

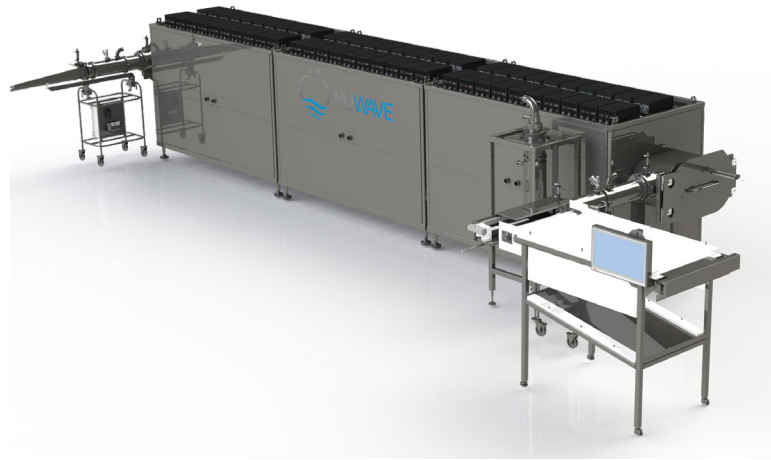
# KRAKEN 90

## NuWave's Patented Rapid Low Temperature Dehydration (RLTD)



### SPECIFICATIONS

<b>Dehydration Rate</b>	<b>1kW dries 1kg of water per hour</b>  <i>*Capacity varies depending on the density and moisture of the product. R&amp;D support available for product testing</i>
<b>Cycle Time</b>	<b>30-60 min</b>
<b>Number of Chambers</b>	<b>3</b>
<b>Number of Trays (Full Chamber)</b>	<b>60 trays</b>
<b>Process Type</b>	<b>Continuous operation capable of running 24/7 (1 min per tray loading cycle)</b>
<b>Automated Cleaning Process</b>	<b>Clean-in-place (CIP) system is activated by a push of a button and does not require disassembly</b>  <i>*CIP suggested before changing strains</i>
<b>Moisture Reduction</b>	<b>~80-90% wet to ~10% dry (~4% dry for extraction)</b>  <i>*Exact moisture level can be specified based on user preferences</i>
<b>Maximum Output (RF)</b>	<b>Nominally rated at 90kW (30 magnetrons @ 3kW each)</b>
<b>Electrical Power Requirements</b>	<b>2 outlets: 400V 3ph+N 180A per phase 480V 3ph 75A per phase</b>



### PROCESSING QUALITY

Low temperature **preserves nutrients, flavour, and colour**  
Rapid drying **prevents mold proliferation**  
Drying in a vacuum **results in virtually no oxidization**  
Dark conditions **eliminates degradation from light**

- RLTD gently removes moisture in as little as 30 minutes producing a product that is shelf-stable and ready for sale
- Preserves product integrity (e.g. nutrients, flavour, colour) using RLTD closed loop system
- Depending on the program being run, terpenes are either retained or collected in the water recovery system
- Intuitive computer control systems combined with 10,000's of sensor reading every minute, allows the machine to self-regulate and achieve uniform drying results without requiring technical staff on site
- Remote access troubleshooting services available
- Modular components for easy maintenance
- Data logins for compliance and diagnostics

### CONTACT US

#### CONTACT US TO GET STARTED

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## SYSTEM REQUIREMENTS

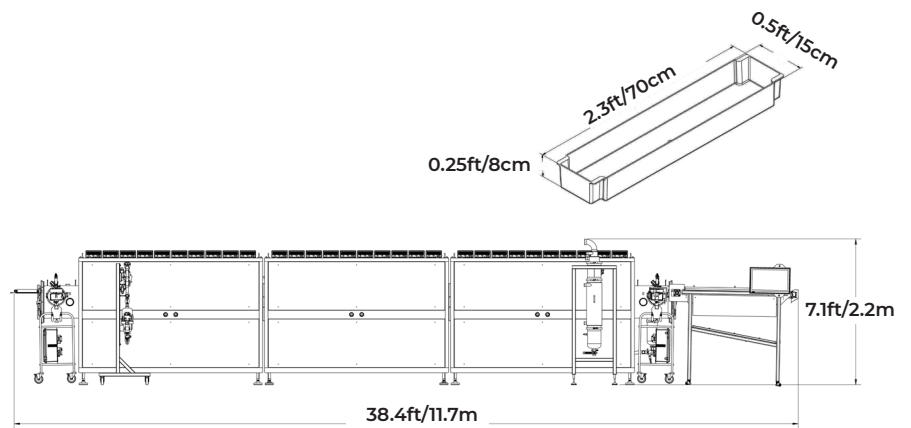
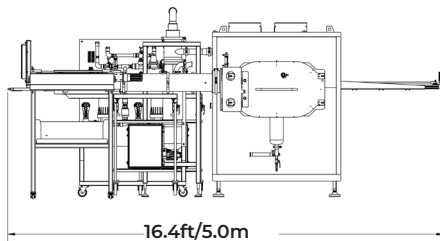
- Drainage: floor drain
- Relative humidity (environment): dry conditions required in the packaging room; users determine humidity level
- Heat exchange system (chiller): available from NuWave Research or can be customer supplied
- Internet connection: requires at least 1MBps
- Continuous monitoring by customer on-site via HMI

## CERTIFICATIONS & APPROVALS

- Health Canada approved chemicals for CIP
- Electrical safety approved to CSA standards by LabTest Certification Inc.
- EU-GMP compliant RLTD System (in progress)
- ISO 9001 certified quality management system (in progress)
- Sanitation SOP
- Pass/Fail swab test

## DIMENSIONS

Full system weight      6,863kg      15,130lb



## ROOM LAYOUT

