

Global Vertical Farming and Plant Factory Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Vertical Farming and Plant Factory market size will reach 16,973 Million USD in 2025 and is projected to reach 181,705 Million USD by 2032, with a CAGR of 40.31% (2025-2032). Notably, the China Vertical Farming and Plant Factory market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Vertical farming and plant factories are innovative agricultural practices that involve cultivating crops in vertically stacked layers or inclined surfaces, often within controlled indoor environments. This approach aims to optimize space utilization, resource efficiency, and crop yields while minimizing the impact on the environment. Vertical farming typically employs soilless cultivation methods such as hydroponics, aeroponics, or aquaponics, where plants receive nutrients through water solutions. Controlled environmental parameters, including temperature, humidity, light, and nutrient levels, are closely monitored and regulated to create ideal conditions for plant growth. The vertical arrangement allows for the year-round production of crops, independent of external climate conditions. These systems often integrate advanced technologies like LED lighting and automation to enhance efficiency and precision in crop cultivation. Vertical farming and plant factories contribute to sustainable agriculture by reducing land usage, water consumption, and transportation requirements, making them promising solutions for urban agriculture and addressing global food security challenges.

The major global manufacturers of Vertical Farming and Plant Factory include AeroFarms, Lufa Farms, Gotham Greens, Sky Greens, Plenty (Bright Farms), Mirai, Spread, Scatil, TruLeaf, Sky Vegetables, GreenLand, Nongzhongwulian, SANANBIO, AgriGarden, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Vertical Farming and Plant Factory. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Vertical Farming and Plant Factory market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Vertical Farming and Plant Factory market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Vertical Farming and Plant Factory industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Vertical Farming and Plant Factory Include:

AeroFarms

Lufa Farms

Gotham Greens

Sky Greens

Plenty (Bright Farms)

Mirai

Spread

Scatil

TruLeaf

Sky Vegetables

GreenLand

Nongzhongwulian

SANANBIO

AgriGarden

Vertical Farming and Plant Factory Product Segment Include:

Hydroponics

Aeroponics

Vertical Farming and Plant Factory Product Application Include:

Vegetable Cultivation

Fruit Planting

Others

Chapter Scope

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