

TITAN

NuWave's Patented Rapid Low Temperature Dehydration (RLTD)



SPECIFICATIONS

Dehydration Rate 1kW dries 1kg of water per hour

**Capacity varies depending on the density and moisture of the product. R&D support available for product testing*

Cycle Time 30-60 min

Number of Chambers 4

Number of Trays (Full Chamber) 80 trays

Process Type Continuous operation capable of running 24/7 (1 min per tray loading cycle)

Automated Cleaning Process Clean-in-place (CIP) system is activated by a push of a button and does not require disassembly

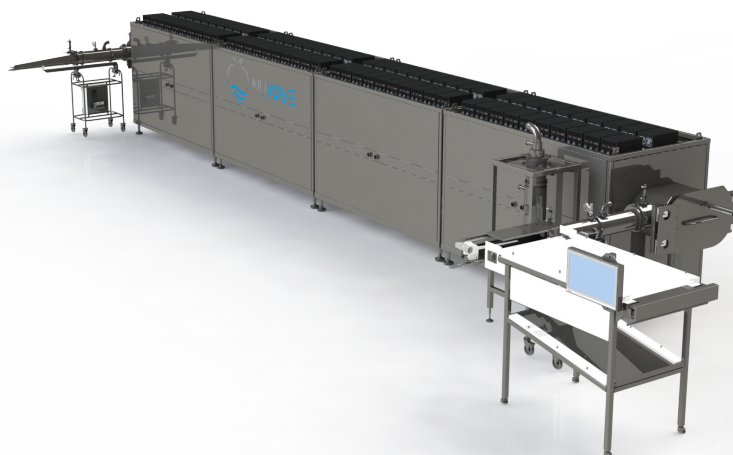
**CIP suggested before changing strains*

Moisture Reduction ~80-90% wet to ~10% dry (~4% dry for extraction)

**Exact moisture level can be specified based on user preferences*

Maximum Output (RF) Nominally rated at 120kW (40 magnetrons @ 3kW each)

Electrical Power Requirements 2 outlets: 400V 3ph+N 240A per phase 480V 3ph+N 100A per phase



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 logs for compliance and diagnostics

CONTACT US

CONTACT US TO GET STARTED

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SYSTEM REQUIREMENTS

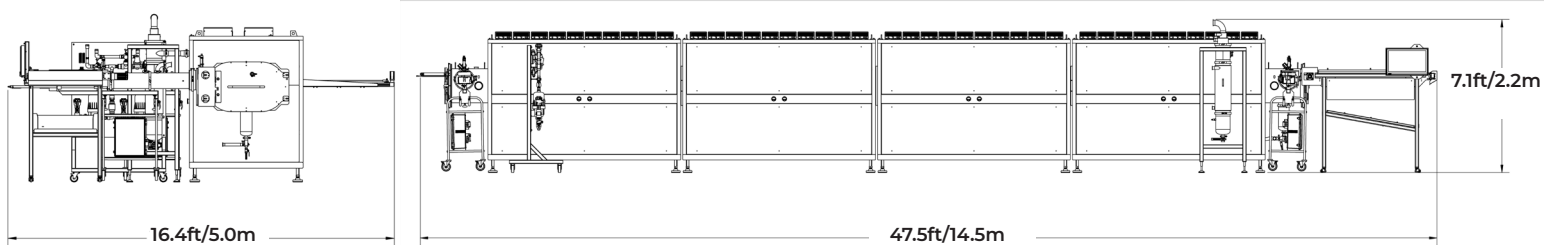
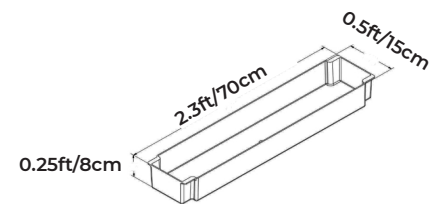
- Drainage: floor drain
- Relative humidity (environment): dry conditions required in the packaging room; users determine humidity level
- Heat exchange system (chiller): available from NuWave Research or can be customer supplied
- Internet connection: requires at least 1MBps
- Continuous monitoring 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 8,904kg 19,630lb



ROOM LAYOUT

