

# Atrium 2.1

4-Layer Cloning & Vegging SmartFarm



**Commercial Propagation**  
Aeroponic Mass Cloning For Your Commercial Grow

## Aeroponic Growth

# Headstart Your Grow

Aeroponics creates the perfect root-forming environment that reduces stress by limiting the number of steps. Give your commercial grow operation a head start with strong, healthy, rooted clones.

**3000**  
Clones

Every Ten Days



Reduced  
Stress



## Your Clones, Your Way

# Keep It Pure

You've worked hard to keep your product pest-free and pesticide-free. Don't compromise that through your clones. Keep your grow operation pure, and your investment safe by guaranteeing your clone quality and supply.



Consistent  
Supply



Fast  
Turnaround



## All Automated

# You Are In Control

The **Guardian™ Grow Manager** software provides you remote access and control over all growth parameters. Manage the lighting, nutrient dosing, and much more all at your fingertips.



Lighting

**NPK**

Nutrients



Irrigation





## Scaled & Stacked

The **Atrium 2.1** SmartFarm delivers fast, safe, and reliable clones in **volume**. This stacked 4 layer automated grow system was created with modularity and high volume commercial cultivators in mind.

Generating 3000 healthy clones or 1500 robust vegging plants every 10 days, **Atrium 2.1** makes sure your entire growth facility is supplied and ready at all times.



### No Surprises

Immunize yourself from clone supply shocks. Want a specific strain? You get freedom to decide the how many on your own terms, not someone else's.



### Prevent Outbreaks

A careless supplier can ruin the integrity of your cleanroom by introducing clones infested with spidermites and aphids.



### Lowest Cost Supplier

By growing your own clones, you save on both money and grow time by eliminating the need for outside cloning suppliers.

## Never Buy Clones Again

### How Much Money Do You Spend Each Growth Cycle Buying Clones?

The **Atrium 2.1** makes you independent of outside cloning suppliers so that you can grow according to **your schedule, not someone else's**. Ever experience a time when your supplier was out of your strain? No more. Do you pay thousands of dollars every growth cycle for imperfect clones? No more. With **Atrium 2.1**, you grow how you want, **when you want**.

# The Cloning Process



## Clone

Simply place cuttings into foam plugs and let the AEtrium 2.1 do the rest.

## Veg

Veg clones to a desired height, or leave them in stand-by, ready for the next grow.

## Transfer

Transferring directly to the flowering stage reduces steps, stress, and overall turn-around time.

## Dimensions

### 24 Tubs and Automated Dosing Unit

**L:** 10' (3059mm) x **H:** 8' 9.5" (2679mm) x **W:** 5' 3.8" (1622mm)

**Square feet/meters:** 53.2' / 4.9m<sup>2</sup>

**Typical Power Usage:** 4200 watts

### 48 Tubs and ADU

**L:** 16' 7" (5050mm) x **H:** 8' 8" (2640mm) x **W:** 5' 3.5" (1612mm)

**Square feet/meters:** 88.2' / 8.2m<sup>2</sup>

**Typical Power Usage:** 6200 watts

### 72 Tubs and ADU

**L:** 23' 2" (7065mm) x **H:** 8' 8" (2640mm) x **W:** 5' 3.5" (1612mm)

**Square feet/meters:** 123.2' / 11.4m<sup>2</sup>

**Typical Power Usage:** 8200 watts

## Growth Trays:

23.9" **W** x 29.5" **L** x 7.9" **H** (608 x 750 x 200mm)

- 24, 48 or 72 x 63 count trays for 2" net cups  
- Planting density is user adjustable with caps to fill unused holes

**Aeroponic Spray system:** 12 x 12.5 degree emitters spraying upward

## Lights:

One 4-LED panel (full spectrum "white"), per grow tub  
PPFD greater than 200  $\mu\text{mol}/\text{m}^2/\text{s}$

Automated dimming via software

## Growth Area: 4 Layers

**Plant height:** adjustable from 9" (229mm) to 12" (305mm)

**Air Movement:** optional fans available to provide control of air movement for each level

Only From



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