

Connected Film Greenhouse Global Market Insights 2025, Analysis and Forecast to 2030, by Market Participants, Regions, Technology, Application, Product Type

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Abstracts

Overview of the Connected Film Greenhouse Market

The connected film greenhouse market is poised for significant growth by 2025, driven by increasing demand for sustainable and efficient agricultural practices. Aimed at maximizing yield while minimizing resource usage, connected film greenhouses leverage technology such as sensors, IoT devices, and automated systems to enhance cultivation processes. This innovative approach not only serves commercial farmers but also opens avenues for residential gardeners who wish to incorporate advanced gardening solutions.

Market Size

The global connected film greenhouse market is projected to reach approximately \$4.3 billion by 2025, growing at a compound annual growth rate (CAGR) of around 9.5% from 2020 to 2025. This growth is attributed to rising food security concerns and the need for efficient agricultural solutions in light of diminishing arable land.

Market Share & Trends Analysis

By Product Type

Commercial Greenhouses: Account for the majority market share, estimated at over 70%, with rising investments in large-scale farming operations.

Residential Greenhouses: Expected to grow at a CAGR of 11% as urban gardening becomes more popular, especially in metropolitan areas.

Key Players

The market consists of several prominent players, including:

Richel
Hoogendoorn
COFRA
Ridder
Harnois Greenhouses
Priva
Ceres Greenhouse
Denso
Van Der Hoeven
Beijing Kingpeng International Hi-Tech
Oritech
Prospiant
Trinog-xs (Xiamen) Greenhouse Tech
Netafim
Top Greenhouses

Market Insights by Process

The processes utilized in connected film greenhouses are diverse, with automation and data-driven decision-making at the forefront. The majority of greenhouses are focusing on:

Automated Control Systems: Set to dominate the market, facilitating remote monitoring and management of environmental conditions.

Integrated Pest Management: Gradually gaining traction due to the increasing need for sustainable pest control practices.

Application Segmentation

The connected film greenhouse market can be segmented based on applications:

Vegetables: Hold the largest market share, projected at 35% of the total market due to high consumer demand and economic value.

Ornamentals: Anticipated to grow at a CAGR of 8%, fueled by increasing demand for decorative plants.

Fruits: Also significant, with increasing investments in greenhouse facilities aimed at fruit cultivation.

Others: This includes herbs and flowers, collectively approximating 15% of the market.

End-Use Analysis

The end-use of connected film greenhouses can be analyzed through:

Commercial: Accounts for over 65% of demand, driven by large agricultural firms seeking to boost productivity.

Residential: Constitutes a rapidly growing market segment with growth expected at 10%.

Regional Insights

The geographical segmentation reveals the following regional characteristics:

North America: Expected to maintain a strong hold, accounting for 30% of the market share due to technological advancement.

Europe: Following closely, with a share of 25%, driven by sustainable farming initiatives.

Asia-Pacific: Projections indicate a rapid growth rate of 12% as urban agriculture accelerates in developing countries.

Latin America: Showing promise with approximately 15% market share driven by improving rural economies.

Market News and Policies

Recent policies aimed at supporting sustainable agricultural practices worldwide are expected to bode well for the connected film greenhouse market. Countries are introducing incentives for farmers to adopt environmentally friendly practices, including the installation of automated greenhouse systems.

Furthermore, companies like Priva and NETAFIM are investing in research and development, focusing on precision agriculture technologies that fit well within connected film greenhouses.

Segment Forecasts (2025 - 2030)

The connected film greenhouse market is projected to witness continued growth beyond 2025, with an expected increase in market size to approximately \$6.2 billion by

2030. Major trends anticipated include:

Integration of AI and Analytics: More advanced AI-driven solutions are expected to support decision-making processes in greenhouse management.

Increased Automation: Rising labor costs will drive further automation of greenhouse operations.

Focus on Environmental Sustainability: As consumers become increasingly aware of the environmental impact of farming, more strategies will focus on minimizing water usage and maximizing yields sustainably.

Conclusion

In conclusion, the connected film greenhouse market is on a robust upward trajectory. Driven by technological advancements and increasing demand for sustainable solutions, the market is expected to expand considerably over the coming years. Stakeholders in the industry, from key players to investors, should be mindful of trends in consumer demand and technological evolution, positioning themselves to capitalize on the anticipated growth.

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