

COVID-19 Outbreak-Global Quartz Crystal Microbalance (QCM) Industry Market Report-Development Trends, Threats, Opportunities and Competitive Landscape in 2020

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Abstracts

The quartz crystal microbalance measures the mass change per unit area by measuring the frequency change of the quartz crystal resonator. Adding or removing small masses can disturb resonance due to oxide growth/attenuation or film deposition at the surface of the acoustic resonator. QCM can be used under vacuum, in the gas phase, and most recently in liquid environments. It can be used to monitor the deposition rate in a thin film deposition system under vacuum.

The Quartz Crystal Microbalance (QCM) market revenue was xx.xx Million USD in 2019, and will reach xx.xx Million USD in 2025, with a CAGR of x.x% during 2020-2025.

Under COVID-19 outbreak globally, this report provides 360 degrees of analysis from supply chain, import and export control to regional government policy and future influence on the industry. Detailed analysis about market status (2015-2020), enterprise competition pattern, advantages and disadvantages of enterprise products, industry development trends (2020-2025), regional industrial layout characteristics and macroeconomic policies, industrial policy has also been included. From raw materials to end users of this industry are analyzed scientifically, the trends of product circulation and sales channel will be presented as well. Considering COVID-19, this report provides comprehensive and in-depth analysis on how the epidemic push this industry transformation and reform.

In COVID-19 outbreak, Chapter 2.2 of this report provides an analysis of the impact of COVID-19 on the global economy and the Quartz Crystal Microbalance (QCM) industry. Chapter 3.7 covers the analysis of the impact of COVID-19 from the perspective of the

industry chain.

In addition, chapters 7-11 consider the impact of COVID-19 on the regional economy.

The Quartz Crystal Microbalance (QCM) market can be split based on product types, major applications, and important countries as follows:

Key players in the global Quartz Crystal Microbalance (QCM) market covered in Chapter 12:

Tectra GmbH
Michell
CH Instruments
CrystalTek
Gamry Instruments
Connor-Winfield
AMETEK
Biolin Scientific
Micro Photonics
Hettich

In Chapter 4 and 14.1, on the basis of types, the Quartz Crystal Microbalance (QCM) market from 2015 to 2025 is primarily split into:

Gravity QCM
Non-gravity QCM

In Chapter 5 and 14.2, on the basis of applications, the Quartz Crystal Microbalance (QCM) market from 2015 to 2025 covers:

Timing Device
Functional Device
Communication Device
Development of New Materials
Others

Geographically, the detailed analysis of consumption, revenue, market share and growth rate, historic and forecast (2015-2025) of the following regions are covered in Chapter 6, 7, 8, 9, 10, 11, 14:

North America (Covered in Chapter 7 and 14)
United States
Canada
Mexico

Europe (Covered in Chapter 8 and 14)

Germany

UK

France

Italy

Spain

Russia

Others

Asia-Pacific (Covered in Chapter 9 and 14)

China

Japan

South Korea

Australia

India

Southeast Asia

Others

Middle East and Africa (Covered in Chapter 10 and 14)

Saudi Arabia

UAE

Egypt

Nigeria

South Africa

Others

South America (Covered in Chapter 11 and 14)

Brazil

Argentina

Columbia

Chile

Others

Years considered for this report:

Historical Years: 2015-2019

Base Year: 2019

Estimated Year: 2020

Forecast Period: 2020-2025

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