Latest Developments

Table 164. Raltron Electronics Corporation Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 165. Raltron Electronics Corporation Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 166. Raltron Electronics Corporation Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 167. Raltron Electronics Corporation Main Business

Table 168. Raltron Electronics Corporation Latest Developments

Table 169. Abracon Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 170. Abracon Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 171. Abracon Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 172. Abracon Main Business

Table 173. Abracon Latest Developments

Table 174. Mercury Electronic Industrial Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 175. Mercury Electronic Industrial Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 176. Mercury Electronic Industrial Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 177. Mercury Electronic Industrial Main Business

Table 178. Mercury Electronic Industrial Latest Developments

Table 179. Hong Kong Crystal Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 180. Hong Kong Crystal Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 181. Hong Kong Crystal Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 182. Hong Kong Crystal Main Business

Table 183. Hong Kong Crystal Latest Developments

Table 184. IQD Frequency Products Ltd Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

- Table 185. IQD Frequency Products Ltd Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
- Table 186. IQD Frequency Products Ltd Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)
- Table 187. IQD Frequency Products Ltd Main Business
- Table 188. IQD Frequency Products Ltd Latest Developments
- Table 189. Failong Crystal Technologies Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors
- Table 190. Failong Crystal Technologies Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
- Table 191. Failong Crystal Technologies Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)
- Table 192. Failong Crystal Technologies Main Business
- Table 193. Failong Crystal Technologies Latest Developments
- Table 194. ECS Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors
- Table 195. ECS Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
- Table 196. ECS Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)
- Table 197. ECS Main Business
- Table 198. ECS Latest Developments
- Table 199. Jauch Group Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors
- Table 200. Jauch Group Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
- Table 201. Jauch Group Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)
- Table 202. Jauch Group Main Business
- Table 203. Jauch Group Latest Developments
- Table 204. NSK (JenJaan Quartek Corporation) Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors
- Table 205. NSK (JenJaan Quartek Corporation) Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications
- Table 206. NSK (JenJaan Quartek Corporation) Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)
- Table 207. NSK (JenJaan Quartek Corporation) Main Business
- Table 208. NSK (JenJaan Quartek Corporation) Latest Developments
- Table 209. ZheJiang East Crystal Basic Information, Automotive Grade Quartz Crystal

Unit Manufacturing Base, Sales Area and Its Competitors

Table 210. ZheJiang East Crystal Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 211. ZheJiang East Crystal Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 212. ZheJiang East Crystal Main Business

Table 213. ZheJiang East Crystal Latest Developments

Table 214. Golledge Electronics Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 215. Golledge Electronics Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 216. Golledge Electronics Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 217. Golledge Electronics Main Business

Table 218. Golledge Electronics Latest Developments

Table 219. ShenZhen Crystal Technology Industrial Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 220. ShenZhen Crystal Technology Industrial Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 221. ShenZhen Crystal Technology Industrial Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 222. ShenZhen Crystal Technology Industrial Main Business

Table 223. ShenZhen Crystal Technology Industrial Latest Developments

Table 224. Taitien Electronics Co., Ltd Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 225. Taitien Electronics Co., Ltd Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 226. Taitien Electronics Co., Ltd Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 227. Taitien Electronics Co., Ltd Main Business

Table 228. Taitien Electronics Co., Ltd Latest Developments

Table 229. Shenzhen Genuway Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 230. Shenzhen Genuway Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 231. Shenzhen Genuway Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 232. Shenzhen Genuway Main Business

Table 233. Shenzhen Genuway Latest Developments

Table 234. Rakon Limited Basic Information, Automotive Grade Quartz Crystal Unit Manufacturing Base, Sales Area and Its Competitors

Table 235. Rakon Limited Automotive Grade Quartz Crystal Unit Product Portfolios and Specifications

Table 236. Rakon Limited Automotive Grade Quartz Crystal Unit Sales (M Pcs), Revenue (\$ Million), Price (US\$/K Pcs) and Gross Margin (2019-2024)

Table 237. Rakon Limited Main Business

Table 238. Rakon Limited Latest Developments

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Automotive Grade Quartz Crystal Unit

Figure 2. Automotive Grade Quartz Crystal Unit Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Automotive Grade Quartz Crystal Unit Sales Growth Rate 2019-2030 (M Pcs)

Figure 7. Global Automotive Grade Quartz Crystal Unit Revenue Growth Rate 2019-2030 (\$ millions)

Figure 8. Automotive Grade Quartz Crystal Unit Sales by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Figure 9. Automotive Grade Quartz Crystal Unit Sales Market Share by Country/Region (2023)

Figure 10. Automotive Grade Quartz Crystal Unit Sales Market Share by Country/Region (2019, 2023 & 2030)

Figure 11. Product Picture of Crystal Units kHz

Figure 12. Product Picture of Crystal Units MHz

Figure 13. Product Picture of Temperature-Controlled Quartz Crystal Oscillator(TCXO) kHz

Figure 14. Product Picture of Temperature-Controlled Quartz Crystal Oscillator (TCXO)MHz

Figure 15. Product Picture of Voltage-Controlled Quartz Crystal Oscillator (VCXO) kHz

Figure 16. Product Picture of Voltage-Controlled Quartz Crystal Oscillator (VCXO) MHz

Figure 17. Product Picture of Oven-Controlled Quartz Crystal Oscillator (OCXO)kHz

Figure 18. Product Picture of Oven-Controlled Quartz Crystal Oscillator (OCXO) MHz

Figure 19. Product Picture of Quartz Crystals& Clock Oscillator (XO) kHz

Figure 20. Global Automotive Grade Quartz Crystal Unit Sales Market Share by Type in 2023

Figure 21. Global Automotive Grade Quartz Crystal Unit Revenue Market Share by Type (2019-2024)

Figure 22. Automotive Grade Quartz Crystal Unit Consumed in Chassis & Safety Systems

Figure 23. Global Automotive Grade Quartz Crystal Unit Market: Chassis & Safety Systems (2019-2024) & (M Pcs)

Figure 24. Automotive Grade Quartz Crystal Unit Consumed in Powertrain Systems

Figure 25. Global Automotive Grade Quartz Crystal Unit Market: Powertrain Systems (2019-2024) & (M Pcs)

Figure 26. Automotive Grade Quartz Crystal Unit Consumed in Body Systems

Figure 27. Global Automotive Grade Quartz Crystal Unit Market: Body Systems (2019-2024) & (M Pcs)

Figure 28. Automotive Grade Quartz Crystal Unit Consumed in ADAS

Figure 29. Global Automotive Grade Quartz Crystal Unit Market: ADAS (2019-2024) & (M Pcs)

Figure 30. Automotive Grade Quartz Crystal Unit Consumed in Infotainment Systems

Figure 31. Global Automotive Grade Quartz Crystal Unit Market: Infotainment Systems (2019-2024) & (M Pcs)

Figure 32. Automotive Grade Quartz Crystal Unit Consumed in Network & Telematics Systems

Figure 33. Global Automotive Grade Quartz Crystal Unit Market: Network & Telematics Systems (2019-2024) & (M Pcs)

Figure 34. Automotive Grade Quartz Crystal Unit Consumed in Others

Figure 35. Global Automotive Grade Quartz Crystal Unit Market: Others (2019-2024) & (M Pcs)

Figure 36. Global Automotive Grade Quartz Crystal Unit Sale Market Share by Application (2023)

Figure 37. Global Automotive Grade Quartz Crystal Unit Revenue Market Share by Application in 2023

Figure 38. Automotive Grade Quartz Crystal Unit Sales by Company in 2023 (M Pcs)

Figure 39. Global Automotive Grade Quartz Crystal Unit Sales Market Share by Company in 2023

Figure 40. Automotive Grade Quartz Crystal Unit Revenue by Company in 2023 (\$ millions)

Figure 41. Global Automotive Grade Quartz Crystal Unit Revenue Market Share by Company in 2023

Figure 42. Global Automotive Grade Quartz Crystal Unit Sales Market Share by Geographic Region (2019-2024)

Figure 43. Global Automotive Grade Quartz Crystal Unit Revenue Market Share by Geographic Region in 2023

Figure 44. Americas Automotive Grade Quartz Crystal Unit Sales 2019-2024 (M Pcs)

Figure 45. Americas Automotive Grade Quartz Crystal Unit Revenue 2019-2024 (\$ millions)

Figure 46. APAC Automotive Grade Quartz Crystal Unit Sales 2019-2024 (M Pcs)

Figure 47. APAC Automotive Grade Quartz Crystal Unit Revenue 2019-2024 (\$ millions)

Figure 48. Europe Automotive Grade Quartz Crystal Unit Sales 2019-2024 (M Pcs)

Figure 49. Europe Automotive Grade Quartz Crystal Unit Revenue 2019-2024 (\$ millions)

Figure 50. Middle East & Africa Automotive Grade Quartz Crystal Unit Sales 2019-2024 (M Pcs)

Figure 51. Middle East & Africa Automotive Grade Quartz Crystal Unit Revenue 2019-2024 (\$ millions)

Figure 52. Americas Automotive Grade Quartz Crystal Unit Sales Market Share by Country in 2023

Figure 53. Americas Automotive Grade Quartz Crystal Unit Revenue Market Share by Country (2019-2024)

Figure 54. Americas Automotive Grade Quartz Crystal Unit Sales Market Share by Type (2019-2024)

Figure 55. Americas Automotive Grade Quartz Crystal Unit Sales Market Share by Application (2019-2024)

Figure 56. United States Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 57. Canada Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 58. Mexico Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 59. Brazil Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 60. APAC Automotive Grade Quartz Crystal Unit Sales Market Share by Region in 2023

Figure 61. APAC Automotive Grade Quartz Crystal Unit Revenue Market Share by Region (2019-2024)

Figure 62. APAC Automotive Grade Quartz Crystal Unit Sales Market Share by Type (2019-2024)

Figure 63. APAC Automotive Grade Quartz Crystal Unit Sales Market Share by Application (2019-2024)

Figure 64. China Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 65. Japan Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 66. South Korea Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 67. Southeast Asia Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 68. India Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 69. Australia Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 70. China Taiwan Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 71. Europe Automotive Grade Quartz Crystal Unit Sales Market Share by Country in 2023

Figure 72. Europe Automotive Grade Quartz Crystal Unit Revenue Market Share by Country (2019-2024)

Figure 73. Europe Automotive Grade Quartz Crystal Unit Sales Market Share by Type (2019-2024)

Figure 74. Europe Automotive Grade Quartz Crystal Unit Sales Market Share by Application (2019-2024)

Figure 75. Germany Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 76. France Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 77. UK Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 78. Italy Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 79. Russia Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 80. Middle East & Africa Automotive Grade Quartz Crystal Unit Sales Market Share by Country (2019-2024)

Figure 81. Middle East & Africa Automotive Grade Quartz Crystal Unit Sales Market Share by Type (2019-2024)

Figure 82. Middle East & Africa Automotive Grade Quartz Crystal Unit Sales Market Share by Application (2019-2024)

Figure 83. Egypt Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 84. South Africa Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 85. Israel Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 86. Turkey Automotive Grade Quartz Crystal Unit Revenue Growth 2019-2024 (\$ millions)

Figure 87. GCC Countries Automotive Grade Quartz Crystal Unit Revenue Growth

2019-2024 (\$ millions)

Figure 88. Manufacturing Cost Structure Analysis of Automotive Grade Quartz Crystal Unit in 2023

Figure 89. Manufacturing Process Analysis of Automotive Grade Quartz Crystal Unit

Figure 90. Industry Chain Structure of Automotive Grade Quartz Crystal Unit

Figure 91. Channels of Distribution

Figure 92. Global Automotive Grade Quartz Crystal Unit Sales Market Forecast by Region (2025-2030)

Figure 93. Global Automotive Grade Quartz Crystal Unit Revenue Market Share Forecast by Region (2025-2030)

Figure 94. Global Automotive Grade Quartz Crystal Unit Sales Market Share Forecast by Type (2025-2030)

Figure 95. Global Automotive Grade Quartz Crystal Unit Revenue Market Share Forecast by Type (2025-2030)

Figure 96. Global Automotive Grade Quartz Crystal Unit Sales Market Share Forecast by Application (2025-2030)

Figure 97. Global Automotive Grade Quartz Crystal Unit Revenue Market Share Forecast by Application (2025-2030)

I would like to order

Product name: Global Automotive Grade Quartz Crystal Unit Market Growth 2024-2030

Product link: <https://marketpublishers.com/r/G87069464FA0EN.html>

Price: US\$ 3,660.00 (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/G87069464FA0EN.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