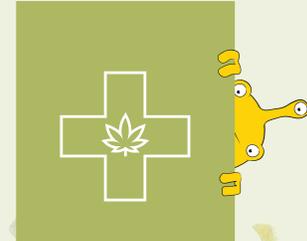


RS 420·Q+

Cannabis Decontamination System



Pass State Mandated Testing Levels With 99.9% Confidence

Introducing the new QUASTAR·2®: The Next Evolution

- Minimal-to-no Effect on Cannabinoids, Terpenes, Moisture, Taste and Visual Quality of your Product
- Highest "Onsite" Flower Penetration Power
- Up to 25 lbs. / cycle | Two 6-hour cycles per day
- Proven Effective Against Aspergillus
- 35% more Photonic Storm than original Quastar
- Superior Flower Integrity
- 5 Years of Testing and Study Results

Peace-of-Mind Microbial Decontamination™

Rest Assured, Test Assured™

The QUASTAR·2 X-ray platform is a third-generation dynamic tube technology with enhanced performance and reliability. Our Photonic Decontamination™ provides a 99.9% confidence level in the microbial inactivation of Mold, Powdery Mildew, Aspergillus, BTGN, Yeast, Salmonella, E. coli, Coliform as well as other challenging microbes.

For over 5 years, many independent lab and customer generated test results show that Rad Source's Photonic Decontamination technology is the world leader in on-site cannabis decontamination.

Technology Choices Matter, Choose Wisely™

Rad Source combines (2) innovative proprietary technologies, the Dosing Carousel and the QUASTAR·2 X-ray, for the industry's best microbial inactivation power, with unmatched penetration, strength and efficiency.



RS[®] 420·Q+ Decontamination System

Benefits

The NEW Rad Source RS 420·Q+ is powered by the QUASTAR·2 X-Ray Platform, the most powerful X-ray emitter available and totally different proprietary technology than the standard imaging X-ray used in biological irradiation. With QUASTAR·2 X-ray technology, the industry leading microbial decontamination technology is even better.

Superior Flower Integrity

Photonic Decontamination will not heat the flower and will not cause premature decarboxylation of THCA. Competing remediation technologies - chemical, low wavelength energy and other - can cause undesired changes in the overall integrity of the flower. Rad Source's light-based solution will leave your cannabinoids, terpenes, moisture, taste and visual quality of your product intact and connoisseur preferred.

The Dose Carousel - It's All About the Dose

Rad Source's unique and proprietary easy-loading Dosing Carousel technology, similar action to a Ferris wheel, stabilizes the loaded cannabis canisters around the QUASTAR·2 light source, providing unmatched dose uniformity, penetration and decontamination power without damaging trichomes or other physical characteristics of the product.

Most High-Quality Photons – Highest Flower Penetration

The QUASTAR·2 produces efficient short light wavelengths that assure 99.9% decontamination efficiency rate and the power to penetrate a tightly-packed flower to inactivate challenging microbes at their DNA level preventing reproduction.

Safety First Manufacturing

All Rad Source Photonic Decontamination systems are manufactured as cabinet systems and conform to the safety guidelines in 21 CFR1020.40.



*Model is 6ft for size reference

Processing Guidelines

Up to 25 lbs. / Cycle

- Standard: Two 6-hour cycles per day
- Boost: Two 5-hour cycles per day

(based on product density & 2000 Gy dose)

**results may vary based on the product bioburden load and strain*

Equipment Dimensions (W x D x H)

63 x 44 x 80" (160.02 x 111.76 x 203.2 cm)

Clearance Dimensions (W x D x H)

145 x 130 x 80" (368.3 x 330.2 x 203.2 cm)

Canister Dimensions

12 x 13" (30.48 x 33.02 cm)

Equipment Weight

Approx. 5200 lbs. (2358.68 Kg)

Power Requirements

220 VAC 3-phase 50/60Hz, 50 Amp, True Earth Ground

***External closed loop chiller required**

Microbial Reduction Across Multiple Dose Exposures

	Microbes - CFU/g			% Moisture		
	Pre-test	1800 Gy	2000 Gy	Pre-test	1800 Gy	2000 Gy
Total Viable Aerobic Bacteria	186,000	494	0	12.20%	12.38%	12.34%
Total Yeast and Mold	11,892	22	0	% THC		
Bile-Tolerant Gram Negative Bacteria	17,381	863	0	Pre-test	1800 Gy	2000 Gy
Total Coliforms	13,091	553	0	21.16%	23.04%	22.00%
				% Terpenes		
				Pre-test	1800 Gy	2000 Gy
				0.68%	0.78%	0.72%

Note: Details on this chart are kept in-house and are available upon request.



Rad Source is a global leader in developing X-ray solutions. Our equipment resides in major labs, healthcare institutions, and renowned universities around the world. Based in Buford, Georgia, USA Visit www.radsources.com or call us at 678-765-7900 to learn more.



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