

Global Electronic Chemicals CDMO & CRO Market Size Study, by Type (High-Performance Polymers, Acid & Base Chemicals, Gases, Metals & Pastes), by Scale (Small, Medium, Large), by Application (Photoresist, Etchants, Cleaning Agents, Deposition), by End-Use (Semiconductor Manufacturing, PCBs, Optoelectronics, Batteries, Displays), and Regional Forecasts 2022-2032

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Abstracts

The global electronic chemicals CDMO & CRO market is poised to grow significantly, reaching an estimated value of USD 0.81 billion by 2032 from USD 0.45 billion in 2023, registering a compound annual growth rate (CAGR) of 6.8% from 2024 to 2032. This robust growth is driven by the rapidly advancing electronics and semiconductor technology sectors, fueled by the adoption of innovative technologies like 5G, artificial intelligence, and electric vehicles. The demand for high-quality, specialized chemicals such as etchants, photoresists, and cleaning agents for applications in semiconductors, printed circuit boards (PCBs), and optoelectronics is escalating, as industries seek speed, efficiency, and precision in manufacturing processes.

The increasing reliance on contract development and manufacturing organizations (CDMO) and contract research organizations (CRO) for developing and scaling specialized chemicals has bolstered the market's expansion. These entities provide cost-effective and high-quality solutions, enabling companies to accelerate product development and achieve operational efficiencies. Additionally, government incentives and rising investments in electronics manufacturing across regions, particularly in Asia-Pacific, further amplify the market's potential.

The acid and base chemicals segment emerges as a pivotal growth driver within this market. Widely employed in manufacturing processes, such as etching and cleaning, these chemicals ensure precision and integrity in electronic devices. Moreover, the medium-scale segment is anticipated to hold a substantial share, catering to the evolving needs of mid-sized industries transitioning toward large-scale production while maintaining flexibility and customization.

Asia-Pacific is projected to exhibit the highest growth rate during the forecast period, driven by improving infrastructure, investments in research and development, and a robust electronics manufacturing ecosystem. The growing emphasis on miniaturization and high-performance devices underscores the need for advanced electronic chemicals, bolstering demand in the region.

Major market players included in this report are:

Sajjan India Ltd.

Cohance Lifesciences

AGC Inc.

Navin Fluorine International Limited

Actylis

Adesis Inc.

CABB Group GmbH

Inventys Research Company

LinkChem Technology Co., Ltd.

noctiluca

Chemionix Solutions

Entegris

Avantor, Inc.

BASF SE

Dow

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

By Type:

High-Performance Polymers

Acid & Base Chemicals

Gases

Metals & Pastes

By Scale:

Small Scale

Medium Scale

Large Scale

By Application:

Photoresist

Etchants

Dopants

Cleaning Agents

Deposition

By End-Use:

Semiconductor Manufacturing

Printed Circuit Boards (PCBs)

Optoelectronics

Batteries

Displays

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Rest of Asia-Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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 regional 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. GLOBAL ELECTRONIC CHEMICALS CDMO & CRO MARKET EXECUTIVE SUMMARY

- 1.1. Global Electronic Chemicals CDMO & CRO Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Type
 - 1.3.2. By Scale
 - 1.3.3. By Application
 - 1.3.4. By End-Use
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL ELECTRONIC CHEMICALS CDMO & CRO MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory Frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL ELECTRONIC CHEMICALS CDMO & CRO MARKET DYNAMICS

3.1. Market Drivers

- 3.1.1. Growing Electronics Manufacturing Sector
- 3.1.2. Rising Demand for Specialized Chemicals in Advanced Technologies
- 3.1.3. Increasing Investment in R&D for Semiconductor Materials

3.2. Market Challenges

- 3.2.1. Stringent Regulatory Compliance
- 3.2.2. High Costs of Development and Manufacturing

3.3. Market Opportunities

- 3.3.1. Adoption of CDMO & CRO Services in Emerging Markets
- 3.3.2. Integration of AI and Machine Learning in Product Development

3.4. Market Trends

- 3.4.1. Miniaturization of Electronic Devices
- 3.4.2. Increased Focus on Environmentally Friendly Chemicals

CHAPTER 4. GLOBAL ELECTRONIC CHEMICALS CDMO & CRO 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 Opportunities

4.4. Top Winning Strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL ELECTRONIC CHEMICALS CDMO & CRO MARKET SIZE & FORECASTS BY TYPE (2022-2032)

5.1. Segment Dashboard

5.2. Global Electronic Chemicals CDMO & CRO Market: Type Revenue Trend Analysis, 2022 & 2032 (USD Million)

5.2.1. High-Performance Polymers

5.2.2. Acid & Base Chemicals

5.2.3. Gases

5.2.4. Metals & Pastes

CHAPTER 6. GLOBAL ELECTRONIC CHEMICALS CDMO & CRO MARKET SIZE & FORECASTS BY SCALE (2022-2032)

6.1. Segment Dashboard

6.2. Global Electronic Chemicals CDMO & CRO Market: Scale Revenue Trend Analysis, 2022 & 2032 (USD Million)

6.2.1. Small Scale

6.2.2. Medium Scale

6.2.3. Large Scale

CHAPTER 7. GLOBAL ELECTRONIC CHEMICALS CDMO & CRO MARKET SIZE & FORECASTS BY APPLICATION (2022-2032)

7.1. Segment Dashboard

7.2. Global Electronic Chemicals CDMO & CRO Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Million)

7.2.1. Photoresist

7.2.2. Etchants

7.2.3. Dopants

7.2.4. Cleaning Agents

7.2.5. Deposition

CHAPTER 8. GLOBAL ELECTRONIC CHEMICALS CDMO & CRO MARKET SIZE & FORECASTS BY END-USE (2022-2032)

8.1. Segment Dashboard

8.2. Global Electronic Chemicals CDMO & CRO Market: End-Use Revenue Trend Analysis, 2022 & 2032 (USD Million)

- 8.2.1. Semiconductor Manufacturing
- 8.2.2. Printed Circuit Boards (PCBs)
- 8.2.3. Optoelectronics
- 8.2.4. Batteries
- 8.2.5. Displays

CHAPTER 9. GLOBAL ELECTRONIC CHEMICALS CDMO & CRO MARKET SIZE & FORECASTS BY REGION (2022-2032)

9.1. North America

- 9.1.1. U.S.
- 9.1.2. Canada

9.2. Europe

- 9.2.1. UK
- 9.2.2. Germany
- 9.2.3. France
- 9.2.4. Spain
- 9.2.5. Italy
- 9.2.6. Rest of Europe

9.3. Asia-Pacific

- 9.3.1. China
- 9.3.2. Japan
- 9.3.3. India
- 9.3.4. South Korea
- 9.3.5. Rest of Asia-Pacific

9.4. Latin America

- 9.4.1. Brazil
- 9.4.2. Mexico
- 9.4.3. Rest of Latin America

9.5. Middle East & Africa

- 9.5.1. Saudi Arabia
- 9.5.2. South Africa
- 9.5.3. Rest of Middle East & Africa

CHAPTER 10. COMPETITIVE INTELLIGENCE

10.1. Key Company SWOT Analysis

- 10.1.1. Sajjan India Ltd.
- 10.1.2. AGC Inc.
- 10.1.3. Cohance Lifesciences
- 10.2. Top Market Strategies
- 10.3. Company Profiles
 - 10.3.1. Sajjan India Ltd.
 - 10.3.1.1. Key Information
 - 10.3.1.2. Overview
 - 10.3.1.3. Financial (Subject to Data Availability)
 - 10.3.1.4. Product Summary
 - 10.3.1.5. Market Strategies
 - 10.3.2. Cohance Lifesciences
 - 10.3.3. AGC Inc.
 - 10.3.4. Adesis Inc.
 - 10.3.5. Navin Fluorine International Limited
 - 10.3.6. CABB Group GmbH
 - 10.3.7. Inventys Research Company
 - 10.3.8. LinkChem Technology Co., Ltd.
 - 10.3.9. noctiluca

CHAPTER 11. RESEARCH PROCESS

- 11.1. Research Process
 - 11.1.1. Data Mining
 - 11.1.2. Analysis
 - 11.1.3. Market Estimation
 - 11.1.4. Validation
 - 11.1.5. Publishing
- 11.2. Research Attributes

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