

Global Microtome Market Outlook 2025-2034: Growth Drivers, Share, And Trends

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

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How has the [Microtome Market](#) Grown in Recent Years and Where is it Headed?

The [microtome market size](#) has grown strongly in recent years. It has shot up from \$0.24 billion in 2024 to \$0.26 billion in 2025, at a compound annual growth rate CAGR of 6.9%. The growth in the historic period can be attributed to the rising awareness about early diagnosis, increasing demand for biopsies, an increasing geriatric population, the burgeoning demand for microtomes, and a growing prevalence of cancer.

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What is Driving the Growth of the Microtome Market?

Progressing forward, the microtome market size is expected to see strong growth in the next few years, growing to \$0.34 billion in 2029 at a compound annual growth rate CAGR of 6.5%. This growth in the forecast period is largely attributed to the rising prevalence of chronic diseases, an increase in the elderly population, growing prevalence of oncological disorders, a rising adoption of microtomes in the field of neuroscience, and the growth of precision medicine.

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Who Are The Key Players in the Microtome Market?

Notably, the microtome market is supported by several major companies, including Cardinal Health Inc., Leica Biosystems Nussloch GmbH, Sakura Finetek Inc., RWD Life Science Co. Ltd., SM

Scientific Instruments Pvt. Ltd., Narang Medical Limited, AGD Biomedicals Pvt. Ltd., Diapath S.p.A., Milestone Medical, and others. These companies play a pivotal role in the development of the market, shaping its growth and contributing to advancements in the industry.

What's in Store for the Microtome Market?

Futuristic trends in the forecast period include significant advancements in automation and motorized microtomes with programmable features, the introduction of diamond-coated blades, integration with imaging systems, and advancements in high-resolution sectioning. Annually, the incidence of cancer could rise to a whopping 35 million by 2050, marking a 77% increase from 2022 figures. Therefore, the rising prevalence of oncological disorders is slated to drive the growth of the microtome market.

How Could the Microtome Market be Segmented for Better Understanding?

For a detailed understanding, the microtome market report is segregated by product, technology, application, and end-user as follows:

- 1 Instruments, Accessories
- 2 Fully Automated, Semi-Automated, Manual
- 3 Disease Diagnosis, Medical Research
- 4 Hospitals, Clinical And Diagnostic Laboratories, Academic Research Centers, Other End-Users

Further, it is divided into subsegments, including Rotary Microtome, Cryostat Microtome, Vibrating Microtome, Ultramicrotome, Sledge Microtome & Blades And Knives, Blade Holders, Specimen Holders, Sectioning Aids, Safety Covers And Disposables.

How is the Microtome Market Geographically Distributed?

As per our report, North America stood as the dominant region in the microtome market back in 2024, while the regions of Asia-Pacific, Western Europe, Eastern Europe, South America, Middle East, Africa also forming significant segments of the market.

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Contact us at:

The Business Research Company

Americas: +1 3156230293

Asia: +44 2071930708

Europe: +44 2071930708

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Oliver Guirdham

The Business Research Company

+44 20 7193 0708

info@tbrc.info

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