

# Smart Irrigation Controllers Market Size to Hit USD 5.23 Billion by 2032 | SNS Insider

*The Smart Irrigation Controllers Market is expanding with demand for water-efficient solutions, driven by IoT, AI, and automation in agriculture and landscaping*

AUSTIN, TX, UNITED STATES, February 13, 2025 /EINPresswire.com/ -- Market Size & Industry Insights

As Per the SNS Insider, "The [Smart Irrigation Controllers Market](#) size was valued at USD 2.00 Billion in 2023 and is expected to reach USD 5.23 Billion by 2032 and grow at a CAGR of 11.30% over the forecast period 2024-2032"



Smart Irrigation Controllers Market Size & Growth Analysis

Driven by increasing demand for water-efficient agricultural solutions, rising adoption of IoT-based irrigation systems, and advancements in AI-driven automation. Regionally, Smart Irrigation Controllers Wafer production volumes varied in 2023, with North America and Asia-Pacific leading due to strong technological adoption. Wafer chip design trends indicate a shift toward miniaturization and energy-efficient designs, while wafer fab capacity utilization in 2023 remained high to meet growing demand. Additionally, supply chain metrics highlight challenges in component availability, logistics, and production scalability. As the market evolves, enhanced precision agriculture techniques and government initiatives promoting sustainable irrigation practices will further drive adoption and innovation in the sector.

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SWOT Analysis of Key Players as follows:

- HUNTER INDUSTRIES
- Rain Bird Corporation
- The Toro Company

- Valmont Industries.
- Calsense
- Galcon
- Nelson Irrigation Corporation
- Weathermatic
- Lindsay Corporation
- HydroPoint Data Systems
- Netafim
- Rachio Inc.
- Orbit Irrigation Products
- Skydrop
- Weathermatic

## Key Market Segmentation

### By Type, Weather-based controllers dominating and Soil-Based Controllers Fastest Growing

In 2023, weather-based controllers dominated the Smart Irrigation Controllers Market, The rising emphasis on water conservation and the integration of IoT technology continue to drive the adoption of these controllers, making them the leading segment. Their precise water management capabilities reduce wastage and support sustainable agricultural practices, making them highly popular among commercial and residential users. Companies like Rain Bird offer weather-based controllers widely used in large agricultural fields, golf courses, and public parks, where accurate irrigation is essential.

Soil-based controllers are projected to experience the highest CAGR during the forecast period, driven by the increasing demand for precision agriculture and improved water efficiency across different farming environments. These controllers are particularly beneficial in areas with diverse soil conditions, optimizing water use and promoting healthy plant growth. For instance, Toro's soil-based controllers are commonly deployed in vineyards and orchards, where maintaining ideal soil moisture levels is crucial for crop quality and yield.

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### By End User, agricultural Dominating and non-agriculture Fastest Growing

In 2023, the agricultural segment dominated the Smart Irrigation Controllers Market, holding over 56% of the market share. Farmers and agricultural businesses are increasingly adopting smart irrigation systems to enhance crop production, conserve water, and reduce labor costs. These systems leverage real-time data to optimize irrigation schedules, ensuring precise water application tailored to specific crop needs. Companies like Netafim and Toro offer advanced irrigation controllers that integrate seamlessly with drip irrigation systems and other precision farming technologies. The agriculture sector is expected to witness continuous growth due to the

rising emphasis on sustainable farming practices and the need to meet increasing food demands.

The non-agriculture segment is projected to grow at a rapid pace from 2024 to 2032, driven by the rising awareness of sustainable water management in urban landscapes. Businesses such as golf courses, resorts, and corporate campuses are increasingly adopting smart irrigation solutions to improve water efficiency and reduce operational costs. Companies like Hunter Industries Corporation provide sophisticated irrigation systems designed for large non-agricultural areas, with urbanization further accelerating demand for these technologies.

### Regional Insights: North America Leads, APAC Poised for Rapid Growth

In 2023, North America dominated the Smart Irrigation Controllers Market, driven by the widespread adoption of advanced agricultural technologies and water conservation methods, particularly in the United States and Canada. The region's strong emphasis on sustainability and efficient water management has fueled demand for smart irrigation systems. Leading companies like Rain Bird Corporation have established a significant presence by offering innovative controllers integrated with weather data and moisture sensors to optimize irrigation timing. Additionally, the growing popularity of smart homes and connected devices is further accelerating the adoption of smart irrigation controllers.

The Asia-Pacific region is expected to witness the fastest growth during the forecast period, driven by increasing agricultural activities, rapid urbanization, and a heightened focus on water conservation. Countries such as China, India, and Australia are leading in smart irrigation adoption, particularly in large-scale farming and horticulture. Companies like Netafim and Jain Irrigation Systems Ltd. are actively developing tailored solutions to meet the diverse needs of the APAC market, including smart city applications.

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