



CoolWave® 306 System

Flexible, durable, microwave-powered UV lamp head design

Now there's a microwave-powered ultraviolet (UV) curing system that will meet your most demanding production requirements. As one of the most advanced and reliable lamps available on the market today, the **Nordson CoolWave® 306 System** has greater application flexibility and is more durable than anything else available in the marketplace. It reduces damaging infrared energy, provides a more geometrically accurate field of focus, and requires far less maintenance than all other systems. CoolWave 306 systems are available in 6-inch widths and are rated at 300 watts per inch (120 w/cm).

The systems can be configured to meet any production requirements. A modular design allows multiple lamps to be placed side by side for wider curing applications. The power supplies can be stacked or placed in an optional power supply stand. All CoolWave 306 systems provide virtually instant start-up for excellent productivity. The CoolWave 306 lamp head is available with either an internal or external cooling blower. For maximum design flexibility, the external blower models can be ordered with either top or side air inlets.

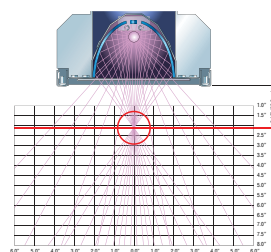
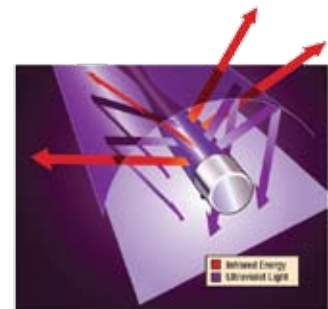


CW-306 LAMPHEAD

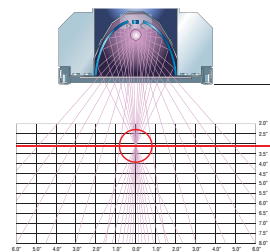
No Internal Gasketing - The design has eliminated the maintenance intensive internal gasketing in the microwave cavity. This reduces your operational and maintenance costs, as well as expensive downtime related to internal arcing.

Cooler Operation - The dichroic-coated reflector does not reflect all of the heat-generating infrared light waves back to the substrate. The result is precisely focused UV light where you need it without the damaging infrared energy that is inherent to non-dichroic coated metal reflectors.

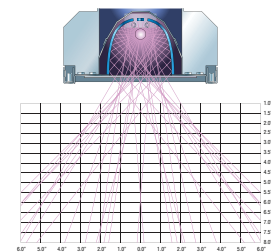
Durable glass reflectors - Rather than use conventional polished metal reflectors, the CoolWave® uses a proprietary reflector, that is constructed of temperature-stable glass with an engineered dichroic coating as a standard feature. The use of glass reflectors allowed Nordson the design flexibility to offer multiple reflector sets for the CoolWave. **Every reflector comes with the industry's first five-year warranty against workmanship and reflectivity.**



2.1 Focus Reflector



3.1 Focus Reflector

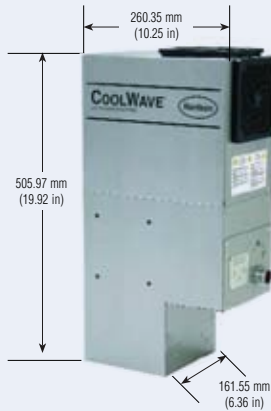


Flood Reflector

Internal Blower Option - With the optional internal blower there is no need for any external/remote cooling blowers. This self-contained lamphead simplifies installation and control.

TECHNICAL SPECIFICATIONS

For reference only, please consult the product manual for more detailed information.



LAMPHEAD CW-306 I (Internal blower)

Power: Maximum 300 wpi (120 w/cm), 1800 watts total

Cure Width: 6 in. (152 mm)

Length: 10.25 in. (260.35 mm)

Width: 6.36 in. (161.55 mm)

Height: 19.92 in. (505.97 mm)

Weight: 32 lbs (14.5 kg)

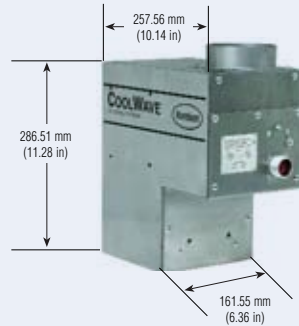
Reflector Geometry: Focused or Flood

Mounting Position:

Can be operated in any position

Cooling Requirement:

225 CFM of filtered air @ 2.5" water gauge
(6.36 m³/min of filtered air @ .62 kPa)



LAMPHEAD CW-306 T (External blower, Top inlet)

Power: Maximum 300 wpi (120 w/cm), 1800 watts total

Cure Width: 6 in. (152 mm)

Length: 10.14 in. (257.56 mm)

Width: 6.36 in. (161.55 mm)

Height: 11.28 in. (286.51 mm)

Weight: 19 lbs (8.62 kg)

Reflector Geometry: Focused or Flood

Mounting Position:

Can be operated in any position

Cooling Requirement:

225 CFM of filtered air @ 2.5" water gauge
(6.36 m³/min of filtered air @ .62 kPa)



LAMPHEAD CW-306 S (External blower, Side inlet)

Power: Maximum 300 wpi (120 w/cm), 1800 watts total

Cure Width: 6 in. (152 mm)

Length: 10.25 in. (260.35 mm)

Width: 6.5 in. (165.10 mm)

Height: 10.8 in. (274.32 mm)

Weight: 19 lbs (8.62 kg)

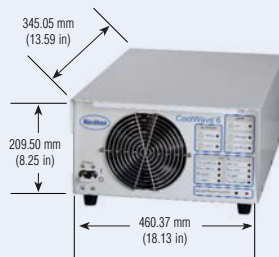
Reflector Geometry: Focused or Flood

Mounting Position:

Can be operated in any position

Cooling Requirement:

225 CFM of filtered air @ 2.5" water gauge
(6.36 m³/min of filtered air @ .62 kPa)



POWER SUPPLY MPS-306F

Length: 13.59 in. (345.05 mm)

Width: 18.13 in. (460.37 mm)

Height: 8.25 in. (209.5 mm)

Weight: 138 lbs (62 kg)

Power Connection:

200/210/240 Vac, 1 phase, 50/60 Hz

Connections:

12-foot cables are standard (25, 50, 75, 100 ft. optional)

NORDSON POWER SUPPLY FEATURES

Nordson's MPS-306 power supply is a reliable, feature-packed system that meets your most demanding production requirements. Every power supply features:

- Remote I/O as a standard feature
- Easy operator interface
- Electrical noise filtration
- Clean efficient design for reduced costly downtime
- CE approvals
- Enhanced diagnostics
- Network capability is standard

Nordson reserves the right to make design changes to products to improve their function. These changes may occur between printings.

CE (EU) ISO 9001

For more information, talk with your Nordson representative or contact your Nordson regional headquarters office.

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