

Vertical Farm

Strawberry Vertical Farm



- Enables year-round strawberry cultivation regardless of outdoor climate
- Achieves significantly higher yields than greenhouses by increasing planting density and extending cultivation cycles
- Offers both fixed and mobile cultivation racks to suit available space



Vertical Smart Farm for Fruit and Vegetable Production

Method	Hydroponics with Drip Irrigation on Substrate Beds
Crops	Strawberries (Cultivar Customization Available)
Productivity	135kg/m ² (Up to 10 Times Higher Than Conventional Greenhouses)
Light Source	LED (PPFD 300 $\mu\text{mol}/\text{m}^2/\text{s}$ or Higher)
IoT-Control	Automated Monitoring and Adjustment of Environmental and Nutrient Conditions Enables Year-Round Production Through Environmental Scheduling
Dimensions	Flexible Design with Customizable Length and Unit Configuration

