

CoolWave[®] 2 UV Rim Cure System

Fast, efficient UV curing system for wear resistant, zero VOC bottom rim coating to improve mobility and guard against can jams, for greater throughput.

Features and Benefits

- Arc-free design
- Multi-focal lengths
- Lower IR energy output
- Higher UV energy
- Stainless steel construction
- Cooler UV operation with more geometrically accurate field of focus
- Retrofit or rack-packaged solution
- Fast, low energy cure
- More durable, reliable UV lampheads
- Rack-mount design for easy operator control

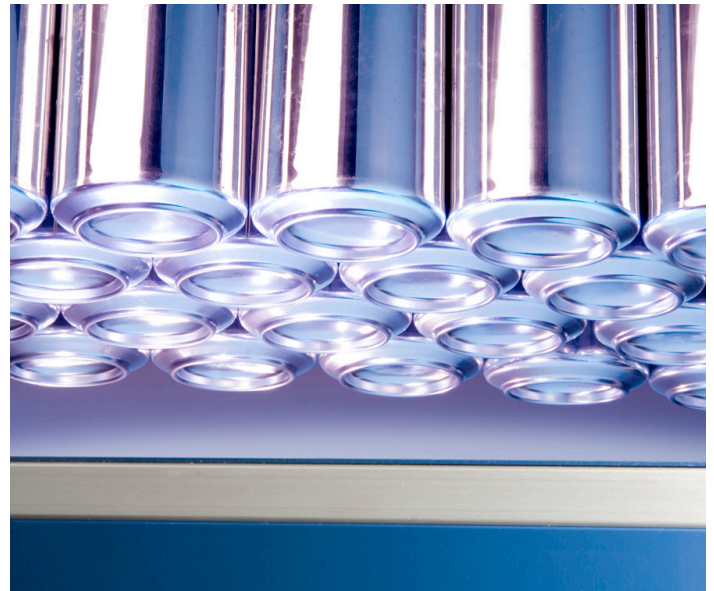
Can makers apply a rim coating to the bottom rim of two-piece D&I cans to greatly increase the mobility of the cans during production. This results in fewer can jams and significantly increased productivity.

Rim cure coating is typically applied immediately to all the cans as they exit the washer, and are transported on a wide vacuum conveyor belt, with can bottoms down. The cans are then conveyed over a single wide roller, where the rim coating is applied as the cans move directly over the UV curing station.

Designed for two-piece can manufacturing, the Nordson CoolWave[®] 2 UV Rim Cure System features the most advanced and reliable microwave-powered UV systems on the market today – the CoolWave 2 610 UV lamp systems – for greater productivity with less VOCs.

Nordson CoolWave[®] 2 UV Rim Cure System

CoolWave 2 610 UV lamp systems are more durable and reliable than other microwave-powered UV systems. Requiring far less maintenance, the CoolWave 2 610 UV systems operate cooler, and with a more geometrically accurate field of focus. CoolWave 2 bulbs provide more than two times the service life of electrode bulbs, and are guaranteed for up to 8,000 hours of operation, depending on bulb type.



No Internal Gasketing

The CoolWave 2 reflectors are made from non-conductive, heat-resistant silica-borate glass, which requires no gasketing as with metallic reflectors.

Nordson's lamphead design has eliminated the maintenance intensive internal gasketing in the microwave cavity. This reduces your operating and maintenance costs, as well as expensive downtime related to internal arcing for better performance.

A Clear Difference in Reflector Technology

Rather than using conventional polished metal reflectors, the Nordson CoolWave 2 system uses a proprietary reflector material, consisting of dichroic-coated temperature-stable glass that offers several important benefits for better results.

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.



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Higher Intensity

The glass reflector materials are more heat stable than present metal designs for a more geometrically accurate field of focus. In addition, the materials are harder and more scratch-resistant than metal for ease of cleaning and longer service life. Every CoolWave 2 610 reflector comes with a five-year warranty.

More Design Flexibility

The use of durable non-metallic reflectors allows Nordson the design flexibility to offer a choice of reflector sets for the CoolWave 2 610 system. There are two focused reflector designs available, a 2.1" and a 3.1" reflector set. With the 3.1" reflector, lamps are positioned farther away from the cans, resulting in less interference and fewer knockdowns than a shorter focal length lamp.

Robust, Reliable Power Supplies

The Nordson CoolWave 2 lamp system utilizes a robust, reliable power supply with the ability to switch between power levels 20% to 100% in 1% increments. CoolWave 2 power supplies also feature:

- Remote I/O
- Electrical noise filtration
- Easy operator interface
- CE compliant
- Remote customer interface
- Simple, efficient design for significant reduction of downtime and maintenance
- Digital display for ease of use
- PLC interface to monitor system status, fault alert and history, and runtime history
- Cooling pressure display

System-engineer Control Cabinet

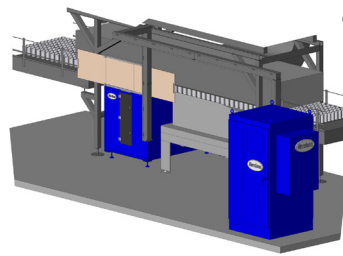
All controls are available as an engineered system design to control key functions of the UV Rim coating and curing application. Power supplies slide into an air-conditioned cabinet for easy-access, space savings, and efficient installation. The power supply controls provide fully-integrated operation and monitoring of the lamps, complete power selection, and necessary safety interlocking.



Robust, durable air-conditioned control cabinet
(optional PLC operator interface is available).

CoolWave 2 UV Rim Cure System – Better by Design

CoolWave 2 lamps are mounted inside a prefabricated enclosure with necessary safety features, including system interlocks. The lamps connect to an air plenum that supplies cooling air to each lamphead. A sliding rail permits easy access to each lamp independently for fast, easy maintenance. Quartz plates protect the lamps from fallen cans and dirt, dust and debris. When no cans are being fed to the system, the lamps are switched OFF. When



cans are fed, the lamps are switched ON to the selected power level.

Nordson UV Curing System as part of a complete rim varnish application and curing system.

Container Systems' Best Practices Pledge

At Nordson, our technology, equipment and expertise work together to offer the best solutions to our customers for their applications. This may result in better quality, improved manufacturing efficiency, less downtime, reduced coating material consumption, faster line speeds, or combinations of these and other factors that enable manufacturers to produce a better product at a lower cost. We work with our customers to improve their spray and manufacturing processes overall. It is with this continuous focus on Best Practices, that we partner with customers to find successful solutions for improved quality and productivity.

Nordson Package of Values[®]

Our exclusive Package of Values backs every Nordson product and system in every region and locale. The Nordson Package of Values includes: production testing, system engineering, installation assistance, customer service and operator training. The combination of these features provides added value that is unmatched in the container manufacturing industry.

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