

Custom Aeroponics Hydroponics System For Planting

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: MetalPlus
- Certification: CA ,CE ,ISO14001:2004, ISO9001:2000
- Minimum Order Quantity: 200sets
- Packaging Details: Ep paper ,kraft ,pallet ,wooden case
- Delivery Time: 20days
- Payment Terms: T/T ,L/C
- Supply Ability: 20000sets per month



Product Specification

- Product Name: Aeroponics Hydroponics System
- Application: Planting
- Material: Aluminum /PVC
- Color: Silvery /White /Black
- Length: 3 Meter ,5.8meter Or Customized
- Package: Plastic Bag, Bulk Package,Wooden Package
- Highlight: **Custom Aeroponics Hydroponics System ,
Planting Aeroponics Hydroponics System**



Product Description

Custom Aeroponics Hydroponics System for High Quality Planting

About Our Company

Our company MetalPlus that provides intelligent aeroponic cultivation solutions for the planting industry, integrating design, production and installation. All the production process are finished in our own factory including the extrusion of aluminum profiles, surface treatment of the materials, so that we can control the quality very well.

All of our personnel and workers have been professional trained, to provide our customers with best quality greenhouse, high planting technology and perfect after-sales service.



- MetalPlus with a research and development center in Beijing, China and an industrial aeroponic cultivation joint laboratory in Changsha.
- MetalPlus' research and development team is composed of PhDs and master's degree holders from well-known universities both domestically and internationally. We have independent research and development of core technologies and have applied for more than ten patents.
- We focus on smart agriculture solutions and technology services, is committed to promoting the development of standardized intelligent planting in plant factories, and advocates for replicable planting models. It empowers planting with technology, making it more energy-efficient, efficient, and safe.



About Aeroponics

Aeroponics, known as spray culture, is a soilless culture technology in which the soilless culture nutrient solution is atomized into small droplets by a spray device and sprayed directly into plant roots to provide water and nutrients needed for plant growth. It can be divided into spray culture and semi-spray culture according to whether part of plant roots invade in the nutrient solution layer.

1. It can well solve the problem of oxygen supply to the root system, and there is almost no phenomenon of poor growth due to root hypoxia.
2. The utilization rate of nutrients and water is high, and the nutrient supply is fast and effective.

3. It can make full use of the space of the greenhouse to increase the planting quantity and yield per unit area. The utilization of greenhouse space is 2-3 times higher than that of traditional flat cultivation.
4. Easy to realize the automation of cultivation management
5. Save the land, no soil is needed for hydroponics
6. All the growing conditions can be controlled with hydroponics system
7. Stable and high productivity
8. Plants grow healthier and easy to harvest

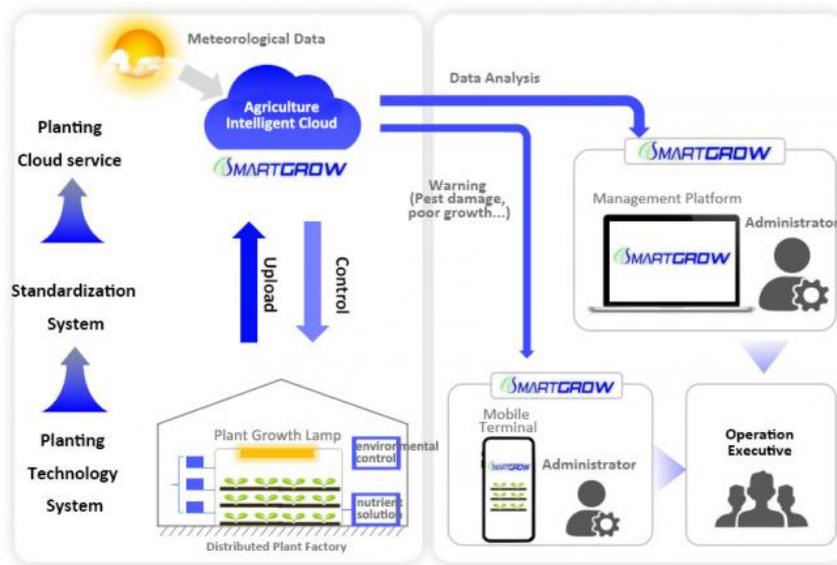
Our Aerosol cultivation technology route:

Substrate system / Hydroponics (deep flow, shallow flow) / Aeroponics system



Standardized smart planting solution:

In addition to providing solution technology and products, MetalPlus will continue to provide comprehensive operation and hosting services, reducing factory operation costs and improving production efficiency.



Project -- Hydrx, Canada (Whitby, Canopygrowth supporting project)



Advantage :

Professional technology: The product has undergone long-term operational validation and has shown significant advantages over domestic industry and research levels.

Supply chain advantage: After multiple rounds of production, suppliers have been integrated, greatly reducing costs while ensuring quality and timely delivery.

Business model: Intelligent planting solutions, operational services, and consumer market supply chain services to form a closed loop.

Strong team capability: Led by core members from Xiaomi's founding team, the team has complementary expertise in multiple fields, with over 10 years of experience and 6 years of industry specialization.

Key words:

- Smart planting device
- Intelligent planting equipment
- Smart farming technology
- Automated farming equipment
- Smart agriculture devices
- Intelligent horticulture equipment
- Smart plant growth systems
- AI-powered farming tools
- Automated irrigation systems
- Smart greenhouse solutions
- Precision agriculture technology
- Smart crop monitoring devices
- Smart farming sensors
- AI-based nutrient management systems
- Automated pest control

- Smart planting device
- Agricultural technology
- Automated planting
- Intelligent monitoring
- Unmanned plant cultivation
- Data analysis
- Automatic water and fertilizer adjustment
- Artificial intelligence
- Light control
- Water quality monitoring
- Growth environment regulation
- Internet of Things (IoT) technology
- Remote control operation
- Sensors
- Smart farming

