



## MULTIPLE DRUM HEATING OVEN



Designed & Manufactured by:

**Celsun Ecoenergy & InfraTech Holdings Pvt. Ltd.**

157 B Wing, ORM Road, Royal Palms, Aarey Colony, Goregaon ( east), Mumbai – 400065. [www.celsun.in](http://www.celsun.in)

## CELSUN Drum & Tote Heating Ovens



**CELSUN** design & manufactures a full line of drum & tote heating ovens (Hot Boxes) that use electric, steam or thermal fluid, to heat materials to a maximum temperature of 300°F. Standard models accommodate (1) to (32) drums, or (1) to (8) totes. The purpose of heating the drums or totes is typically to either maintain or alter the molecular properties of the materials within.

**CELSUN** drum & tote heaters are used to preserve the properties of materials initially above ambient temperature. Materials (like some oils) that have a tendency to thicken at cooler temperatures are stored at elevated temperatures to maintain their thinner viscosity so that they can be more easily mixed or pumped. Materials (like honey) that tend to crystallize at cooler temperatures are stored to maintain their fluidity. Products (like paint) that will freeze in cold outdoor environments are stored in heating ovens long term to prevent freeze damage.

Drum hot boxes are also used to change the properties of materials initially in an ambient or below ambient temperature state. Products that are solid at room temperature (like wax) are heated and melted to liquid form.

Volatiles (like solvents) that become more volatile at elevated temperatures are heated for more rapid evaporation. Perishable food items (like orange juice) that have been frozen are heated so that the contents can be poured or dumped from the drum.

The elevated temperatures achieved within CELSUN drum heating ovens either maintain the properties or change the properties of the materials being heated.

- Control viscosity
- Melting
- Freeze Protection
- Increase evaporation

### Guide to select the best Model:

- Define your application
- Tell us required capacity of drums – 4 /8/12/16/20
- What is your Temperature requirement?
- Available Heating Medium. - Electric / Steam / Thermic Fluid / Other.
- Control options
- Area Classification



Please contact us for techno-commercial assistance:

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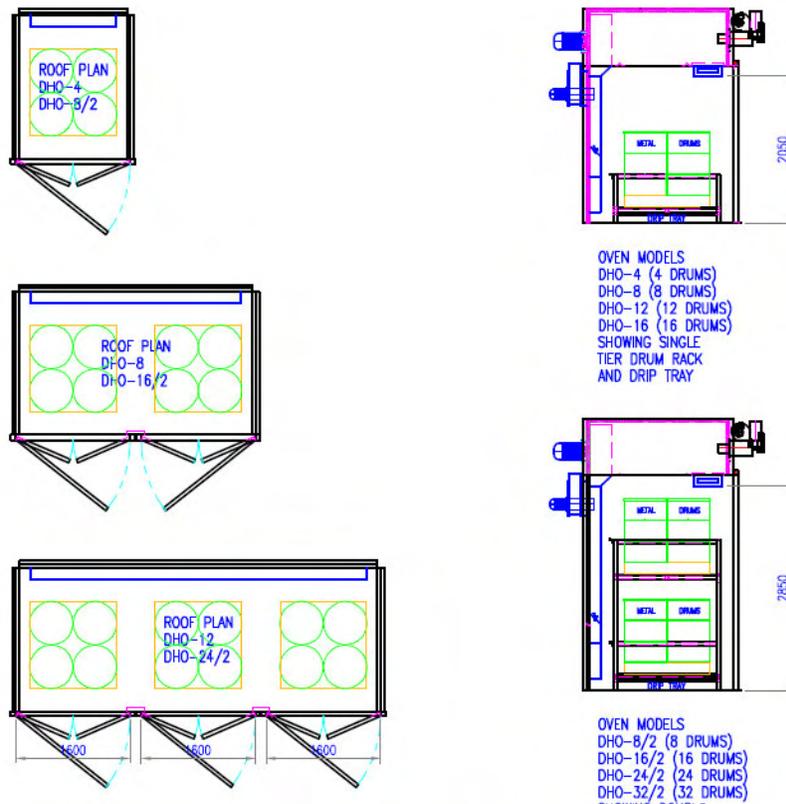
[www.celsun.in](http://www.celsun.in)

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## Special features of CELSUN Drum Heating Ovens

- Result of over 30 years experience in Industrial Thermal Engineering.
- Unique high efficiency Thermal design minimizes energy usage.
- Increased production due to rapid warming and uniform temperature distribution.
- Unique High Volume Low Pressure hot air circulation system.
- Celsun is channel partner of Pentair thermal, world's largest heat tracing company.
- Galvanized steel, Alu-dip or stainless steel (optional) construction.
- Designed for rapid heating of a wide variety of Steel and Plastic drums.
- Assembled, Test Run, Data Logged and certified before handover.



**Capacity:** 2 /4/8/12/16/20/32 Drums

**Insulation:** 100mm thick LRB

**Mode of heating:** Force Convection

**Heating Medium:** Electrical Heater / Steam (L.P.) / Hot Oil

**Temperature Range:** Room temperature to 200 C(Electrical)/ Hot Oil. & up to 120Deg for Steam.

**Finish:** Exterior finished with acrylic enamel / Interior finished with heat resistant silver Stainless steel

**Engineering:** Custom engineered. Contact us for more structural information / drawing.

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# REFERENCE CLIENTS

experience reliable Heating.



**Contact us:**

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