

FAQ For MuMaH?

1. Why use Microwave?

Microwaves are waves that vibrate the water molecules in any substrate. Unlike other heating systems microwaves only heat water molecules and not the substrate.

2. Are microwaves safe?

Microwave is very safe when emitted into a fully enclosed cavity with proper sealing. The wavelength of microwave is 12.3cm and at least a hole size $\frac{1}{4}$ of this value is required.

3. Where can we install the machine?

Can be installed in any location with proper airflow for cooling and sufficient space for moving all around the machine.

4. How to do maintenance on MuMaH?

The voltage and current required for the operation of MuMaH are high. Untrained personnel should not access the components inside the machine casing. If any faults are found in system, please contact the company for maintenance.

5. When is it safe to open the reaction chamber?

As soon as the power to magnetrons are disconnected, the presence of microwave in the reaction cavity goes down immediately. But please aware about trapped pockets of steam.

About Us

We are building up the most efficient industrial heating system. Using Microwave. We are in the path of displacing steam boilers, heating coils, hot oil baths. Our heating system is going to be in every Waste Management system, Agriculture industry, Food industry and Chemical reactors. We are building "MUMAH".

Contact Us

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Connect With Us



Pelican Thermogenics

Multiple Magnetron Heating System MuMaH

For Efficient Fast Drying



What is MuMaH?

MuMaH (patented technology) is a decentralized, modular, low-capacity multiple-magnetrons rapid dehydration equipment of Biodegradable waste, Vegetables, Fruits, Food, Seafood, Agri produce and value addition of byproducts.

It uses a vacuum dehydration method to improve rate of moisture removal from the material with microwaves. Vacuum reduces the boiling temperature and make water boil at 60-65C.

Technical Details



Connected Load:
5kWh



Input Material Load
45-50Kg (max)



Time Req:
5Hrs



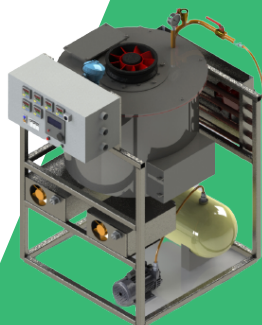
Floor Space:
20 Sq.Ft



Machine weight:
180KG



Plug and Play
System

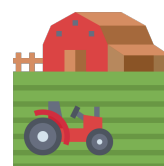


Who is MuMaH For?

MuMaH is targeting the following segments:

Waste Management

- Residential Complexes
- Commercial Establishments
- Markets-Vegs, Fruits, Fish etc.
- Food Processing Industries
- Slaughterhouses
- Agro Industries



Agri And Food Dehydration

- Farmer's Consortium
- Fishermen Community
- Seafood Processing
- Meat Processing Units
- Chips And Snacks Industries
- Ready To Eat Food Industries

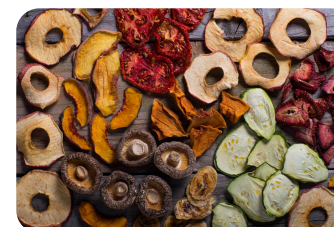


Sanitation And Disinfection

- Milk Pasteurisation
- Biomedical Waste Sterilisation
- Food Sterilisation Units
- Sanitisation Industries



Dehydrated Items



Vegetables



Fruits



Seafood



Bio Waste