

Microwave Ablation Devices Industry Report: Competitive Landscape and Future Prospects

*The Business Research Company's
Microwave Ablation Devices Global
Market Report 2025 – Market Size,
Trends, And Global Forecast 2025-2034*

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[/EINPresswire.com/](#) -- How Big Is The
[Microwave Ablation Devices Market](#) In
2025?



The [microwave ablation devices market size](#) has seen a swift growth in the last few years. It is anticipated that it will expand from \$0.42 billion in 2024 to reach \$0.47 billion the following year, with a compound annual growth rate (CAGR) of 10.8%. This notable growth throughout the historic period can be linked to the rise in cancer cases, the growing demand for less invasive procedures, the limited effectiveness of conventional therapies, an increase in cardiac rhythm disorders, and its broader use in treating liver and lung tumors.



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The market for microwave ablation devices is projected to experience substantial growth in the upcoming years, expanding to \$0.70 billion in 2029 with a compound

annual growth rate (CAGR) of 10.5%. Factors contributing to this projected increase during the forecast period include the rising inclination towards outpatient ablation, an improved reimbursement policy, increased acceptance in emerging markets, a growing elderly population, and the increased usage of image-guided navigation systems. Foreseeable trends during this period include the production of more portable and compact devices, the integration of AI into procedural planning, the usage of combination therapies with immunotherapy, and an increasing prevalence of multi-organ ablation strategies.

Download a free sample of the microwave ablation devices market report:

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What Is The Crucial Factor Driving The Global Microwave Ablation Devices Market?

The rise in the occurrences of cancer is predicted to boost the advancement of the microwave ablation devices market. As a disease where irregular cells grow without restraint and can metastasize to varying body parts, cancer rates are predominantly increasing due to an augmented risk of age-related diseases such as cancer as life expectancy extends. The use of microwave ablation devices in treating cancer involves the emission of electromagnetic waves that generate heat to eradicate tumor cells, allowing for a precise, minimally invasive method that doesn't harm healthy tissue and hastens recovery. For example, the World Health Organization, a Switzerland-based intergovernmental organization, projected in February 2024 that there would be over 35 million new cases of cancer by 2050, a 77% surge in comparison to the projected 20 million cases in 2022. As such, the escalating number of cancer cases is fueling the advancement of the microwave ablation devices market.

Who Are The Emerging Players In The Microwave Ablation Devices Market?

Major players in the Microwave Ablation Devices Global Market Report 2025 include:

- Vispero Holdings LLC
- HumanWare Group
- Freedom Scientific Inc.
- Aira Tech Corp.
- Low Vision International AB
- IrisVision Global Inc.
- SELVAS Healthcare Inc.
- KAPSYS PTE. LTD.
- Sight and Sound Technology
- Envision Technologies B.V.

What Are The Key Trends Shaping The Microwave Ablation Devices Industry?

Major firms in the microwave ablation devices market are turning their attention to the creation of innovative products that have regulatory authorization. These include sophisticated microwave ablation systems offering great precision to enhance patient results in less invasive cancer treatments. A high-accuracy microwave ablation system is a modern medical tool that utilizes targeted microwave energy to accurately remove tumor tissue. It provides precise heat with little effect on nearby healthy areas, enhancing safety and efficacy of treatment. An illustrative example is Hygea Medical Technology Co. Ltd., a China-based medical device producer that, in January 2024, got the Food and Drug Administration's (FDA) approval for their EXCEED microwave treatment system and EXACT series microwave ablation probe. These approvals came on the heels of the National Medical Products Administration's (NMPA) approval in China, following a smooth and efficient review process. This FDA approval authenticates the safety, efficiency, and quality of Hygea's products for the treatment of different solid tumors in

soft tissues. This approval is a significant achievement for Hygea's global expansion, particularly in the U.S. where the microwave ablation market is located. The system supplements current cancer treatments by introducing a precise, minimally invasive thermal ablation alternative.

What Segments Are Covered In The Microwave Ablation Devices Market Report?

The microwave ablation devices market covered in this report is segmented –

- 1) By Product Type: Portable Wireless Ultrasound Devices, Handheld Ultrasound Devices
- 2) By Technology: Pulsed Echo Technology, Continuous Wave Technology, Thermal Ultrasound Technology
- 3) By Frequency Range: Low Frequency (1-5 Megahertz), High Frequency (5-15 Megahertz), Very High Frequency (>15 Megahertz)
- 4) By Application: Oncology, Cardiovascular, Urology, Orthopedic, Other Applications
- 5) By End-User: Hospitals, Clinics, Ambulatory Surgical Centers, Diagnostic Centers

Subsegments:

- 1) By Portable Wireless Ultrasound Devices: Laptop-Based Ultrasound Systems, Tablet-Based Ultrasound Systems, Smartphone-Integrated Ultrasound Devices, Trolley-Mounted Portable Units
- 2) By Handheld Ultrasound Devices: Single-Probe Handheld Ultrasound, Dual-Probe Handheld Ultrasound, Linear Array Handheld Ultrasound, Convex Array Handheld Ultrasound

View the full microwave ablation devices market report:

<https://www.thebusinessresearchcompany.com/report/microwave-ablation-devices-global-market-report>

Which Region Is Projected To Hold The Largest Market Share In The Global Microwave Ablation Devices Market?

For the year 2025, the Microwave Ablation Devices Global Market Report indicates that North America had the biggest market share in 2024. Furthermore, Asia-Pacific is anticipated to witness the most rapid growth during the forecast period. The report encompasses the markets of Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbrc.info

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Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

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