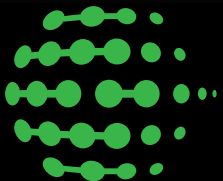
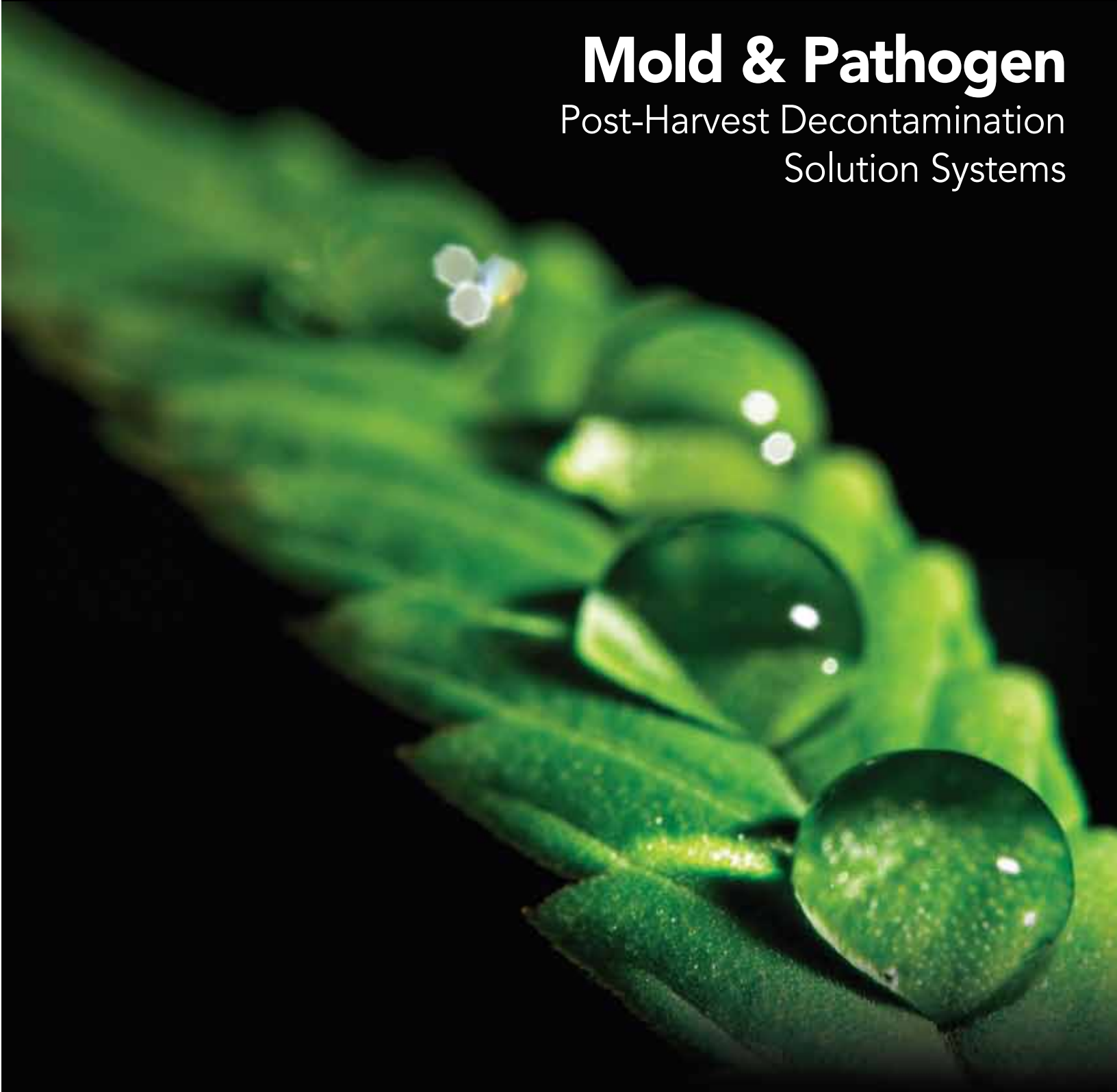


# Mold & Pathogen

Post-Harvest Decontamination  
Solution Systems



**KIMTRON**™  
Cannabis Remediation Division



# clean weed

## Why the Need for Remediation?

It's said that about 10-15% of all product fails due to microbial load, this is often the profit area for many companies.

Whether grown in indoor or outdoor environments, the cannabis plants' characteristics (closed buds produced in a humid environment) leave the plant susceptible to a host of microbial pathogens. The pathogens include molds and yeasts, some of which can be harmful to human health, especially by immunosuppressed individuals.

Microbiologists use the term "colony-forming unit" (CFU) to represent the number of pathogen cells present in a sample. Harvested cannabis having a high CFU count is the primary reason why growers fail regulatory compliance. Product that cannot be remediated (purified) must be destroyed or cooked-down into lower margin oils and edible products.



MOLD



BACTERIA



YEAST



ASPERGILLUS



E.COLI



SALMONELLA

## Why the Photon Purification™ Solution?

Currently there are several methods of cannabis microbial remediation including chemical washing, cold plasma exposure, RF bombardment, ozone saturation and H<sub>2</sub>O<sub>2</sub>. The trouble with these other technologies is in the inability to penetrate completely to the encapsulated deep sections of the flower leaving behind potential "cave dwellers" where pathogens can safely hide from treatment and quickly return soon after causing the potential for product to be pulled from shelf which can prove very costly. Many states are beginning to discover this truth and address it by enforcing "undetectable levels" on some pathogens. X-rays are the only technology currently that can move through all the biomass with ease and inactivate to an undetectable level. None have proven as effective as ionizing radiation (X-ray and Gamma) which has become the preferred method of remediation in Canada and several European countries.

We Have Over 30 years of Experience in the Business

# Photon Purification™

The Power to Penetrate Through and Through

- No “Cave Dwellers” hidden deep inside your flower are left behind for future re-growth. Process leaves no stones unturned.
- Through and through penetration without degradation to your flower.
- Safe and clean, chemical-free, heat free process
- Can bring CFU’s to undetectable levels
- Leaves your terpenes, THC, cannabinoids, look, and smell virtually unaltered, your flower is left unscathed.



## We Grow with You.

With our unique Modular Expansion Approach, users can start with our entry-level HiRad-6001 and later field-upgrade to a HiRad-6004, which is 4 times faster! No need to purchase new systems to keep up with your growing throughput needs. It's a no headache, space saving solution that can save you time and money.



**KIMTRON™**  
Cannabis Remediation Division

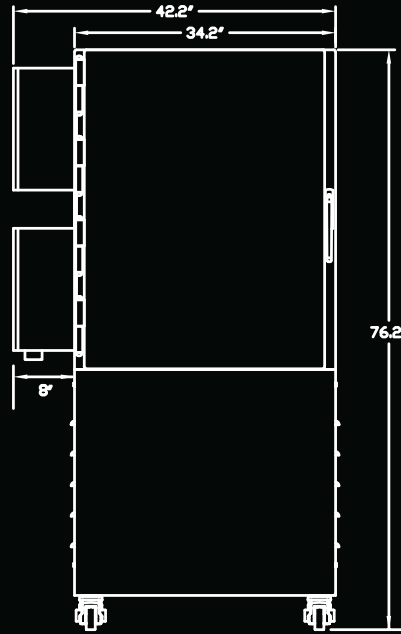


# Kimtron™ HiRad-6000 Series Photon Purification™ Systems

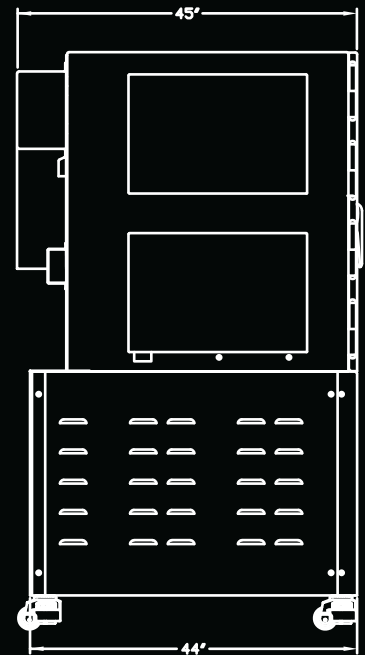
## Key Features:

- NO radioactive materials used - system is 100% recyclable
- Based on Kimtron's world-class robust, industrial-grade components
- 30+ year track record of excellence
- 100% duty-cycle capability
- Even distribution of energy through entire container of biomass
- 6kW of power
- Supported by Kimtron's cradle-to-grave service policy
- Fully self-contained cooling system (no need for factory supplied chilled water)
- 100% made in the USA by a US-owned company

Front view



Side view



## Specifications:

### HiRad 6001

<b>Cooling Media:</b>
Water to Air-Closed Loop (<72 degrees F, ambient)
<b>Electrical:</b>
Voltage: 208 VAC ±10%, 3- phase with grnd
Current: 40 amps (min.)
<b>Environmental Specifications:</b>
Operating temperature: +5°C to +32.5°C
Storage temperature: 0°C to +40°C
Air humidity: 20 – 80%
Noise Level: < 72 db @ 1 Meter
<b>Physical Moving Dimensions (Cabinet Only):</b>
Height*: 76.2" = 193.54cm
Width: 42.2" = 107.18cm
Depth: 45" = 114.3cm
Weight: 4,900 lbs. = 2222.60kg

\*with casters/wheels

### HiRad 6002

<b>Cooling Media:</b>
Water to Air-Closed Loop (<72 degrees F, ambient)
<b>Electrical:</b>
Voltage: 208 VAC ±10%, 3- phase with grnd
Current: 70 amps (min.)
<b>Environmental Specifications:</b>
Operating temperature: +5°C to +32.5°C
Storage temperature: 0°C to +40°C
Air humidity: 20 – 80%
Noise Level: < 72 db @ 1 Meter
<b>Physical Moving Dimensions (Cabinet Only):</b>
Height*: 76.2" = 193.54cm
Width: 42.2" = 107.18cm
Depth: 45" = 114.3cm
Weight: 5,500 lbs. = 2494.75kg

\*with casters/wheels

### HiRad 6003

<b>Cooling Media:</b>
Water to Air-Closed Loop (<72 degrees F, ambient)
<b>Electrical:</b>
Voltage: 208 VAC ±10%, 3- phase with grnd
Current: 80-100 amps (max.)
<b>Environmental Specifications:</b>
Operating temperature: +5°C to +32.5°C
Storage temperature: 0°C to +40°C
Air humidity: 20 – 80%
Noise Level: < 72 db @ 1 Meter
<b>Physical Moving Dimensions (Cabinet Only):</b>
Height*: 76.2" = 193.54cm
Width: 42.2" = 107.18cm
Depth: 45" = 114.3cm
Weight: 6,200 lbs. = 2812.27kg

\*with casters/wheels

### HiRad 6004

<b>Cooling Media:</b>
Water to Air-Closed Loop (<72 degrees F, ambient)
<b>Electrical:</b>
Voltage: 208 VAC ±10%, 3- phase with grnd
Current: 100-125 amps (max.)
<b>Environmental Specifications:</b>
Operating temperature: +5°C to +32.5°C
Storage temperature: 0°C to +40°C
Air humidity: 20 – 80%
Noise Level: < 72 db @ 1 Meter
<b>Physical Moving Dimensions (Cabinet Only):</b>
Height*: 76.2" = 193.54cm
Width: 42.2" = 107.18cm
Depth: 45" = 114.3cm
Weight: 6,750 lbs. = 3061.74kg

\*with casters/wheels