

## **Moving Bed Bioreactor - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)**

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### **Report description:**

The Moving Bed Bioreactor Market is expected to register a CAGR of greater than 15% during the forecast period.

#### Key Highlights

- Inefficient irrigation within agriculture is also likely to boost the demand for MBBR, during the forecast period.
- Increasing R&D within water treatment technologies is likely to provide an opportunity for market growth, in the coming years.
- North America dominated the market, by occupying the major market share.

#### Moving Bed Bioreactor Market Trends

##### Municipal Wastewater Treatment to Dominate the Market

- The accumulation of nitrogen and phosphorus compounds, by discharge of wastewater, is one of the main causes for contamination in water bodies, such as lakes and rivers. For this reason, MBBR is being implemented by various countries to treat municipal wastewater.
- Recently, MBBRs invited increasing research interests in practice for municipal applications on a larger scale. Its application has undergone various degrees of modification and development. Moreover, as the carrier used in MBBR plays a crucial role in the overall performance, choosing the most efficient carrier could enhance the MBBR performance.
- MBBR is primarily used in municipal wastewater treatment of thousands of cities across the world. North America and Europe are adapting this technology at a faster rate than the other regions. The developed regions are active in adopting new

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technologies.

- As this is a new technology, the developed regions are using this technology to replace old technologies used in wastewater treatment plans. Wastewater in municipal treatment involves a lot of biomass. MBBR is one of the best solutions for the treatment of bio-waste.
- The developed regions of North America and Europe are expected to continue the momentum of adoption of this technology. The successful adoption of this technology, in these regions, is also responsible for its adaptation in the developing countries.
- Hence, municipal wastewater treatment is expected to dominate the market during the forecast period.

#### North America to Dominate the Market

- North America had accounted for the major market share, owing to the presence of developed nations, like the United States and Canada.
- The US market utilized MBBR from the 1990s, and pioneered many research and pilot plants. As the country is home to various multinational manufacturing companies, the technology for the production of efficient MBBR designs is developed in this country. The designs are developed for multiple uses, such as municipal water treatment, processed food effluent water treatment, pulp and paper effluent treatment, etc.
- The United States is the one of the highest consumers of water in the world. The water usage in the United States for cooling purposes is estimated to be 360 billion gallons per day. Approximately 80% of the US water and wastewater treatment industry is owned and managed publicly.
- The packaging market in the United States is driven by the higher demand from the food and beverage, pharmaceuticals and medicals, retail bags, and other non-food-related products industries.
- The healthcare sector has been one of the major industries in the country. It has been one of the most R&D intensive industries in the world. According to IFPMA, the share of the US pharma industry is expected to increase to 41% in 2020, on a global scale.
- Hence, owing to the increasing demand from the end-user industries, North America is likely to dominate the market during the forecast period.

#### Moving Bed Bioreactor Industry Overview

The market for moving bed bioreactors is moderately consolidated, as the market share is divided among a few companies. Some of the major players of the market include Veolia, Evoqua Water Technologies LLC, Aquatech International LLC, and Biowater Technology AS, and SUEZ, among others.

#### Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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