

# APEX

MICROBIAL DISINFECTION



WHAT'S THE COST  
OF MOLD TO YOUR  
BUSINESS?



APEX is the cannabis industry's premier organic, non-ionizing, and cost-effective solution for yeast, mold, and pathogen reduction. Using the precision of Radio Frequency technology, APEX reduces total yeast and mold count (TYMC) to less than 10,000 cfu/g, preserving the sensory quality without the use of chemicals or ionizing radiation.

APEX is a certified organic process solution in Canada.

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**THE SOLUTION**

# HOW IT WORKS

Within a temperature-controlled process chamber, the RF treatment exposes the cannabis to an electromagnetic field generated between a set of electrodes inverting its polarity at 27.12 MHz frequency.

Pre-programmed process settings regulate the RF voltage between electrodes to achieve a targeted temperature that kills the pathogens. The efficient process treatment ensures uniform cannabis treatment at temperatures that will not alter its physical, chemical, functional or sensorial characteristics. Radio Frequency treatment of microbial pathogens is also safe and effective for other medicinal and leafy plants and herbs.





## BENEFITS

- Organic, chemical-free, non-irradiating, and non-ionizing
- Zero THC loss
- Proven to reduce TYMC to <10,000 cfu/g consistently in one cycle, with starting counts as high as 150,000 cfu/g.
- Moisture loss of <0.5%
- Treats 2-9 kg/batch; up to 45kg/hr (3-20 lbs/batch; up to 100 lbs/hr)
- 10-minute treatment time per batch
- Customizable process solutions for all grow environments
- Treats cannabis with <15% moisture



ENSURE TYMC  
ABATEMENT

PRESERVE POTENCY  
AND CANNABINOIDS

## WHO WE ARE

APEX is the result of a successful partnership established between STALAM S.p.A. – the world leader in Radio Frequency equipment – and ZIEL – a recognized leader in process solutions for food and cannabis.

### MANUFACTURER (EUROPE AND REST OF THE WORLD)

**STALAM**  
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