

Thoracic Surgery Devices Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Market Report | 2025-07-01 | 130 pages | Global Market Insights

AVAILABLE LICENSES:

- Single User \$4850.00
- Multi User \$6050.00
- Enterprise User \$8350.00

Report description:

The Global Thoracic Surgery Devices Market was valued at USD 750.8 million in 2024 and is estimated to grow at a CAGR of 6.3% to reach USD 1.37 billion by 2034. The market's momentum is being fueled by the rising incidence of thoracic conditions such as chronic obstructive pulmonary disease (COPD), lung cancer, and other diseases requiring surgical intervention. A growing aging population, exposure to environmental pollutants, and persistent smoking habits are contributing to the increased prevalence of these conditions. This surge in cases is directly raising the demand for advanced thoracic surgical instruments that can deliver better outcomes. Minimally invasive procedures such as video-assisted and robot-assisted thoracic surgeries are gaining ground due to benefits like reduced recovery time, minimized postoperative discomfort, and lower risks of complications.

These advanced surgical approaches have not only improved patient recovery but also significantly reduced hospitalization time, enabling a broader range of procedures to be performed in outpatient environments. This shift has spurred the rapid growth of ambulatory surgical centers (ASCs), which are now seen as efficient, cost-effective, and patient-friendly alternatives to conventional inpatient hospital care. ASCs allow for quicker patient turnaround, lower overhead costs, and improved scheduling flexibility, making them an increasingly attractive option for both healthcare providers and patients. As minimally invasive techniques become more refined and equipment more compact and specialized, ASCs are expanding their capabilities to handle complex thoracic surgeries that were once only possible in high-acuity hospital settings, further accelerating market demand for advanced surgical devices tailored to these facilities.

In 2024, the staplers segment emerged as the top contributor, generating USD 205.9 million. Ongoing innovations in design, such as powered, digital, and articulating staplers, are enhancing precision, reducing complications like tissue leaks, and increasing surgical efficiency. These advanced features improve tissue handling and reduce operative time while assisting surgeons in managing complex thoracic anatomy with greater confidence and safety.

The lobectomy procedures segment held the largest share at 44.2% in 2024. This technique remains the preferred treatment for early-stage non-small cell lung cancer, which accounts for a significant majority of lung cancer diagnoses. As screening technologies and diagnostic methods improve, more patients, particularly older individuals and those with higher risk factors - are being identified earlier and becoming candidates for surgical treatment. This rise in operable cases is driving demand for

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

specialized tools used in lobectomies, including vessel sealing instruments, dissection devices, and high-performance staplers. United States Thoracic Surgery Devices Market was valued at USD 302.8 million in 2024. The country continues to see high rates of lung cancer and COPD, both of which frequently require surgical intervention during advanced stages. With millions affected by these conditions, healthcare providers in the U.S. are steadily performing thoracic surgeries in hospitals and cancer center settings. The consistent demand for surgical treatment ensures that the need for thoracic devices remains strong across healthcare institutions nationwide.

Key players shaping this market include GE Healthcare, Biolitec, Medela, Fujifilm Holdings, Olympus, MicroPort, Cook Medical, ConMed, B. Braun, Intuitive Surgical, Medtronic, Cardinal Health, Boston Scientific, Karl Storz, and Johnson & Johnson. To solidify their position in the thoracic surgery devices market, leading companies are focusing on innovation-driven strategies. These include launching next-generation surgical tools with enhanced ergonomics, precision, and real-time feedback. Many players are expanding their global footprint through strategic partnerships and regional distribution agreements. Others are investing in R&D to create devices compatible with minimally invasive and robotic-assisted procedures. Offering customized solutions for specific surgical applications and optimizing cost-effectiveness for outpatient settings are also top priorities. Additionally, companies are integrating digital technology into devices to improve surgical accuracy and postoperative outcomes, helping them attract a broader range of healthcare providers.

□

Table of Contents:

Report Content

Chapter 1 Methodology and Scope

- 1.1 Market scope and definition
- 1.2 Research design
 - 1.2.1 Research approach
 - 1.2.2 Data collection methods
- 1.3 Data mining sources
 - 1.3.1 Global
 - 1.3.2 Regional/Country
- 1.4 Base estimates and calculations
 - 1.4.1 Base year calculation
 - 1.4.2 Key trends for market estimation
- 1.5 Primary research and validation
 - 1.5.1 Primary sources
- 1.6 Forecast model
- 1.7 Research assumptions and limitations

Chapter 2 Executive Summary

- 2.1 Industry 360 synopsis
- 2.2 Key market trends
 - 2.2.1 Regional
 - 2.2.2 Product
 - 2.2.3 Surgery type
 - 2.2.4 End use
- 2.3 CXO perspectives: Strategic imperatives
 - 2.3.1 Key decision points for industry executives
 - 2.3.2 Critical success factors for market players

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

2.4 Future outlook and strategic recommendations

Chapter 3 Industry Insights

3.1 Industry ecosystem analysis

3.1.1 Supplier landscape

3.1.2 Factor affecting the value chain

3.2 Industry impact forces

3.2.1 Growth drivers

3.2.1.1 Rising prevalence of lung cancer and chronic respiratory diseases

3.2.1.2 Growing adoption of minimally invasive techniques

3.2.1.3 Technological advancements in thoracic surgical instruments

3.2.1.4 Expansion of ambulatory surgical centers

3.2.2 Industry pitfalls and challenges

3.2.2.1 High cost of advanced thoracic surgical devices and robotic systems

3.2.2.2 Shortage of skilled thoracic surgeons and specialized training

3.2.3 Market opportunities

3.2.3.1 Increasing healthcare investments in emerging economies

3.2.3.2 Integration of AI and digital platforms in surgical planning and instrumentation

3.3 Growth potential analysis

3.4 Regulatory landscape

3.4.1 North America

3.4.2 Europe

3.4.3 Asia Pacific

3.4.4 Latin America

3.4.5 Middle East & Africa

3.5 Technology and innovation landscape

3.5.1 Current technological trends

3.5.2 Emerging technologies

3.6 Future market trends

3.7 Patent analysis

3.8 Pricing analysis

3.8.1 By product

3.8.2 By region

3.9 Gap analysis

3.10 Porter's analysis

3.11 PESTLE analysis

Chapter 4 Competitive Landscape, 2024

4.1 Introduction

4.2 Company market share analysis

4.3 Company matrix analysis

4.4 Competitive analysis of major market players

4.5 Competitive positioning matrix

4.6 Key developments

4.6.1 Mergers & acquisitions

4.6.2 Partnerships & collaborations

4.6.3 New product launches

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

4.6.4 Expansion plans

Chapter 5 Market Estimates and Forecast, By Product, 2021 - 2034 (\$ Mn)

- 5.1 Key trends
- 5.2 Clamps
- 5.3 Forceps
- 5.4 Graspers
- 5.5 Staplers
- 5.6 Scissors
- 5.7 Spreaders
- 5.8 Needle holders
- 5.9 Other products

Chapter 6 Market Estimates and Forecast, By Surgery Type, 2021 - 2034 (\$ Mn)

- 6.1 Key trends
- 6.2 Lobectomy
- 6.3 Wedge resection
- 6.4 Pneumonectomy
- 6.5 Other surgery types

Chapter 7 Market Estimates and Forecast, By End Use, 2021 - 2034 (\$ Mn)

- 7.1 Key trends
- 7.2 Hospitals
- 7.3 Ambulatory surgical centers
- 7.4 Other end use

Chapter 8 Market Estimates and Forecast, By Region, 2021 - 2034 (\$ Mn)

- 8.1 Key trends
- 8.2 North America
 - 8.2.1 U.S.
 - 8.2.2 Canada
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.2 UK
 - 8.3.3 France
 - 8.3.4 Italy
 - 8.3.5 Spain
 - 8.3.6 Netherlands
- 8.4 Asia Pacific
 - 8.4.1 China
 - 8.4.2 Japan
 - 8.4.3 India
 - 8.4.4 Australia
 - 8.4.5 South Korea
- 8.5 Latin America
 - 8.5.1 Brazil
 - 8.5.2 Mexico

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.5.3 Argentina
- 8.6 Middle East and Africa
 - 8.6.1 South Africa
 - 8.6.2 Saudi Arabia
 - 8.6.3 UAE

Chapter 9 Company Profile

- 9.1 B. Braun
- 9.2 Biolitec
- 9.3 Boston Scientific
- 9.4 Cardinal Health
- 9.5 ConMed
- 9.6 Cook Medical
- 9.7 Fujifilm Holdings
- 9.8 GE Healthcare
- 9.9 Intuitive Surgical
- 9.10 Johnson & Johnson
- 9.11 Karl Storz
- 9.12 Medela
- 9.13 Medtronic
- 9.14 MicroPort
- 9.15 Olympus

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

**Thoracic Surgery Devices Market Opportunity, Growth Drivers, Industry Trend
Analysis, and Forecast 2025 - 2034**

Market Report | 2025-07-01 | 130 pages | Global Market Insights

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User	\$4850.00
	Multi User	\$6050.00
	Enterprise User	\$8350.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-16"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

