+357 96 030922
info@marketpublishers.com

Asia Pacific Extracorporeal Membrane Oxygenation Machine Market Size, Share, Trends & Analysis by Modality (Veno-Venous, Veno-Arterial), by Patient Type (Adult, Neonatal, Pediatric), by Component (Pumps, Cannula, Oxygenator, Controllers) and Region, with Forecasts from 2024 to 2034.

https://marketpublishers.com/r/A242A84A7C59EN.html
Date: February 2025
Pages: 179
Price: US$ 3,465.00 (Single User License)
ID: A242A84A7C59EN

Abstracts

Market Overview

The Asia Pacific Extracorporeal Membrane Oxygenation (ECMO) Machine Market is poised for substantial growth between 2024 and 2034, driven by rising cases of respiratory and cardiac failure, increasing adoption of advanced life-support technologies, and growing investments in critical care infrastructure. The market is projected to reach USD XX.XX billion by 2034, growing at a CAGR of XX.XX% from USD XX.XX billion in 2024. Key factors influencing market expansion include:

Rising Incidence of Cardiopulmonary Diseases: The increasing prevalence of conditions such as acute respiratory distress syndrome (ARDS), chronic obstructive pulmonary disease (COPD), and heart failure is fueling demand for ECMO machines.

Technological Advancements in ECMO Systems: Innovations such as portable and compact ECMO systems, improved oxygenators, and automation in monitoring and control enhance patient outcomes and operational efficiency.

Growing Adoption in Neonatal and Pediatric Care: The rising demand for ECMO in neonatal and pediatric intensive care units (NICUs and PICUs) to manage

+357 96 030922
info@marketpublishers.com

respiratory distress in premature infants is expanding the market scope.

Definition and Scope of ECMO Machines

Extracorporeal Membrane Oxygenation (ECMO) machines are life-support systems used in critical care settings to provide prolonged cardiac and respiratory support to patients with severe heart and lung failure. ECMO functions by oxygenating blood outside the body and returning it to circulation, acting as an artificial lung and heart. The machines are primarily used in intensive care units (ICUs), operating rooms, and emergency settings.

Market Drivers

Increase in Cardiopulmonary Conditions: The rising incidence of heart failure, pulmonary embolism, and acute respiratory conditions, including COVID-19-related complications, is propelling demand for ECMO systems.

Advancements in Critical Care Infrastructure: Governments and private healthcare institutions are investing in ICU expansions and ECMO training programs, fostering market growth.

Expanding Use in Organ Transplants and Cardiac Surgery: ECMO is increasingly used as a bridge to heart and lung transplantation and in post-surgical cardiac support, boosting market adoption.

Market Restraints

High Cost of ECMO Machines and Treatment: The significant cost of ECMO systems, along with operational expenses, limits accessibility, especially in low- and middle-income countries.

Complexity of ECMO Procedures: The requirement for specialized healthcare professionals and continuous patient monitoring poses operational challenges.

Risk of Complications: ECMO therapy is associated with risks such as bleeding, infection, and thrombosis, which may hinder its widespread adoption.

+357 96 030922
info@marketpublishers.com

Opportunities

Rising Investments in Healthcare Infrastructure: Increased government funding and private sector investments in advanced critical care facilities are expected to drive market expansion.

Technological Innovations in ECMO Systems: Developments such as miniaturized ECMO devices, integrated monitoring solutions, and AI-driven automation present significant growth opportunities.

Expanding Application in Emergency and Transport ECMO: The adoption of mobile ECMO units for pre-hospital and emergency use is opening new avenues in the market.

Market Segmentation Analysis

By Modality

Veno-Venous

Veno-Arterial

By Patient Type

Adult

Neonatal

Pediatric

By Component

Pumps

Cannula

Oxygenator

+357 96 030922
info@marketpublishers.com

Controllers

Regional Analysis

The Asia Pacific ECMO Machine Market demonstrates strong growth across key countries:

China: The largest market, driven by increasing ICU bed capacity, growing medical technology investments, and rising cardiopulmonary disease prevalence.

India: A rapidly expanding market with a growing number of ECMO centers, increasing healthcare expenditure, and rising awareness of ECMO as a life-saving therapy.

Japan: A technologically advanced market with high ECMO adoption in tertiary care hospitals and a strong emphasis on medical device innovation.

Southeast Asia: Emerging economies such as Thailand, Indonesia, and Malaysia are witnessing increasing ECMO adoption due to expanding healthcare infrastructure and medical tourism.

Australia: A mature market with strong demand for ECMO in neonatal and pediatric care, as well as a growing focus on improving extracorporeal life-support technologies.

The Asia Pacific ECMO Machine Market is set for substantial growth, driven by advancements in critical care, rising prevalence of cardiopulmonary diseases, and increasing investments in healthcare infrastructure. Despite challenges such as high costs and procedural complexities, technological innovations and expanding applications in neonatal, pediatric, and emergency care present lucrative opportunities for market players.

Competitive Landscape

Key players operating in the Asia Pacific ECMO Machine Market include:

+357 96 030922
info@marketpublishers.com

Medtronic Plc

Getinge AB

LivaNova PLC

Terumo Corporation

Abbott Laboratories

Fresenius Medical Care AG & Co. KGaA

Eurosets Srl

ALung Technologies, Inc.

Nipro Corporation

Xenios AG (a subsidiary of Fresenius Medical Care)

+357 96 030922
info@marketpublishers.com

Contents

1. INTRODUCTION

1.1. Definition of Extracorporeal Membrane Oxygenation (ECMO) Machines
1.2. Scope of the Report
1.3. Research Methodology

2. EXECUTIVE SUMMARY

2.1. Key Findings
2.2. Market Snapshot
2.3. Key Trends

3. MARKET DYNAMICS

3.1. Market Drivers
  3.1.1. Rising Prevalence of Cardiopulmonary Diseases
  3.1.2. Increasing Adoption of ECMO in Critical Care Settings
  3.1.3. Technological Advancements in ECMO Machines
  3.1.4. Growing Demand for ECMO in Neonatal and Pediatric Care
3.2. Market Restraints
  3.2.1. High Costs Associated with ECMO Therapy
  3.2.2. Limited Availability of Skilled Professionals
  3.2.3. Risks and Complications Associated with ECMO Procedures
3.3. Market Opportunities
  3.3.1. Expanding Healthcare Infrastructure in Emerging Economies
  3.3.2. Integration of Artificial Intelligence and Automation in ECMO Machines
  3.3.3. Increasing Government and Private Investments in Healthcare Technology
  3.3.4. Rising Demand for Portable and Miniaturized ECMO Systems

4. ASIA PACIFIC ECMO MACHINE MARKET ANALYSIS

4.1. Market Size and Forecast (2024–2034)
4.2. Market Share Analysis by:
  4.2.1. Modality
    4.2.1.1. Veno-Venous (VV) ECMO
    4.2.1.2. Veno-Arterial (VA) ECMO
  4.2.2. Patient Type

+357 96 030922
info@marketpublishers.com

4.2.2.1. Adult
4.2.2.2. Neonatal
4.2.2.3. Pediatric
4.2.3. Component
4.2.3.1. Pumps
4.2.3.2. Cannula
4.2.3.3. Oxygenator
4.2.3.4. Controllers
4.3. Value Chain Analysis
4.4. SWOT Analysis
4.5. Porter’s Five Forces Analysis

5. REGIONAL MARKET ANALYSIS

5.1. China
5.1.1. Market Overview
5.1.2. Market Size and Forecast
5.1.3. Key Trends
5.1.4. Competitive Landscape
5.2. India
5.2.1. Market Overview
5.2.2. Market Size and Forecast
5.2.3. Key Trends
5.2.4. Competitive Landscape
5.3. Japan
5.3.1. Market Overview
5.3.2. Market Size and Forecast
5.3.3. Key Trends
5.3.4. Competitive Landscape
5.4. South Korea
5.4.1. Market Overview
5.4.2. Market Size and Forecast
5.4.3. Key Trends
5.4.4. Competitive Landscape
5.5. Australia
5.5.1. Market Overview
5.5.2. Market Size and Forecast
5.5.3. Key Trends
5.5.4. Competitive Landscape

+357 96 030922
info@marketpublishers.com

5.6. Rest of Asia Pacific
5.6.1. Market Overview
5.6.2. Market Size and Forecast
5.6.3. Key Trends
5.6.4. Competitive Landscape

6. COMPETITIVE LANDSCAPE

6.1. Market Share Analysis of Key Players
6.2. Company Profiles of Key Players
6.2.1. Medtronic Plc
6.2.2. Getinge AB
6.2.3. LivaNova PLC
6.2.4. Terumo Corporation
6.2.5. Abbott Laboratories
6.2.6. Fresenius Medical Care AG & Co. KGaA
6.2.7. Eurosets Srl
6.2.8. ALung Technologies, Inc.
6.2.9. Nipro Corporation
6.2.10. Xenios AG (a subsidiary of Fresenius Medical Care)
6.3. Recent Developments and Innovations
6.4. Strategic Initiatives

7. FUTURE OUTLOOK AND MARKET FORECAST

7.1. Market Growth Prospects
7.2. Technological Trends and Innovations
7.3. Investment Opportunities
7.4. Strategic Recommendations

8. KEY INSIGHTS AND REITERATION OF MAIN FINDINGS

9. FUTURE PROSPECTS FOR THE ASIA PACIFIC ECMO MACHINE MARKET

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Asia Pacific Extracorporeal Membrane Oxygenation Machine Market Size, Share, Trends & Analysis by Modality (Veno-Venous, Veno-Arterial), by Patient Type (Adult, Neonatal, Pediatric), by Component (Pumps, Cannula, Oxygenator, Controllers) and Region, with Forecasts from 2024 to 2034.

Product link: https://marketpublishers.com/r/A242A84A7C59EN.html

Price: US$ 3,465.00 (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/A242A84A7C59EN.html