

The PIPP logo consists of four vertical bars of varying heights to the left of the word "PIPP" in a bold, sans-serif font. The background of the top half of the image is a green-to-yellow gradient with a faint image of a plant.

PIPP[®]

MOBILE STORAGE SYSTEMS INC

HORTICULTURE

pipphorticulture.com

The text "Cultivation Elevated" is written in a large, white, sans-serif font. A yellow L-shaped graphic element is positioned at the bottom left of the text. The background is a photograph of a multi-tiered white metal shelving system in a greenhouse, with plants growing on each level. The shelving units have "PIPP" logos on them. A black three-pronged bracket is attached to the side of each unit. A black and yellow cylindrical device is mounted on top of each unit. The background is a green-to-yellow gradient with a faint image of a plant.

Cultivation Elevated[™]

The logo for Urban Wellness New Mexico features a camera icon to the left of the text "Urban Wellness New Mexico".

 Urban Wellness New Mexico

The future of cannabis cultivation is maximizing space and efficiency with mobile vertical cultivation racks.

We take you there by taking you up.

As LED technology continues to improve and outperform traditional HPS lighting, single-tier facilities are giving way to multi-tiered rolling vertical farms. Why?

Vertical farming = greater output.
Reduction of operating costs.
Increases overall revenue per square foot by as much as 3x.

The question isn't if you should make the change.
It's who can best help you get the job done.



Pipp Horticulture is the leading provider of movable vertical racking systems that maximize cultivation space. Our systems are installed in several hundred indoor cultivation facilities across North America and Europe!

With 40 years of experience serving the nation's top retailers, we've engineered lower-cost solutions that can exponentially grow your production without adding an inch to your footprint. Double or triple your canopy by maximizing your cubic grow space with more efficient workflow.

Our mobile multi-level rack and tray system is the most cost-effective investment you can make.

- NSF Certified
- Efficient
- Easy to Clean
- Lightweight
- ADA & Seismic Compliant
- Sustainable
- Safe & Durable
- Includes Full Design & Installation Services

Not only can you produce more, you'll save more.

Our prices are lower than the industry standard. That's because of our decades of experience in the price-sensitive retail market, factory direct sales channel, and an efficient team of licensed installers.



SERVICES



Made in the USA. Factory Direct.

Based in Grand Rapids, Michigan, Pipp serves cannabis and traditional cultivators with the same expertise that forged its dominance in the retail industry.

You deal directly with us. We design specifically for you. No wasted resources. No mark-ups. You win.



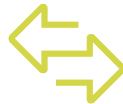
Marine Grade Aluminum

We build our carriages and track with non-corrosive high tensile aluminum extrusions and stainless steel rails to provide premium strength in a lightweight durable system.



Seismically Approved

California might bear the biggest risk for earthquakes, but natural disasters can strike anywhere. We mitigate that risk with ADA and seismic code compliance.



Mobile Flexibility

We do offer fixed racks, however nearly all of our customers enjoy the benefits of going mobile. Choose from our manual or mechanical-assisted systems to easily access all parts of your garden and enjoy a more efficient workflow.



Single Level Start

Many cultivators like the idea of starting out single level and evolving into multiple tiers. With the primary infrastructure in place, adding additional supports and trays are relatively easy with minimal down time.



James
Cunningham



FOG CITY FARMS

FOG CITY FARMS



Watsonville, CA

Case Study Problem Needed

greater

output per square footage

move

aisles for better workflow

grow

vertically to maximize space



Fog City Farms



Planning

Our team of in-house designers, engineers, and experienced cultivation experts designed a mobile cultivation system that integrated with the other components necessary for successful operation, like lighting, airflow, irrigation and drainage systems.



Solution

Pipp provided multi-level mobile racks that could triple the square footage available for cultivation.



Benefits


Achieved a more sustainable and environmentally conscious platform.

Higher yield with less overhead costs.

Increased efficiency and streamlined workflow.





 RedBud Roots



Pipp has been an absolute blessing, they're the most reliable, and have more than doubled our grow space.


Hunter Mishler, Director of Production Science | Redbud Roots



By transitioning to Pipp Horticulture's vertical farming, we maximize canopy space and more than double production per square foot while increasing efficiency and a streamlined workflow.

Tony Martinez, Cultivation Manager | Urban Wellness



 Urban Wellness New Mexico



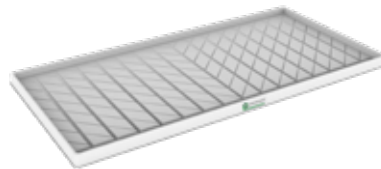
PRODUCTS



Mobile Carriages



Vertical Racks



Grow Trays



Mobile Carts

Mechanical-Assist Carriage

In-Track
Anti-Tip Track

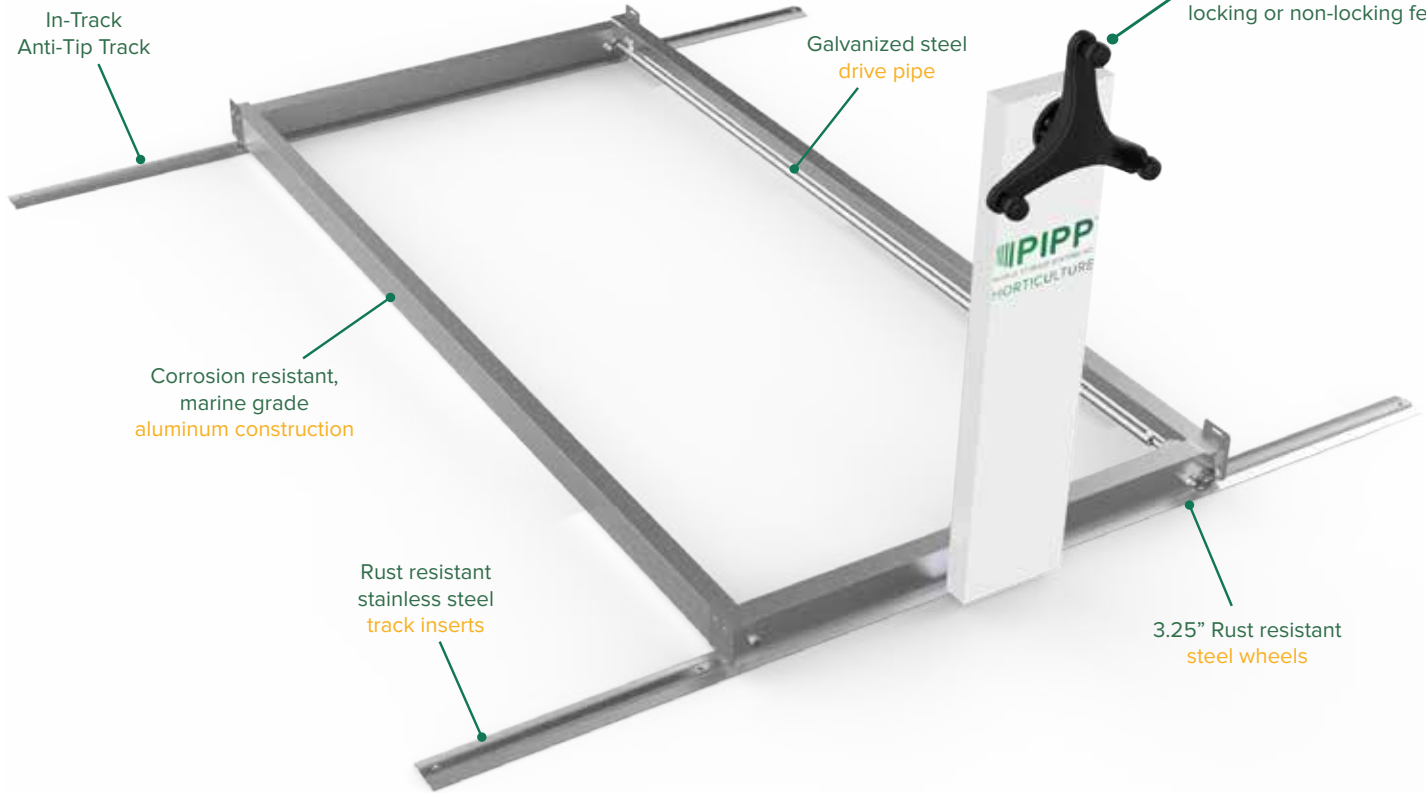
Galvanized steel
drive pipe

Corrosion resistant,
marine grade
aluminum construction

Rust resistant
stainless steel
track inserts

Three-Prong Handle is
available with either the
locking or non-locking feature

3.25" Rust resistant
steel wheels



TRAK-FREE™ Carriage



*Patent-Pending

Vertical Grow Rack

Racks available up to 23' high.
(Racks higher than 23' require engineering approval)

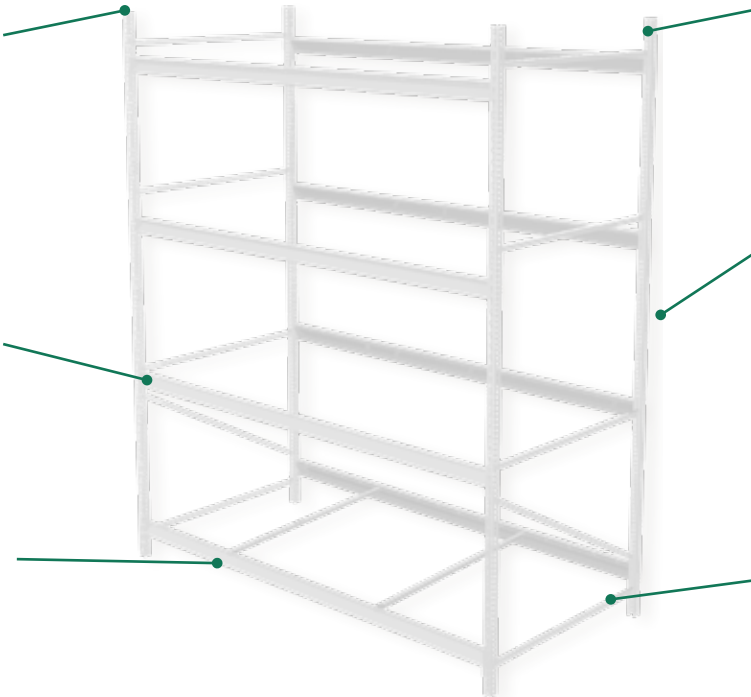
High capacity shelving
constructed from high strength steel

White Powder Coat is UV-stable
and contains anti-microbial
and fungal-resistant additives

Uprights can
support up to
17,000 lbs

Beams can
support 2,150 lbs

Supports accommodate a
wide variety of grow trays,
accessories, mounting
equipment for LED lights and
other utilities.



Grow Trays

*Patent Pending

Our patent-pending grow trays provide connection points for lights, air circulation, and plumbing. And they drain effortlessly with HDPE (high-density polyethylene) inserts that are fungal-resistant and anti-microbial.



ABS Combination Grow Trays

ABS Corrugated Grow Trays can be utilized for drip-to-drain or ebb & flow irrigation styles. Made from .187"/4.75mm thick plastic and durable ABS construction, these grow trays are thermoformed with a Korad cap to provide UV-stability, as well as anti-microbial and fungal-resistant properties. These trays sit level to provide plants with a flat growing surface, and they feature a network of sloped canals within the tray to ensure proper drainage away from plants to the drain location. Available in 8'x4', 8'x3', 4'x4', and 4'x3'.

Drip-to-Drain Grow Trays with Optional Inserts

Drip-to-Drain Trays are perfect for drip-to-drain irrigation vertical grow systems. They feature optional HDPE Inserts that are fungal-resistant and anti-microbial. They are available in: 8'x4', 8'x3', 4'x4', and 4'x3'.

**Made To Order, longer lead times will apply. Check with your sales person for details.*

Combination Grow Trays with Optional Inserts

These trays can be used for drip-to-drain irrigation or ebb and flow. They are combined with our Vertical Grow Racking and Mobile Carriages to provide the most efficient indoor grow space and are available in 8'x4', 8'x3', 4'x4', and 4'x3'.

**Made To Order, longer lead times will apply. Check with your sales person for details.*

Carts

Our high quality manufactured products don't stop at our vertical growing racks. Pipp cannabis drying racks are durable, space-saving and best of all, configurable. Mobile storage carts and drying racks for cannabis allow you to further maximize the space in your facility.



Drying Cart

The Drying Cart is designed to accommodate hanging plants in order to dry and cure them for further processing. It has adjustable cantilever-style finger attachments which allow you to configure the cart as needed.



Shelf Cart

The versatile Shelf Cart can be used for both general storage and transporting goods. The shelf levels are adjustable and additional shelves can easily be added to the cart to customize it to suit your needs.



Combo Cart

The multi-purpose Combo Cart combines our exclusive hanging attachment for drying out plants with adjustable shelves below for general storage and transport needs.



Wire Cart

These durable and highly functional carts are ideal for mobile storage requirements. The open wire construction minimizes dust/dirt accumulation and maximizes airflow as well visibility.

Nesting Drying Rack

The Nesting Drying Rack delivers ease of use, safety, and long life. Super heavy-duty construction combined with standard 5" swivel non-marring casters provides a 1,000 lb. total load capacity. Z-Base allows for nesting when not in use.



Nesting Drying Rack



(4) Drying Racks nested together



Optional Fold-Up Bottom Shelf



Optional Middle Hangrail

Lockers



Box Lockers



Double-Tier



Single-Tier

Solid Lockers are built to be durable with their heavy duty steel construction and high grade powder-coat finish. These versatile lockers are available in a variety of configuration options and colors. Several accessories are available.

Dry Room Mobile Storage

Hang Options:

- ▶ 14 gauge steel Rivet Style Shelving which is adjustable on 1-1/2" increments
- ▶ Rack configuration is fully customizable. Typical rack configuration is 24" wide x 16' high with 3 dry levels and 2 bars per level.

Hang Options:

- ▶ **Round Hang Bars** - hang full plants on our hang bar with simple hook attachment for faster trimming
- ▶ **Finger Bars** - easily hang plants from adjustable cantilever prongs without hooks or wires.
- ▶ **Grid Hang** - hang plants from any position directly on 4" x 4" wire grid spacing allowing for greater air circulation with built in Flue Space.



Secured Storage

- ▶ Robust pry-resistant Doors
- ▶ Fully welded closed tube frame
- ▶ Three point rod locking mechanism
- ▶ Easy visual inspection of product with 1.5" x 1.5" grid spacing
- ▶ Update security anytime with Interchangeable Cylinder Lock
- ▶ Secured in place with 3/8" Seismically approved concrete anchors
- ▶ Store any size product with adjustable shelf spacing on 1-1/2" increments



6'H Single Secured Storage Unit



10'H Double Secured Storage Unit



Details



Easily integrated with irrigation & drainage systems, lighting, airflow, and other elements necessary for operations.



Standard products in the stocking program ship within approximately 4 weeks.



Installation fully included with purchase and performed by Pipp's certified and licensed team.



NSF certified product solutions available.



No facility is too large or too small.



Low Cost. High Value.
Dependable and Trusted.

FAQs

How tall can the racks be?

Mechanical-Assist Cultivation Systems can be built up to 23' high and 56' long. Systems larger than this would require engineering approval.

What kind of track and rails are used? How are they installed?

Our unique track and rail system is marine grade aluminum and stainless steel. It is only ½" high and includes an anti-tip feature to comply with seismic codes. We level and anchor the rails into concrete floors for a high quality, safe installation that performs for decades.

How about irrigation and drainage?

Irrigation and drainage equipment is typically provided by the end user. Our systems can be designed to accommodate a wide range of applications

Can vertical grow racks tolerate the conditions of a grow room?

Yes. However, prolong exposure to excessive humidity levels (+55%RH) and direct contact with water can eventually cause corrosion and/or oxidation over time. These are merely cosmetic and do not compromise the strength and durability of the grow system. Routine cleaning and maintenance of the system is the best way to mitigate this risk and maximize the system's performance and longevity.

Leading Provider of Cannabis Cultivation Systems

**Grow More™ .
Call Pipp today!**



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www.greenhausinc.com



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[@pipphorticulture](https://www.instagram.com/pipphorticulture)

PIPP®

MOBILE STORAGE SYSTEMS INC.

HORTICULTURE



GREENHAUS™

INDUSTRIES

A DIVISION OF PIPP HORTICULTURE