

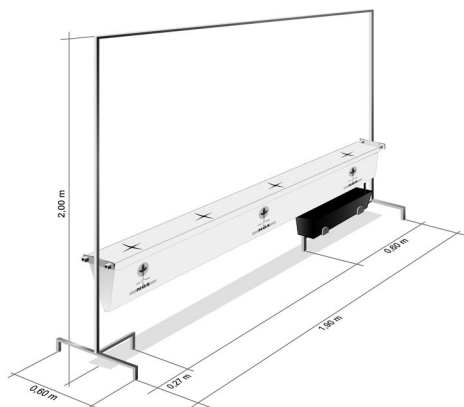
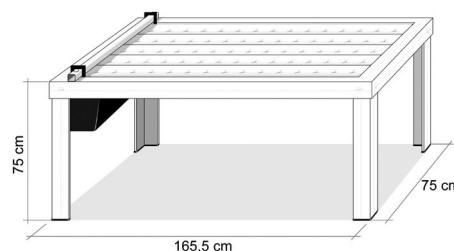
Introducing the Minicamp!

In 2009, Ron Eberly of American Clay Works & Supply Company, visited Almeria, Spain to observe one of the largest vegetable production ranges in Europe. While there the NGS Hydroponic Growing Table caught his eye.

We have since become the United States Distributor for the New Growing Systems Minicamp, Jardinera and bulk Multilayer Trough. The NGS Multilevel Trough system solves many of the problems of traditional NFT growing by allowing the plant root system to be immersed in film and aerated at multiple root levels. We are excited to offer this product to growers and retailers alike. Please contact American Clay Works for information regarding these products and also visit www.minicampusa.com, our retail website, to find out what we are so excited about!

The Minicamp is a table measuring 64.5" x 29" x 29.5" high. The NGS Multilayer Trough is spread in five rows offering 75 planting sites. It comes with a reservoir, timer, pump, fertilizer, jiffy pots and instructions. We recommend an 4 foot 8 bulb T5 light for this unit if it is used in a room without full natural light.

Minicamp Table NFT Unit - NGSMC



The Jardinera is a 5 site large strip of NGS System's larger multilayer trough. This unit is meant to grow and support larger and viney plants. A frame allows for hanging twine to support the growing plants. It comes with a pump, timer, reservoir, fertilizer, rock wool blocks and instructions. We recommend a 4 foot 4 bulb T5 light for this unit if it is used in a room without full natural light.

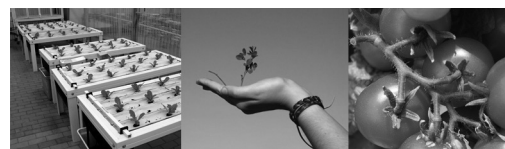
Jardinera NFT Unit - NGSJ

Equipment

NGS System's Multilayer Trough is available in 2 configurations. One meant to grow leafy plants like lettuce and also herbs, and another meant to grow larger viney crops like Tomatos. The Lettuce Trough is available in bulk rolls of 300 meters (984 feet) and the Tomato Trough is available in bulk rolls of 200 meters (656 feet). Support diagrams are available for onsite fabrication.

Lettuce Trough - NGSLT300

Tomatoe Trough - NGSTT200



MinicampUSA

TurboKlone

It's a fresh idea that's putting a new spin on cloning!

We were tired of fighting with high temperatures that were killing our roots. We needed a way to clone without having to use timers, chillers or other expensive accessories.

The Solution: TurboKlone!

A streamlined cloner that gives you more sites, keeps temperatures low and provides more oxygen.

The central technology behind TurboKlone is simple: A fan that offers a one-two punch!

1. The fan blows fresh air into the growing chamber
2. The cool air from the fan keeps temperatures low

The air from the fan mixes with the fine spray of water from the manifold, maximizing the concentration of dissolved oxygen. High levels of dissolved oxygen create ideal conditions for roots to flourish.

As the fan spreads cool air across the reservoir it combats any excess heat caused by the pump. In the past, growers were forced to either put their pumps on timers or risk killing their roots due to excess heat. But TurboKlone's technology lets you keep those pumps running all day long and your roots growing super strong.



48 Site TurboKlone. Optional Humidity Dome Available
TKT48
TKT48D (With Dome)



96 Site TurboKlone. Optional Humidity Dome Available
TKT96
TKT96D (With Dome)



144 Site TurboKlone. Optional Humidity Dome Available
TKT144

Equipment

Accessories Available:

T48 Dome Only - TKT48DO

T96 Dome Only - TKT96DO

Klone Collars (52 per bag) - TKTKC52

Replacement Spray Jets (pack of 12) - TKTSJ12



Hydrofarm T5 Compact Florescent Fixtures

Hydrofarm's new Designer T5 System delivers performance, flexibility and high lumen output in any growing environment. These daisy-chainable systems allow you to choose multiple hanging configurations to meet your garden's design. They combine German specular aluminum with energy-efficient/high-output T5 bulbs and put out double the light energy of normal fluorescent systems.

Code	Description
FLP22	T5 Premier 2 Foot 2 Tube with Bulbs
FLP24	T5 Premier 2 Foot 4 Tube with Bulbs
FLP28	T5 Premier 2 Foot 8 Tube with Bulbs
FLP44	T5 Premier 4 Foot 4 Tube with Bulbs
FLP46	T5 Premier 4 Foot 6 Tube with Bulbs
FLP48	T5 Premier 4 Foot 8 Tube with Bulbs

PL Light High Pressure Sodium Fixtures

Standard PL Light Hobby Light Features:

- Optional HPS/MH convertible
- 15' Cord detachable lamp cord
- Combination wall mount and carrying handle
- Durable steel body with ventilation openings for maximum cooling
- Standard 120V or 240V power cord
- Available in 120 and 240 volts
- Standard mounting hardware for lamp and reflector
- Optional air cooled reflector
- Five year replacement warranty on ballast kit
- One year warranty on lamps
- C.S.A. and UL approved

Choose the quality and expertise of P.L. Light Systems and give your plants their best chance to shine!

PLH1000 - 1000w HPS Light PLH400 - 400w HPS Light

Randall Tool & Manufacturing Versalite L Series Conveyor



The **VersaLite L Series conveyor** combines durability, portability and versatility all in one affordable package. It is a roller-bed belt conveyor, designed to handle medium to light loads (135lb per 16 ft section).

Features:

- Made from corrosion resistant materials:
aluminum frame, stainless steel pulleys and roller axles, UHMW rollers
- NEMA 4 watertight electrical enclosures and connections.
- One Master conveyor section can control up to 10 slave conveyor sections (up to 180 feet total)
 - Low cost per linear foot of conveyor.
 - Can be setup and taken-down quickly
 - Can be angled up to 20 degrees up or down at each connection
- Small diameter (1.25") pulleys allow for easy transfer of small items from one conveyor section to another.
 - One year Limited Warranty

Specifications:

- Input Voltage: 120VAC
- Minarik variable-speed, reversing DC motor control
- Motor: Leeson Gear motor 1/17HP 90VDC
- Load Capacity(per 16' conveyor): 150lb
- Bed Type: UHMW rollers spaced 9" apart
- Belt Width: 10"
- Belt Speed (variable): 0-50 feet per minute
- Weight
 - 55 lbs. (8 foot section)
 - 75 lbs. (16 foot section)
- Standard lengths: 8 ft and 16 ft (custom lengths are available.)

How it works: There are two different classes of conveyor: master and slave. The master conveyor is a complete conveyor by itself. It has its own motor and control and can be used as a stand-alone unit. The slave conveyor has its own motor but has no controller. It must be connected electrically to a master conveyor in order to run. Up to 10 slave sections may be controlled by a master for a total of 180'. (when using 16'4" sections)

Available in 16'4" and 8'4" sections standard(custom sizes are available). The VersaLite L Series is built to handle high moisture environments, so it can be used in the Greenhouse or even outdoors. All electrical connections are NEMA 4 rated waterproof sealed. The conveyor is built almost exclusively from corrosion-resistant materials. The conveyor frame is aluminum. The end pulleys and bed roller axles are stainless steel. The bed rollers are made of UHMW polyethylene. The only steel on the conveyor is in the fasteners and the double-sealed ball bearings.

The VersaLite L Series is easy to setup and move. First, set up your stands. (For 16'4" sections you will need three stands for the first section; two for each section after that.) Second, set your master conveyor at one end of your run. Third, set your slave sections on your stands while placing the tail end(the end opposite the motor) of each conveyor into the cradle bracket of the previous conveyor.(picture A) Fourth, using the quick connect DC connectors. (picture B) plug in the first slave to the master, and plug in each slave after that to the previous slave. Finally, plug in your master to 120VAC, switch on the control, and dial in your speed.