

Milking Robots Market by System Type (Single-stall Unit, Multi-stall Unit, Automated Milking Rotary). Herd Size (Below 100, Between 100 and 1,000, Above 1,000), Offering (Hardware, Software, Services), Species, Actuators and Region – Forecast to 2029

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Abstracts

The global milking robots market is projected to grow from USD 3.2 billion in 2024 to USD 5.3 billion by 2029, registering a CAGR of 10.8% during the forecast period. The Milking Robots Market is driven by economic factors like rising labor costs and increased milk production, technological advancements in sensor technology and automation, social shifts towards animal welfare and organic products, and governmental support through incentives and regulations. These factors collectively fuel growth, revolutionizing dairy farming practices toward efficiency, sustainability, and ethical standards. Regional variations and technological advancements further influence market dynamics, but the overarching trend points to significant market expansion and a pivotal role in addressing agricultural challenges.

“The farms with herd size below 100 is expected to hold the largest share in the overall milking robots market.”

The dominance of farms with herd sizes below 100 in the milking robots market stems from the accessibility and affordability of entry-level robotic solutions tailored for smaller operations. These farms find these systems more financially viable, allowing gradual automation integration without substantial upfront costs. Moreover, the flexibility and scalability offered by robots designed for smaller herds align perfectly with their operational needs while addressing labor efficiency concerns. This accessibility, affordability, and tailored suitability for smaller-scale operations contribute to these farms holding the largest share in the milking robots market.

“The services segment is expected to grow at a significant growth rate during the forecast period.”

The substantial growth in services within the milking robots market stems from the increased adoption of this technology, prompting a heightened demand for technical support, maintenance, and repair services. Moreover, the necessity for training programs and education to empower farmers in efficiently operating these systems fuels the expansion of service offerings. Additionally, the need for customization, upgrades, and continual advancements in technology drive service providers to offer tailored solutions, ensuring optimal performance and functionality of milking robots. This collective demand for diverse services caters to the evolving needs of farmers, augmenting the market's growth significantly.

“India is likely to grow fastest in the milking robots market during the forecast period.”

India's burgeoning growth in the milking robots market finds roots in a convergence of factors. The country's expanding dairy industry and growing demand for dairy products have fostered a need for more efficient milking solutions. The adoption of advanced technologies in agriculture, including milking robots, aligns with the sector's modernization drive. Rising labor costs and challenges in availability further propel the shift towards automated solutions. At the same time, government support and initiatives complement this transformation by encouraging the adoption of innovative farming technologies, facilitating India's rapid ascent in the milking robots market.

Breakdown of profiles of primary participants:

By Company Type: Tier 1 = 55%, Tier 2 = 20%, and Tier 3 = 25%

By Designation: C-level Executives = 57%, Directors = 29%, and Managers = 14%

By Region: North America = 35%, Europe = 30%, Asia Pacific = 25%, and Rest of the World = 10%

The major companies in the milking robots market include Lely (Netherlands), GEA Group AG (Germany), DeLaval (Sweden), Nedap Livestock Management (Netherlands), and BouMatic (US). Other key players include Fullwood JOZ (UK),

Milkomax Solutions Laiteres Inc. (Canada), System Happel GmbH (Germany), Waikato Milking Systems NZ LP (New Zealand), AMS Galaxy USA (US), and Dairymaster (Ireland).

Research Coverage

The report segments the milking robots market and forecasts its size, by value, based on region (North America, Europe, Asia Pacific, and the Rest of the World), by System Type (Single-stall Unit, Multi-stall Unit, Automated Milking Rotary). Herd Size (Below 100, Between 100 and 1,000, Above 1,000), Offering (Hardware, Software, Services), Species (Dairy Cattle, Goat, Sheep), and Actuators (Electric Actuators, Hydraulic Actuators, Pneumatic Actuators).

The report also comprehensively reviews market drivers, restraints, opportunities, and challenges in the milking robots market. The report also covers qualitative aspects in addition to the quantitative aspects of these markets.

Reasons to Buy the Report:

Analysis of key drivers (reduced labor costs due to automation in dairy farms, technological advancements in dairy farms, and benefits offered by automatic milking solutions), restraints (high initial investment, gradual transition to vegan diet affecting market growth in Europe, and dearth of skills and limited understanding of technology among farmers), opportunities (growing demand for dairy products and subsequent increase in the number of dairy farms globally, growing adoption of milking robots in developing countries, and increasing investments by governments), and challenges (integration of milking robots with grazing systems and lack of standardization, and trade barriers and stringent government regulations) influencing the growth of the milking robots market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the milking robots market

Market Development: Comprehensive information about lucrative markets – the report analyses the milking robots market across varied regions.

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the milking

robots market.

Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players like Lely (Netherlands), GEA Group AG (Germany), DeLaval (Sweden), Nedap Livestock Management (Netherlands), and BouMatic (US). Other key players include Fullwood JOZ (UK), Milkomax solutions laitères inc. (Canada), System Happel GmbH (Germany), Waikato Milking Systems NZ LP (New Zealand), AMS Galaxy USA (US), and Dairymaster (Ireland).

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*Details on Business Overview, Products/Solutions/Services offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

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