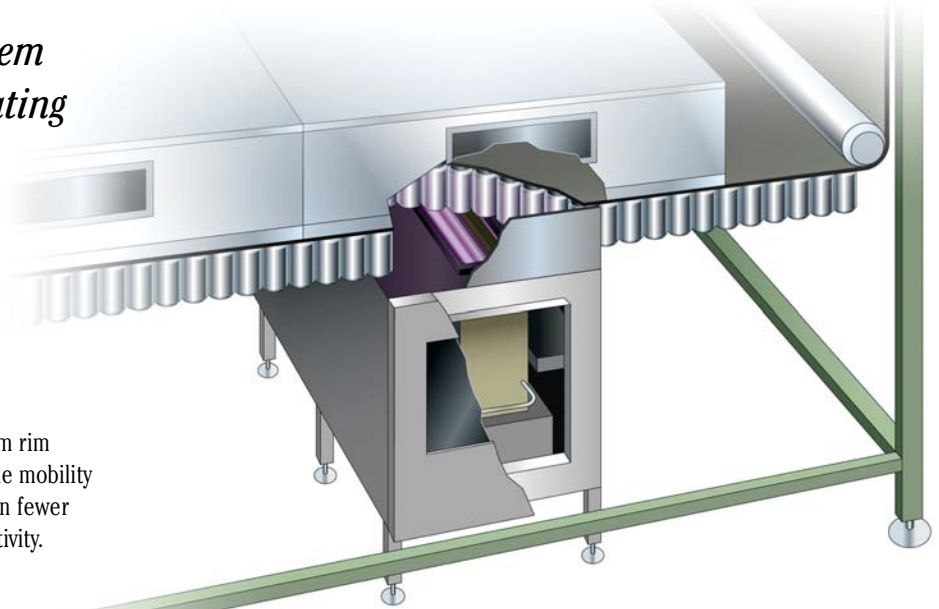


# CoolWave® UV Rim Cure System



*Fast, low-energy cure system for wear-resistant rim coating to increase mobility and guard against can jams, with greater throughput and reduced VOCs.*



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 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 UV Rim Cure System features the most advanced and reliable microwave-powered UV systems on the market today – the CoolWave 610 UV lamp systems – for greater productivity with less VOCs.

## **Nordson CoolWave UV Rim Cure System**

CoolWave 610 UV lamp systems are more durable and reliable than other microwave-powered UV systems. Requiring far less maintenance, the CoolWave 610 UV systems operate cooler, and with a more geometrically accurate field of focus. Plus, they deliver more consistent operation and provide longer service life than an arc lamp system.

## **No Internal Gasketing**

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 system uses a proprietary reflector material, consisting of dichroic-coated temperature-stable glass which offers several important benefits for better results. Nordson reflectors feature the industry's only two-year warranty on performance and workmanship.

## **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.

## **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 610 reflector comes with a two-year warranty against scratches and failure.

## CoolWave® UV Rim Cure System

### More Design Flexibility

The use of durable glass reflectors allows Nordson the design flexibility to offer multiple reflector sets for the CoolWave 610 system. There are two focused reflector designs available, a 2.1" and the cooler operating 3.1" reflector set. Nordson also offers the first flood reflector in a microwave-powered lamp.

### Robust, Reliable Power Supplies

The Nordson CoolWave lamp system utilizes a robust, reliable power supply with the ability to switch between three discreet power levels. Selections can be made from full power (6000 W), 65% power (4000 W), and 35% power (2000 W). CoolWave power supplies also feature:

- Remote I/O
- Electrical noise filtration
- Easy operator interface
- CE approvals
- 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.

### CoolWave Rim Cure System – Better by Design

CoolWave lamps are mounted inside a pre-fabricated 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.

### Rack-mounted Controls

All controls are designed to fit in an easy-access rack mount stand, with individual power supplies per lamp. These controls allow for full protection and monitoring of the lamp, complete power selection, and safety interlocking throughout operation.

### CoolWave UV Rim Cure System

#### Features and Benefits

- Reduced VOCs
- Increased can mobility
- Fewer jams and significantly greater throughput
- Fast, low energy cure
- More durable, reliable UV lampheads
- Cooler UV operation with more geometrically accurate field of focus
- Operating flexibility to switch between three discreet power levels
- Rack-mount design for easy operator control



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

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

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