Nitrogen Purgeable UV LED Chamber

USER MANUAL

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Equipment Features

1. The equipment has nitrogen mode and non-nitrogen mode.

    Non-nitrogen mode: Automatic or manual mode is optional. In automatic mode, the UVLED switch is controlled by the access sensor; in manual mode, the UVLED switch is controlled by the touch screen.

    Nitrogen mode: After closing the door, click the start button to start filling with nitrogen. When the filling time and inner chamber barometric pressure reach the set value, the UVLED starts to irradiation and time. After the irradiation time is up, the UVLED automatically turns off and the exhaust valve opens until the exhaust is completed. The safety door can be opened.

2. The equipment supports a nitrogen filling interface, with adjustable nitrogen filling time and pressure, real-time detection of barometric pressure in the cavity and over-pressure protection.

3. The equipment has functions such as digital dimming, production counting, historical data query, etc.

UV LED Curing Lamp Features

- **High Efficiency and Energy Saving**

UV LED has a concentrated output band, high photoelectric conversion rate, 70% energy saving, fast curing speed and high production efficiency.

- **Wide Range of Applications**

UVLED is a cold light source, low infrared heat radiation, will not cause work thermal stress and deformation, suitable for all kinds of heat-sensitive materials curing.

- **Long Life Cycle**

UV LED has a long service life and reduces equipment investment costs. It switches on and off instantly, no need to warm up, the number of switches does not affect the service life.
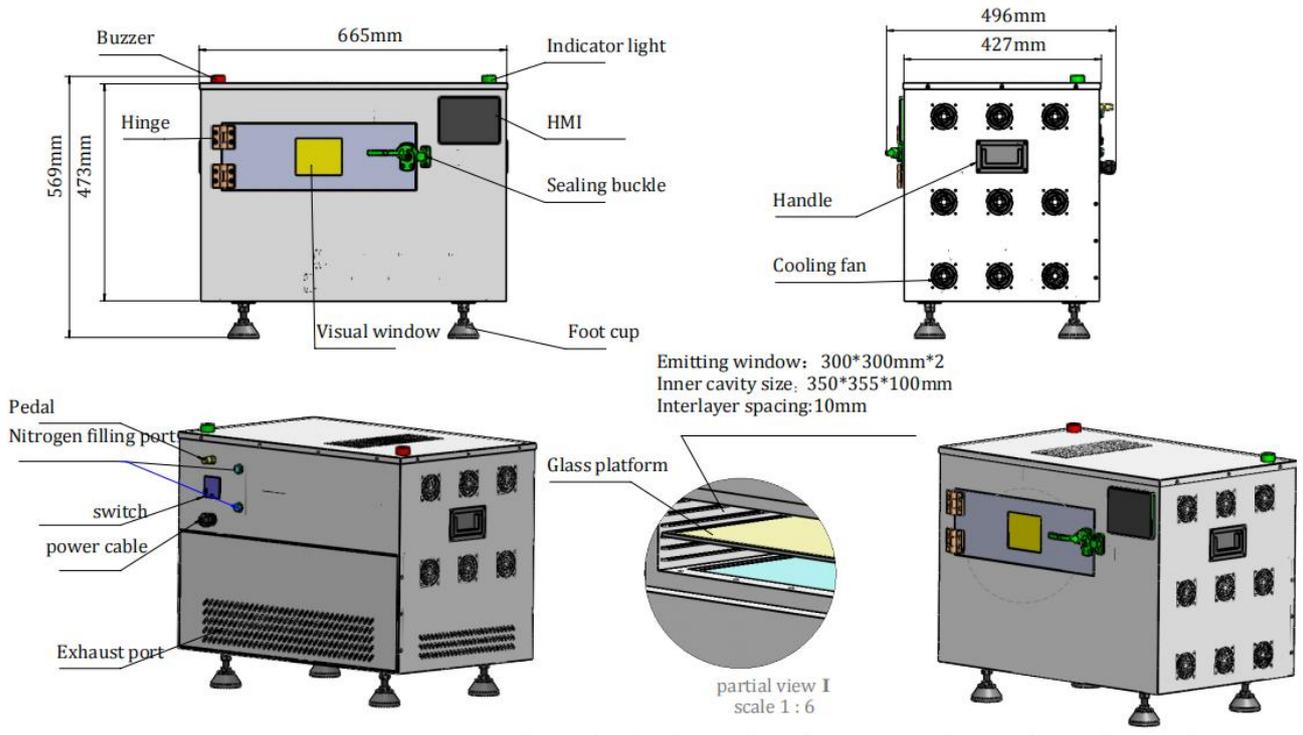
- **Eco-friendly**

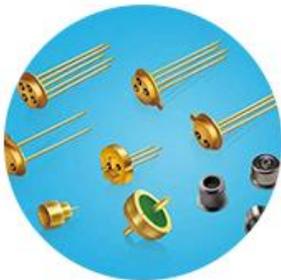RoHS compliant and mercury free.

System Related Parameters

1. System components and technical parameters

Specifications	
Dimensions	L665mm*W427mm*H569mm
Inner cavity size	L350mm*W355mm*H100mm
Emitting window	300mm*300mm*2
Wavelength	365nm
Optical power density	0.5W/cm^2 (10mm irradiation distance)
Lamp life	≥20000H
Cooling method	Fan cooling
Control method	PLC control
Parameter settings	Touch screen operation
Other functions	Support nitrogen filling function
Air pressure	≤3Kpa
Power adjustment	Digital dimming (1-100%)
Voltage	AC220V 50HZ
Power consumption	2.2KW
Net weight	55KG
Ambient temperature and humidity	Ambient temperature: -10℃-50℃ Relative humidity: 25%-80%RH
Free Warranty	1 year

2. Dimensions

Buzzer · Indicator light · Hinge · HMI · Sealing buckle · Visual window · Foot cup · 665mm · 569mm · 473mm · 496mm · 427mm · Handle · Cooling fan

Pedal · Nitrogen filling port · switch · power cable · Exhaust port

Emitting window: 300*300mm*2
Inner cavity size: 350*355*100mm
Interlayer spacing: 10mm

Glass platform

partial view **I**
scale 1 : 6

Applications

Optical Communication **PCB/PCBA** **Medical Consumables** **Data Cable**
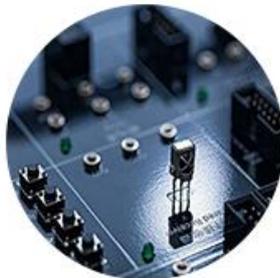
Touch Screens **Microelectronics** **Camera** **Electroacoustics**

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