

## Labosys<sup>®</sup> Infrared drying ovens, INFRARED OVEN - remove moisture from a variety of materials

Labosys<sup>®</sup> [www.labosys.in](http://www.labosys.in) Infrared drying ovens are used to remove moisture from a variety of materials, including paints, adhesives, and food products. They can also be used to cure, preheat, and bake materials.

### Applications

- **Drying paints:** Infrared drying ovens can dry water-based and solvent-based paints on glass, automobiles, and other surfaces
- **Drying powder metals:** Infrared drying ovens can remove moisture from powder metal pressed parts
- **Drying food products:** Infrared drying ovens can dry food products like rice, potatoes, and mangoes
- **Drying pharmaceutical webs:** Infrared drying ovens can remove water from pharmaceutical webs
- **Drying coatings:** Infrared drying ovens can dry coatings on glass, steel tanks, and other surfaces
- **Drying nanomaterials:** Infrared drying ovens can be used to create nanomaterial-based biosensors and diagnostic devices

### How they work

- Infrared drying ovens use a light source to generate heat
- The heat is absorbed by the material, causing the bonds within the material's molecules to vibrate
- The vibrations increase in amplitude, and then return to normal when the material releases the energy as heat

Factors to consider The wavelength and intensity of the radiation, The chemical makeup of the material, The size of the part being dried, The production rate, and The thermal characteristics

### LUXLIGHTING TECHNOLOGY PRIVATE LIMITED.

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## Markets We Serve

Laboratory  
Pharmaceutical  
Biomedical

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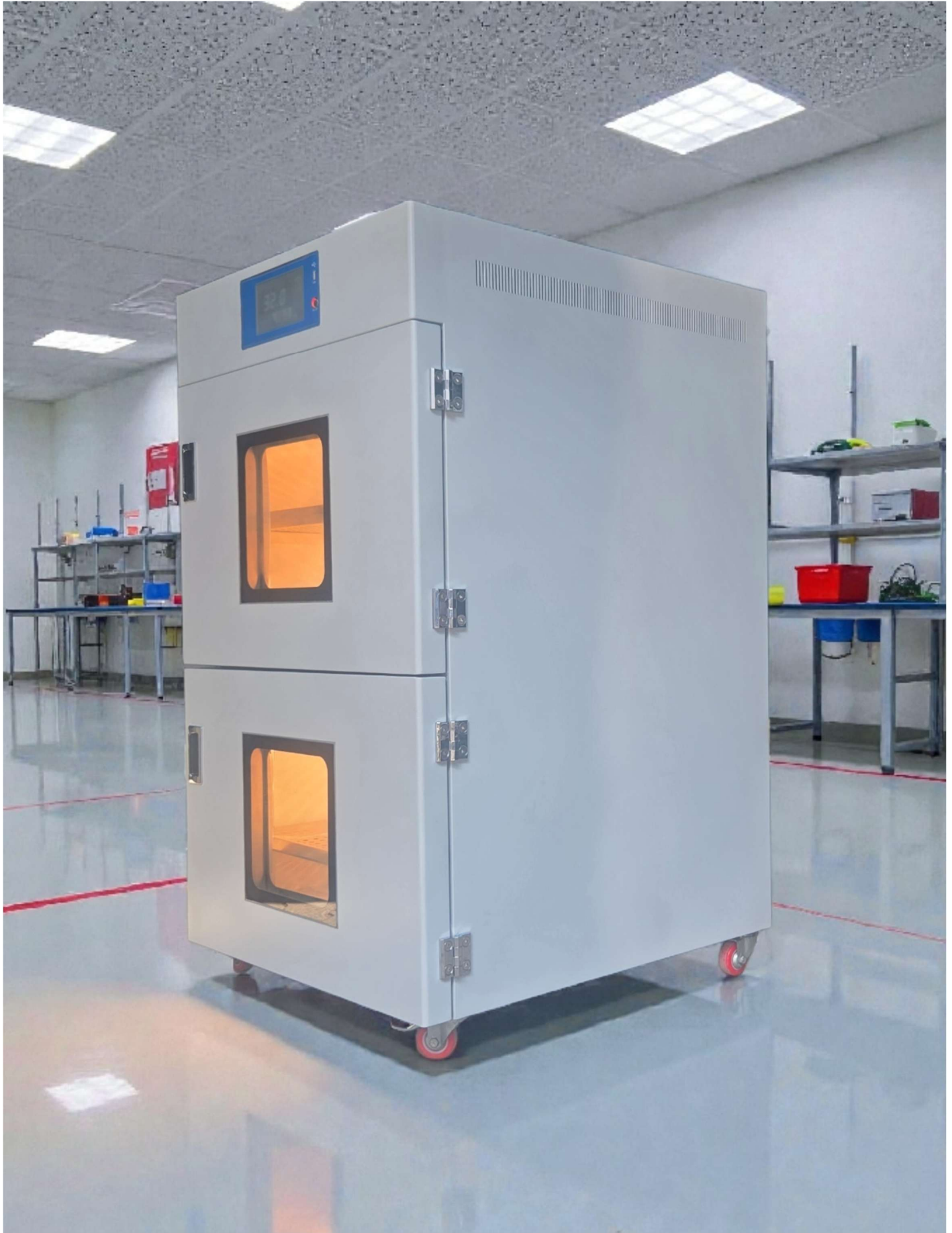


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