

Center Pivot Irrigation Systems Market Report and Forecast 2025-2034

Market Report | 2025-06-30 | 165 pages | EMR Inc.

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Report description:

The global center pivot irrigation systems market size reached approximately USD 3.91 Billion in 2024. The market is further projected to grow at a CAGR of 12.00% between 2025 and 2034, reaching a value of USD 12.14 Billion by 2034.

Key Trends in the Market

Center pivot irrigation systems are pressurised and mechanised water irrigation systems that apply water in circular patterns and pivot around a central point. They contain lateral pipelines made from stainless steel and are mounted across mobile structures to support the pipe. Pressure regulators are often utilised in these systems for creating low and high flow systems, depending upon the requirement.

- The center pivot irrigation systems market growth is aided by the increasing awareness about the various benefits associated with the utilisation of these systems including decreased water consumption and waste as they prevent water run-off, allowing efficient usage of water. The mechanical arm of the system ensures uniform distribution of water and helps avoid over-watering.

- The decreased availability of human labour is supporting the market expansion as center pivot irrigation systems can be monitored and operated remotely. The automated nature of the systems reduces the labour required for ensuring the optimum irrigation of the desired lands.

- Increased investments towards deployment of modern agricultural equipment and systems are offering lucrative growth opportunities to the market. Such investments are expected to have noticeable and significant effects on nutrition and health by boosting crop yields to meet the dietary requirements of the growing population.

Global Center Pivot Irrigation Systems Market Segmentation

The EMR's report titled "Center Pivot Irrigation Systems Market Report and Forecast 2025-2034" offers a detailed analysis of the

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market based on the following segments:

Market Breakup by Component

- Pivot Points
- Control Panels
- Span
- Sprinkler Drop
- Tower Drive Wheels
- Drive Train

Market Breakup by Mobility

- Stationary
- Mobile

Market Breakup by Field Size

- Small Field
- Medium Field
- Large Field

Market Breakup by Crop Type

- Cereals and Grains
- Fruits and Vegetables
- Oilseeds and Pulses
- Others

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Market Share by Field Size

Large fields are expected to account for a significant center pivot irrigation systems market share. Due to the ability of the system to efficiently utilise water and optimise the yield of the fields they are highly effective on large sized fields. Due to the circular nature and speedy water delivery provided by center pivot irrigation systems, they are most suitable for larger fields, aiding in reducing labour costs and increasing profits.

Market Share by Region

North America is anticipated to account for a significant share of the market in the coming years. This growth can be attributed to

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the rising investments towards the optimisation of irrigation systems and prominent presence of various key market players in the region. The uniform application of water and reduced requirement for human labour is further boosting the center pivot irrigation systems market demand. Furthermore, the center pivot irrigation system is also suitable for irrigating both fruit trees and vegetables.

Competitive Landscape

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis. The report gives a detailed analysis of the following key players in the market, covering their competitive landscape and latest developments like mergers, acquisitions, investments, and expansion plans.

Market Lindsay Corporation

Lindsay Corporation, headquartered in Nebraska, United States, the company is known for manufacturing center pivot irrigation systems along with rail and railroad infrastructure equipment. Lindsay is dedicated towards finding efficient ways to irrigate crops to increase yields for meeting the rising population demands.

Valmont Industries, Inc

Valmont Industries, Inc is one of the leading manufacturers of linear and center pivot irrigation equipment, steel utility poles, and windmill support structures, among others. The company was founded in 1946 and is headquartered in Nebraska, United States.

BAUER GmbH

BAUER GmbH is known for manufacturing and developing center pivot irrigation systems, attachments for forklift trucks, and waste containers, among others. Bauer is dedicated towards delivering products that meet the highest standard of quality and safety.

Other center pivot irrigation systems market key players include AIscO Europe S.A.U, Rainfine Irrigation Company, Tianjin Vodar Engineering Co., Ltd., T-L Irrigation Company, Reinke Manufacturing Co., Inc., Darling Irrigation, and Fockink Generating Solutions and Integrating Technologies, among others.

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