



## Custom Aeroponics Hydroponics System / Substrate System Intelligent 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: 3meter ,5.8meter Or Customized
- Package: Plastic Bag, Bulk Package,Wooden Package
- Highlight: **custom aeroponics hydroponics system,  
intelligent planting aeroponics hydroponics  
system  
, custom intelligent planting substrate system**



## Product Description

**aeroponics hydroponics system substrate system hydroponic grow systems intelligent planting equipment**

**Custom Aeroponics Hydroponics System Substrate System Hydroponic Grow Systems**

### 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

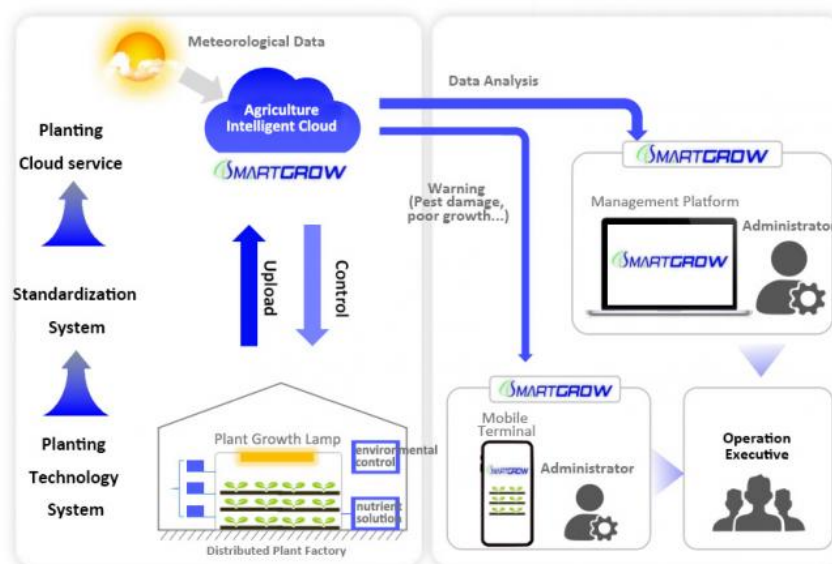
#### Our Aerosol cultivation technology route:

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



#### Standardized smart planting solution:

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



#### Our Advantage -----

**Holds the key to increasing the active ingredient content of plants .**

High content: The active ingredient CBD content is up to 20%

High yield: 2.4 LBS/module

High efficiency: uninterrupted production of 6 stubble + a year.

Cost saving: intelligent planting, save labor, save electricity, save water,

Save fertilizer and space.

No residue: no use of pesticides

Easy operation: Independent research and development of nutrient solution, light formula, standardized system, equipment operation is simple.

<b>Cannabinoid Profile</b>	
Cannabidiol (CBD)	1.01
Cannabidiolic Acid (CBDA)	10.83
Cannabigerolic Acid (CBGA)	0.11
Cannabinol (CBN)	BDL
Delta-9-tetrahydrocannabinol (THC)	0.10
Delta-9-tetrahydrocannabinolic Acid (THCA)	0.34
Total CBD	10.51
Total THC	0.40

**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



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