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UV Curing Oven



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Physical & Mechanical Properties

14 **Weight (kg):**

190 x 175 x 185 **Chamber Size D x W x H (mm):**

246 x 282 x 410 **Dimensions (mm):**

Optical Properties

365.00 **Wavelength (nm):**

0.25 Max **Irradiance (W/cm²):**

Hardware & Interface Connectivity

AC 100 - 305V **Power Requirement:**

Regulatory Compliance

[View](#) **Certificate of Conformance:**

Product Details

- Up to 250mW/cm² UV Irradiance
- 365nm Center Wavelength
- Digital Control of UV Intensity and Exposure Time

The UV Curing Oven is a compact 246 x 282 x 410mm UV LED curing chamber that can provide high intensity UV irradiance up to 250mW/cm² for fast curing. Featuring a digital controller, UV light intensity can be fixed between 10% and 99% with adjustable exposure times ranging from 1 second to 100 minutes. UV reflective panels in the curing chamber provide homogeneity greater than 85% on the irradiated surface for reliable and repeatable UV emission. The UV Curing Oven is ideal for a wide range of bonding, curing, drying, hardening, and photolithography applications. A UV protection system between the lamp and the door avoids unwanted UV exposure by shutting off the UV illumination if the door is open.

FAQ(s)

🔍 Is the UV curing oven safe to operate?

Yes. It features a door interlock system, 99.9% UV-blocking viewing window, and auto shut-off to prevent accidental UV exposure.

🔍 What are common applications of UV curing ovens?

Typical uses include bonding, drying, hardening, photolithography, and curing specialty inks, adhesives, and coatings in research and industrial settings.

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