

# Harmonic Filter Market Expected to Reach \$2.77 Billion by 2034 with a CAGR of 9.1%

*The growing usage of variable frequency drives is a prominent factor driving the harmonic filter market.*

NEW YORK CITY, NY, UNITED STATES, December 12, 2024 / EINPresswire.com/ -- The [harmonic filter market](#) forecast for 2034 is a specialized study of the industry with a specific concentration on the global market trend analysis.

The harmonic filter market is augmenting. The market is approximated to reach USD 2.77 billion by 2034. It was valued at USD 1.16 billion in 2024. It exhibited a CAGR of 9.1% from 2025 to 2034.



Harmonic Filter Market

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Harmonic filters are succession or collateral resonant circuits outlined to switch or obstruct harmonic currents. They decrease the harmonic currents unconfined in the power system from the wellspring and thereby decrease the harmonic voltage disturbance in the system. Such gadgets are costly and should only be utilized when alternate procedures to restrict harmonics have also been examined. The surfacing of AI is impacting the harmonic filter market growth favorably.

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ABB, Schneider Electric, Siemens, Baron Power, MTE Corporation, Comsys AB, Eaton, TDK Corporation, and Schaffner Holding AG are some of the leading players in the harmonic filter market. Spearheading market contenders are funding massively in research and development to



Harmonic filters function by offering a low interference route for harmonic currents, permitting them to avoid susceptible instruments and lessening contortion in the power system."

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augment their offerings which will assist the market to grow even more.

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- In January 2023, Danfoss A/S, a Denmark-established firm that outlines and makes technologies and solutions for an assortment of industries, instigated productive harmonic alleviation that decreases harmonic filter power mislaying by 60%.

- In September 2023, Quality Energy, an Australia-established power standard and green solution maker, instigated a contemporary gamut of Active Harmonic Filters.

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- Surfacing of AI: The surfacing of artificial intelligence is pushing the market growth. AI algorithms inspect data from electrical systems to prophesy when an instrument may collapse because of harmonic disturbance. This enterprising perspective inspires the attachment of harmonic filters to prohibit problems, boosting demand.

- Automation of Industrial Procedures: Automation of industrial procedures usually includes the usage of variable frequency drives (VFDs) to regulate motors and other instruments. VFDs bring about harmonic disturbances, requiring the installation of harmonic filters to sustain power standards. Additionally, several automated procedures depend on susceptible electronic gadgets and regulatory systems that are more vulnerable to power standards. This, in turn, is having a favorable impact on harmonic filter market sales.

- Growing Urbanization: The growing urbanization worldwide pushes the market. As per a description issued by UN-Habitat, urban regions are hitherto home to 55% of the globe's population, and the percentage is anticipated to develop to 68% by 2050. Urban regions are growingly acquiring intelligent technologies for energy handling, conveyance, and interaction.

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- North America: North America accounted for the largest harmonic filter market share. The region's robust growth is primarily due to the speedy acquisition of progressive manufacturing procedures and growing funding in industrial automation. The existence of entrenched industries, such as automotive, aerospace, and energy, notably fostered the demand for productive power standard solutions, such as harmonic filters, in the region.
- Asia Pacific: Asia Pacific is anticipated to witness significant growth from 2025 to 2034. This can be attributed to speedy industrialization and urbanization. Nations such as China and India play an important part in the expected growth. China especially keeps on leading due to the regional market's extensive manufacturing base and continuing funding in framework projects.

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- Active
- Passive
- Hybrid

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- Single Phase
- Three Phase

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- Low Voltage
- Medium Voltage
- High Voltage

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- Industrial
- Commercial
- Residential

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- North America
  - o US
  - o Canada
- Europe
  - o Germany
  - o France
  - o UK



Which segment by product is anticipated to register a significant CAGR in the market during the forecast period?

The active segment is projected for significant growth in the global market during the forecast period.

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