

Fractional RF Microneedle Device Market Outlook: Trends, Applications, Verticals, Regions & Forecast 2029

*The Business Research Company's
Fractional RF Microneedle Device Market
Outlook: Trends, Applications, Verticals,
Regions & Forecast 2029*

LONDON, GREATER LONDON, UNITED
KINGDOM, October 13, 2025

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What Is The Estimated Industry Size Of Fractional Radio Frequency (RF) Microneedle Device Market?

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Expected to grow to \$1.65 billion in 2029 at a compound annual growth rate (CAGR) of 12.6%”

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In recent years, there has been a quick expansion in the market size for fractional radio frequency (RF) microneedle devices. This market is projected to increase from \$0.91 billion in 2024 to \$1.02 billion in 2025, representing a compound annual growth rate (CAGR) of 13.0%. This historical growth can be credited to a rising emphasis on anti-aging and wrinkle reduction solutions, an increased interest in non-invasive skin tightening methods, a surge in the accessibility of sophisticated dermatology devices in

various markets, the growing impact of social media on the uptake of cosmetic procedures, and an upturn in healthcare infrastructure that supports aesthetic dermatology services.

The market for fractional radio frequency (RF) microneedle devices is projected to experience swift expansion over the coming years, with an expected valuation of \$1.65 billion by 2029, reflecting a compound annual growth rate (CAGR) of 12.6%. This growth during the forecast period is largely influenced by the escalating investments in research and innovation for sophisticated RF microneedle apparatus, increased preference for individualized and combined aesthetic procedures, growth in the adoption of less invasive operations in developing economies, rapid technology advancements improving treatment accuracy and safety, as well as

the proliferation of dermatological clinics and medical spas. Dominant trends anticipated during the forecast period encompass progression in portable, user-friendly RF microneedle devices, the emergence of combination therapies merging RF microneedling with platelet-rich plasma (PRP) and laser treatments, breakthroughs in customizable treatment options for varied skin types, enhancement in safety measures including real-time monitoring and insulated needles, as well as the creation of AI-guided treatment protocols for superior results.

Download a free sample of the fractional radio frequency (rf) microneedle device market report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=28226&type=smp>

What Are The Major Factors Driving The Fractional Radio Frequency (RF) Microneedle Device Global Market Growth?

The fractional radio frequency (RF) microneedle device market is poised to grow as the demand for minimally invasive cosmetic procedures increases. These procedures, which utilize techniques like injections, lasers, or tiny incisions to enhance appearance, have the advantage of shorter recovery periods and lower risk compared to traditional surgical methods. As a result, more patients are opting for these treatments that enable them to return to their routine activities swiftly. Fractional RF microneedle devices, with their insulated or adjustable-depth needles, provide safe, accurate, and consistent results by focusing on selected skin layers. For example, the American Society of Plastic Surgeons reported in September 2023 that there were 23.7 million minimally invasive cosmetic procedures executed in the U.S. in 2022, which implied a rise from the preceding years. A significant proportion of these procedures, totaling 8,736,591, were neuromodulator injections alone. Consequently, the burgeoning demand for minimally invasive cosmetic procedures serves as a catalyst for the expansion of the fractional RF microneedle device market.

Who Are The Leading Companies In The Fractional Radio Frequency (RF) Microneedle Device Market?

Major players in the Fractional Radio Frequency (RF) Microneedle Device Global Market Report 2025 include:

- Hologic Inc.
- InMode Ltd.
- Lumenis Be Ltd.
- Candela Medical Inc.
- Cutera Inc.
- Lutronic Corporation
- Venus Concept Inc.
- Dermatrix Inc.
- Cartessa Aesthetics LLC
- Beijing Nubway Science & Technology Co. Ltd.

What Are The Future Trends Of The Fractional Radio Frequency (RF) Microneedle Device Market?

Leading corporations in the fractional radio frequency (RF) microneedle device industry are prioritizing the development of RF delivery systems powered by depth intelligence, to guarantee accurate, secure, and uniform treatments. These advanced systems deliver radiofrequency energy to specified skin layers with superior precision, making the treatment more uniform, reducing tissue injury, and augmenting safety and efficiency. For example, in February 2023, Candela, a US firm specializing in medical aesthetics, unveiled the Profound Matrix System, a device that falls under the bracket of fractional radio frequency (RF) microneedle. Notably, this device incorporates the Matrix Pro applicator that embeds depth intelligence technology, provides real-time response to impedance changes, and enables the user to control depth and energy in three different settings within a single insertion. The Profound Matrix System empowers medical practitioners to adjust treatments according to the unique needs of each patient, thereby improving results in skin firming, wrinkle reduction, and comprehensive facial rejuvenation.

What Are The Primary Segments Covered In The Global Fractional Radio Frequency (RF) Microneedle Device Market Report?

The fractional radio frequency (RF) microneedle device market covered in this report is segmented as

- 1) By Product Type: Single-Needle Devices, Multi-Needle Devices
- 2) By Application: Skin Rejuvenation, Acne Scar Treatment, Wrinkle Reduction, Hyperpigmentation, Other Applications
- 3) By End-User: Hospitals, Dermatology Clinics, Aesthetic Centers, Other End-Users

Subsegments:

- 1) By Single-Needle Devices: Insulated Single-Needle, Non-Insulated Single-Needle, Adjustable Depth Single-Needle, Fixed Depth Single-Needle
- 2) By Multi-Needle Devices: Insulated Multi-Needle, Non-Insulated Multi-Needle, Adjustable Depth Multi-Needle, Fixed Depth Multi-Needle, Disposable Tip Multi-Needle, Reusable Tip Multi-Needle

View the full fractional radio frequency (rf) microneedle device market report:

<https://www.thebusinessresearchcompany.com/report/fractional-radio-frequency-rf-microneedle-device-global-market-report>

Which Region Is Forecasted To Grow The Fastest In The Fractional Radio Frequency (RF) Microneedle Device Industry?

In the 2025 Global Market Report for Fractional Radio Frequency (RF) Microneedle Devices, North America held the leading position for the specified year. It is anticipated that Asia-Pacific will become the quickest developing region during the forecasted timeframe. The report includes an analysis of several regions including Asia-Pacific, Western Europe, Eastern Europe, North

America, South America, as well as the Middle East and Africa.

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