

Conveyors and Curing Chambers

For UV Applications



High-quality, versatile, dependable UV system components for consistent high-performance in demanding applications



Four lamp head Nordson NTS Series Conveyor with hand-crank height adjustment of lamp heads

The high-quality, dependable Nordson Transport System (NTS) is engineered to streamline your UV curing process and increase productivity. The NTS conveyor is a versatile, mesh belt-type conveyor that can be used as a bench-top unit or stand-alone curing module.

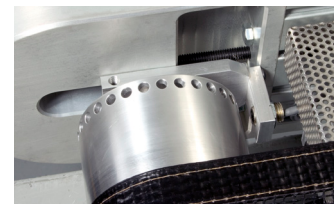
Any of Nordson's CoolWave® products from the popular 306 to the powerful CoolWave® 610 can be mounted to operate with the conveyors. The system can be configured in single- or multiple-lamp configurations. NTS series conveyors come in standard cure widths of 6", 12" and 20", but custom configurations are available upon request.

Variable Speed operation

The NTS series conveyor features a quiet, variable-speed DC motor with a velocity regulating drive that keeps belt speed constant, time after time, no matter what the production load. Conveyor speeds are available in several ranges from 0 to 150 FPM and are displayed in feet per minute or meters per minute on the front mounted digital display. This feature ensures repeatability of cure part after part.

Features and Benefits

- Adjustable belt speed: 0 to 150 fpm/minute with closed-loop speed control
- Standard belt width: 6", 12", 20" wide PTFE Mesh belt, 80% open
- Accurate digital belt speed readout and control
- Fully shielded entry and exit tunnels
- Built-in exhaust fan available
- Integral vacuum hold-down and cooling system available
- Variable lamp focus
- 360 degree lamp rotation
- Rugged aluminum extrusion design
- Quartz Plate Kit available
- Custom conveyors available
- Bench mount
- Manual height adjust
- Belt break detection
- Nitrogen inertion kit available



Simple Controls (left), Closed-loop Speed Control, Belt Break Detection (right)



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Conveyor components, safety features

Safety features include belt-break detection, as well as ventilation interlock. The NTS conveyor system can operate at various voltages to meet your changing production needs.

Nordson NTS Series Conveyor

Flexible Mounting design

Lamp mounting with the NTS conveyor is achieved by using a flexible mounting bucket. Lamp height to part distance can be easily adjusted and maintained either with fixed spring pins, or with the optional hand crank. Distances from 1.5 to 5.0 inches can be set, for improved compatibility with varying part sizes.

Quartz Plate Available

The lamp-mounting bucket is also designed to incorporate an optional quartz plate kit. The quartz plate, prevents airflow from disturbing the substrate or applied materials. This optional feature also reduces surface temperature of the cured part.



Nordson NTS Series Conveyor with two CoolWave 306I lamp heads, shown with standard lamp bracket to raise and lower lamp.

Nordson UV Curing Chamber

The compact, durable Nordson UV Curing Chamber is designed for dependable, round-the-clock operation.

Versatile, Rugged Design for Varying Requirements

Constructed from high tensile, anodized aluminum profiles, the UV chamber provides the flexibility to be customized to meet all of your curing requirements.

The UV chamber is engineered to accept all of Nordson's popular CoolWave UV curing lamps. These durable UV lamps are mounted in an adjustable lamp bucket, so the distance between the lamp and your parts is easily adjustable.

The UV chamber is available as a tabletop version or floor standing model.

- Safety interlocks
- Adjustable speed rotating turntable
- Programmable timers
- UV-safe viewing window
- Adjustable lamp mounting



Flexible design of the UV chamber can be customized for varying curing requirements.

The curing chamber includes a UV-safe viewing window and adjustable lamp mounting to facilitate operation

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