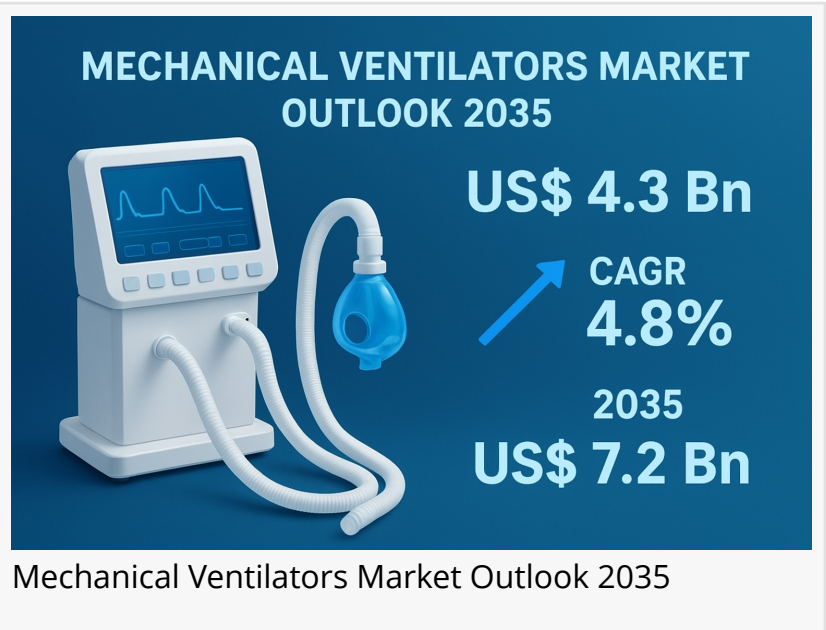


# Mechanical Ventilators Industry Expected to Surpass USD 7.2 Billion by 2035 Supported by Rising ICU Admissions Worldwide

*Mechanical Ventilators Market Forecast to Grow from USD 4.3 Billion in 2024 to USD 7.2 Billion by 2035 - Analysis by Transparency Market Research*

WILMINGTON, DE, UNITED STATES,  
August 25, 2025 /EINPresswire.com/ --  
Market Size-

The global [mechanical ventilators market](#) was valued at USD 4.3 billion in 2024 and is projected to expand at a CAGR of 4.8% from 2025 to 2035. By the end of 2035, the industry is expected to reach USD 7.2 billion, fueled by the rising prevalence of respiratory disorders, growing geriatric population, and increasing adoption of advanced critical care equipment worldwide.



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Global Mechanical Ventilators Market to Record Growth from USD 4.3 Billion in 2024 to USD 7.2 Billion in 2035"

*Latest Report by Transparency Market Research, Inc.*

## Market Overview-

The Mechanical Ventilators Market plays a vital role in modern healthcare, providing life-support systems for patients suffering from respiratory failure, chronic obstructive pulmonary disease (COPD), acute respiratory distress syndrome (ARDS), and other critical conditions.

With advancements in intensive care and the rising demand for non-invasive ventilation solutions, mechanical ventilators are increasingly being deployed across hospitals, ambulatory surgical centers, and home care settings.

## Market Description-

Mechanical ventilators deliver controlled oxygen and remove carbon dioxide from patients who are unable to breathe adequately on their own. Devices range from invasive ventilators used in critical care units to non-invasive ventilators designed for homecare and long-term therapy. Key features such as portability, integration with monitoring systems, and adaptive ventilation modes are driving adoption. The COVID-19 pandemic highlighted the essential role of these devices, accelerating R&D and boosting investment in ventilator technologies.

## Key Players-

- Narang Medical Limited
- Hamilton Medical
- A.B. Industries
- Noccarc Robotics Pvt Ltd
- Philips
- Fisher & Paykel Healthcare
- Draeger
- Medtronic
- GE Healthcare
- Getinge
- Mindray
- Vyair Medical, Inc.
- ResMed Inc
- SCHILLER
- Other Prominent Players

## Recent Developments in the Mechanical Ventilators Market

- October 2024 – GE HealthCare issued an updated notice after final testing of its EVair Compressor showed formaldehyde emissions were well below the safety threshold for the intended patient population. Based on these results, GE HealthCare confirmed that previously recommended precautionary actions for EVair Compressors are no longer applicable.
- January 2024 – Mindray (Shenzhen Mindray Bio-Medical Electronics) announced a ¥6.65 billion (US\$927 million) deal to acquire a controlling stake in APT Medical. Through its wholly owned subsidiary, Mindray will purchase a 21.1% stake from existing shareholders, including funds linked to venture investment firm Qiming Venture. Following this transaction, Mindray will become the controlling shareholder of APT Medical, further expanding its presence in cardiovascular disease-related businesses.

## Key Player Strategies-

- Innovation in Non-invasive Ventilation: Expanding product lines with advanced NIV solutions

for COPD and sleep apnea patients.

- **AI Integration:** Developing smart ventilators with AI-driven monitoring and predictive analytics.
- **Portable and Homecare Ventilators:** Increasing focus on lightweight, portable ventilators for home-based respiratory care.
- **Geographic Expansion:** Strengthening presence in Asia-Pacific and Latin America, where demand for critical care devices is rising.
- **Collaborations and Partnerships:** Partnering with hospitals, governments, and research institutions to enhance availability and training.
- **Sustainability:** Designing energy-efficient and eco-friendly devices aligned with sustainable healthcare goals.

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#### Challenges-

- **High Cost of Advanced Ventilators:** Limits accessibility in low- and middle-income countries.
- **Shortage of Skilled Professionals:** Operation requires trained personnel, particularly in ICUs and emergency settings.
- **Risk of Ventilator-Associated Infections:** Invasive ventilation can increase the risk of pneumonia and other infections.
- **Reimbursement Issues:** Lack of standardized reimbursement policies in developing regions.
- **Market Saturation in Developed Regions:** Intense competition and limited growth potential in North America and Europe.

#### Opportunities-

- **Growing Demand for Homecare Ventilators:** Increasing adoption among elderly and chronic disease patients.
- **Technological Advancements:** AI-enabled ventilators, wireless monitoring, and adaptive modes enhancing efficiency.
- **Rising Healthcare Expenditure:** Expanding hospital infrastructure in emerging economies fuels demand.
- **Preparedness for Future Pandemics:** Governments investing in stockpiling and rapid manufacturing capacity.
- **Shift Toward Non-invasive Solutions:** Preference for comfort, lower infection risk, and patient-friendly options.

#### Market Segmentations-

##### By Product Type

- Invasive Ventilators

- Non-invasive Ventilators

#### By Mobility

- Intensive Care Ventilators
- Portable/Transportable Ventilators

#### By Interface

- Face Masks
- Nasal Masks
- Others

#### By End User

- Hospitals
- Ambulatory Surgical Centers
- Homecare Settings
- Specialty Clinics

#### By Region

- North America: Mature market driven by advanced healthcare systems and high prevalence of COPD.
- Europe: Strong adoption of homecare ventilators and stringent regulatory standards.
- Asia-Pacific: Fastest-growing region with rising patient pool and government investments in healthcare.
- Latin America & Middle East & Africa: Emerging opportunities driven by improving access to critical care equipment.

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- Comprehensive Market Analysis: Understand growth drivers, trends, and market size projections.
- Detailed Segment Insights: Explore product types, mobility categories, and end-user demand.
- Competitive Landscape: Evaluate leading players' strategies and innovations.
- Strategic Forecasts: Gain access to long-term projections for informed decision-making.
- Opportunity Mapping: Identify growth avenues in non-invasive ventilation, homecare solutions, and emerging markets.
- Actionable Insights: Get recommendations to optimize investments and maximize returns.

#### Conclusion

The Mechanical Ventilators Market is set for steady growth as healthcare systems worldwide

emphasize preparedness, respiratory care, and patient-friendly solutions. While challenges such as high costs and skilled workforce shortages persist, opportunities in homecare ventilation, AI integration, and emerging market expansion present strong potential. This report provides stakeholders with a comprehensive understanding of the evolving mechanical ventilators landscape and actionable strategies to capture growth.

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factors shaping the dynamics of demand in various markets. The insights and perspectives on the markets evaluate opportunities in various segments. The opportunities in the segments based on source, application, demographics, sales channel, and end-use are analysed, which will determine growth in the markets over the next decade.

Our exclusive blend of quantitative forecasting and trends analysis provides forward-looking insights for thousands of decision-makers, made possible by experienced teams of Analysts, Researchers, and Consultants. The proprietary data sources and various tools & techniques we use always reflect the latest trends and information. With a broad research and analysis capability, Transparency Market Research employs rigorous primary and secondary research techniques in all of its business reports.

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