

PRODUCT CATALOGUE

Henan Greenleafy Agricultural Technology Co.,Ltd



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Who We Are?

Henan Greenleafy Agricultural Technology Co., Ltd
GREENHOUSE · BENCH · HYDROPONIC SYSTEM EXPERT

Providing professional greenhouse, bench, and hydroponic equipment manufacturing solutions.

We are an integrated industry and trade enterprise specializing in the R&D, production, and installation of advanced agricultural equipment. We are dedicated to providing turn-key custom solutions for modern horticulture, including commercial greenhouses, seedling benches, and hydroponic cultivation systems.

Specializing in the production of greenhouse structures, professional benching systems, and high-efficiency hydroponic equipment, we have successfully custom-fabricated and implemented complete turnkey growing systems for numerous agricultural projects, commercial farms, and research institutions worldwide.

Since 2012, on the level and quality of agricultural technology manufacturing, now Henan Greenleafy has been committed to approaching global top standards, serving growers with integrity and expertise!



3-hole hydroponic tower



Introduction

Grow Indoors or Outdoors : The indoor herb garden uses hydroponics rather than traditional soil planting, so compared with outdoor potted plants, the top-down automatic water circulation timing watering method can make more full use of water resources, reduce the waste of water resources, so that plants can be nourished at all times and grow faster. **Easy and Healthy without Pesticides** : There is no need to worry about pests, diseases, weeds and other common problems in traditional gardening and farming.

Enrich Your Green Life : This vertical hydroponic growth kit is called indoor sky garden. You and your family can plant 30 different types of fruits and vegetables in this sky garden at the same time, such as virgin fruit, lettuce and all leaf vegetables, eggplant, strawberry, mint, pepper, cucumber, etc.



◆ Parameter

Product Name	3-hole hydroponic tower
Size	3hole per layer
Layer	Customized by your requests
Water tank	20L(40x40x20cm)
Material	Food grade ABS plastic
Color	White+Grey
Components	Water inlet accessories connecting waterpipes, top cover , powercord, base water tank
Usage	Lettue, strawberry, and other leafy vegetables
We can customize the equipment according to your requirements	



3000L

4-hole hydroponic tower



Introduction

Food Grade Material: Made of food-grade PVC-U, this hydroponic grow system produces high-quality plant that are more nutritious and better-tasting than soil-gardened produce.

Automatic: Planting It can be automatic strat work when you connect the water and power on. You will get a significantly higher yield that grows faster consistently

Advanced: So will it will saving about 90% water than the tradition planting way. Also this is soilless cultivation, Just need the water and plant nutrient solution, It can realize green planting without pollution.

Growing

- Tomatoes
- Strawberries
- Basil
- Cilantro
- Perilla
- Chili peppers
- Leafy lettuce

Product Name	4-hole hydroponic tower
Size	4holes per layer
Layer	Customized
Water pump	24V 10W
Color	White(tower body) + Green/black(water tank)
Materials	Food grade ABS Plastic
Components	planting cup, water tank, water pump and liquid supply pipeline
Usage	office, Home, Home, Balcony, Greenhouse
	We can customize the equipment according to your requirements

5-hole hydroponic tower



Introduction

Efficient and Space-Saving: Utilizes a vertical water-circulation cultivation system powered by a low-wattage pump—saving time, effort, water, and space. Requiring only water and nutrient solution, it offers a simple planting process and is easy to maintain.

Wide Planting Scope: Capable of accommodating a diverse range of plants—including flowers, vegetables, salad greens, herbs, fruits, and more—it transcends urban boundaries and offers simple, user-friendly operation.



◆ Structure Component

Name	5hole hydroponic tower
Size	5hole per layer
Layer	5/7/9/12layer, customized
Water Pump Power	18W
Material	Food grade ABS Plastic
Color	White +Green color
Components	Pump, cup, water tank, etc.
Growing method	Hydroponic growing
Style	Fixed, Rotating and other style
Logo	Support customization
Usage	Greenhouse, office, home etc.
MOQ	1set



Functional Use

Vertical tower farming offers numerous advantages for urban communities, including year-round production, reduced water usage, and minimal environmental impact. With indoor vertical farming systems, such as Aeroponics towers, urban farmers can control growing conditions like temperature, humidity, and light intensity, optimizing plant growth and ensuring a consistent supply of fresh vegetables and herbs regardless of seasonal fluctuations.

Features:

Customized service: stackable vertical tower, adjustable plant numbers by changing grow layers according to requirements with water Reservoir supporting.

It Can use outdoor, also indoor farming by special grow light with flexible lamp holder or round Circular aluminum alloy climbing frame.

The tower can Grow various of vegetables, such as Leafy greens, lettuce, mint, kale, watercress, parsley, iceberg, spinach, sweet

Production name	6holes hydroponic tower
Size	6holes per layer
Layers	5/7/9/10layers, can be customized
Material	Food grade ABS plastic
Color	White(tower body)+Black(water tank)
Water tank Volume	80/100L
Accessories	Water tank,wheel,Water pump,planting basket and sponge
Logo	Support customization
MOQ	1 set
Usage	Home, garden, greenhouse, office etc.

7-hole hydroponic tower

Introduction



Many specifications are available

With a vertical hydroponic tower, you can grow more than 45 kinds of vegetables in a small area. Very suitable for use in gardens, balconies, and farms. Vertical towers are not suitable for larger plants with heavier above-ground parts. Such as tomato, pepper, eggplant, and so on.

Features:

- *Indoor vertical farm hydroponic system
- *The height can be 9 level, 8 level, 6 level, each level can plant 7 pcs (leaf vegetables, berries, herbs, etc.)
- *Build your own urban farm at home and save space
- *Timers design for scientific irrigating and plants lighting
- *Inside with water tank, keep it beauty
- *Easy to install and transport

The planting column, through the nozzle device at the top, spray nutrient water directly to plant roots, so as to realize impact aerosol and maintain roots. The wetness of the part.



This circulating nozzle evenly supplies water to each planting basket.

The well-developed plant roots in the planting column

DC12V DC water pump

Structure

Product Name	7holes hydroponic tower
Size	7holes per layer
Layer	6/8/9layers or customized
Material	Food grade ABS Plastic
Color	White(tower body)+Black(water tank)
Diameter	30cm(towre body)
Components	Planting basket, wheel, water pump, timer, growing sponge
Usage	Farm, garden, office, home, greenhouse
We can customize the equipment according to your requirements	

Accessories include



Planting basket



wheel



pump



timer



sponge

8-hole hydroponic tower



Introduction

1. High space utilization efficiency

The hydroponic grow tower adopts a three-dimensional stacking design, allowing plants to grow upwards instead of horizontally spreading. Compared to traditional horizontal planting systems, the footprint can be reduced by up to 90%.

2. Resource consumption is more economical

The system adopts a closed-loop water circulation design, with nutrient solution recycling and water consumption only 5% –10% of traditional soil planting, achieving a water-saving rate of 90% –95%. Nutrients are directly transported to the roots of plants, resulting in higher absorption efficiency.

Growing

Strawberry

Lettuce

Basil

Chili pepper

Tomatoes

Product Name	8Holes hydroponic tower
Size	8holes per layer
Layer	6/8/10layer or customized
Weight	14/16/18kgs
Water tank	30/60/100L
Materials	Food grade ABS Plastic
Components	Planting basket, water pump, growing sponge, tower pipes, water tank
Usage	Office, home, garden, greenhouse, farm
We can customize the equipment according to your requirements	

Hanging hydroponic tower system

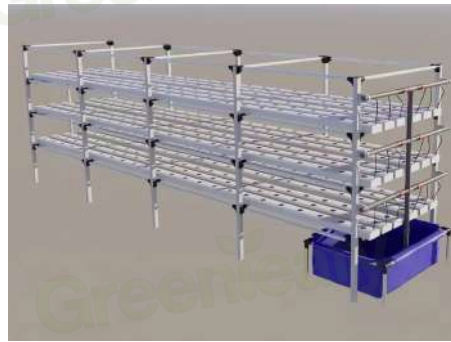


Introduction

1. Maximized Space Utilization : Vertical stacking design maximizes growing area in limited space, ideal for indoor/urban farming.
2. Exceptional Water Efficiency : Closed-loop recirculation saves up to 90% water vs. traditional soil farming.
3. Higher Yield & Faster Growth : Optimized nutrient delivery accelerates growth and boosts overall crop yield.
4. Low Labor & Maintenance : No tilling/weeding; automated systems minimize daily upkeep and labor costs.
5. Eco-Friendly & Sustainable : Low-waste, nutrient-recycling solution for modern, green agriculture.
6. Improved Plant Accessibility : Ergonomic vertical layout eases planting, maintenance, and harvesting.

◆ Structure

Product Name	Hanging style Hydroponic Tower
Size	Customized
Material	Food grade ABS Plastic
Color	White or customize
Moq	1set
Method	Sliding Method
Components	wheel,Water pump,planting basket and sponge, shelves
Usage	Home, garden, greenhouse, office etc.
We can customize the equipment according to your requirements	



Introduction

Horizontal type: Most commonly used design in NFT system. Sufficient sunlight, no directional restrictions for the metal rack, better air circulation, easy installation, low cost, easy to manage planting and picking. Especially suitable for hydroponics planting in large scale.

Growing

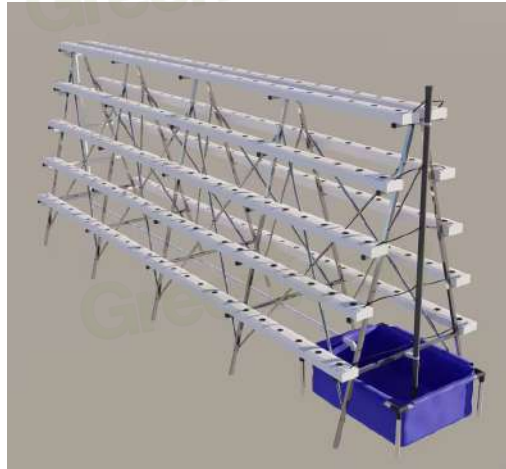
Leafy lettuce

Strawberry

Tomato

Cucumber

Product Name	Flat NFT hydroponic system
Style	Single layer or multi-layer
Length	2m/3m/4m/5m or customized
Thickness	1.8–2.0mm or customized
Tubes size	70x50/50x90/100x50/100x100/120x80mm or customized
Materials	PVC
Shape	Oval or square
Fittings	Net pot, sponge, end cap, connectors, fittings
We can customize the equipment according to your requirements	



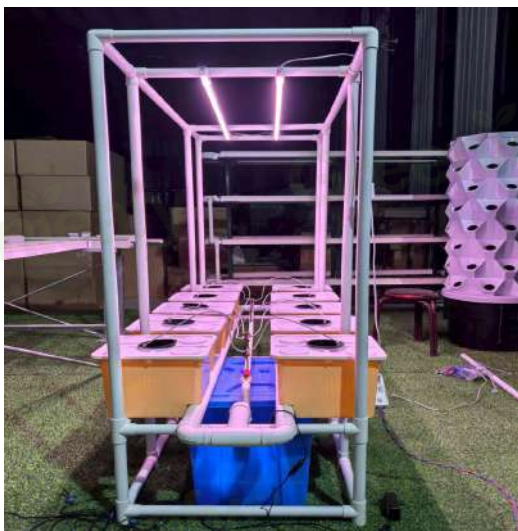
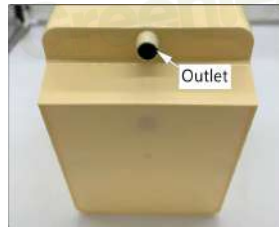
Functional Use

Nutrient Film Technique (NFT) Hydroponic system is one a hydroponic technique. The root system of the plant grows in plastic tube or fixed channel or planting basket, and the nutrient solution is continuously circulation provide the necessary nutrients and water to the plant through the channel. NFT hydroponic system is most commonly used for Planting quick growing plants like various of lettuce, leafy greens, vegetable , herbs , etc. It is quite popular with greenhouse and indoor farming. This system has character that you can make any height you like according to site.

"A"Type System:Popular design in NFT system with easy installation.We can make better use of the space to increase yield of thevegetables.Direction of the metal rack needs consideration for the sunshine.If indoor,we would suggest using LED grow light."A"type is suitable for small and medium size greenhouse.

Name	A type NFT Hydroponic system
Tube Type	Split channel(square tube),integrated channel(tube and lid seperate)
Lid Type	Removable lid and Fixed lid
Material	Food grade PVC
Length	2m/3m/4m/5m or customized
Thickness	1.8–2.0mm or customized
Tubes size	70x50/50x90/100x50/100x100/120x80mm or customized
Fittings	Net pot, sponge, end cap, connectors, fittings
Usage	Farm/factory/garden/greenhouse
Growing	Leafy vegetables, peppers, tomatoes, strawbeery etc.

Dutch Bucket System



Introduction

1. Used for planting flowers, vegetables, salad, herbs, fruits and so on;
2. The water circulation cultivation, saving 90% water compared with traditional planting;
3. Pollution free soilless cultivation, water and nutrient solution is necessary;
4. New type Easy to assemble, very clean, more stable ;
5. Multiple planting systems can be connected to achieve planting the most quantity in the same area.

◆ Parameter

Product Name	New Craft Multi-Function Alcohol Distillery
Dimension	30x25x23cm or customized
Volume	11L
Color	White/Black/Yellow
Material	Food grade PP
Weight	0.4kgs
Components	Cover, buckets, dutch bucket body, irrigation systems
Planting	Hydroponic planting, Soil planting, nutrient soil planting
We can customize the equipment according to your requirements	

Customer's feedback

Dutch Bucket System – Peru

Project: Premium tomato/pepper export to North America, Lima

Solution: Export of Dutch bucket hydroponic system with food-grade HDPE buckets (10L capacity), automated drip irrigation, recirculating nutrient tank, EC/pH remote monitoring, and UV sterilization. Shipped in containerized modules with Spanish-language documentation.

Result:

35% higher yield compared to soil cultivation, year-round production

70% water saving with closed-loop nutrient recirculation

Achieved Global G.A.P. certification, supplying premium US supermarket chains

