Nordson ASYMTEK’s Select Cure® UV-9 inline oven is ideal for top and bottom material curing in mid-to-high volume production. Using ultraviolet light as the primary cure method, the oven is optimized for curing of parts up to 420mm.

The heart of the UV-9 cure system is in the arc lamp technology with adjustable UV intensity. Combined with a unique ventilation design that dissipates heat generated from the UV lamp. This combination keeps the temperature and rate of rise at acceptable levels while maximizing production and lamp lifetime as the lamps run cooler.

A closed loop feature insures process reliability and compensates for the eventual lamp degradation by measuring and adjusting power levels for UVA. Therefore, the desired profile is maintained within +/- 5% of the programmed specifications. Other options and lamp types are also available to further insure the oven meets customer specific needs while maintaining high performance.

Additionally a standard SMEMA-compatible chain conveyor with 5 mm pins enables the processing of boards and is easily integrated with any dispensing system. The conveyor can be configured for either left-to-right and right-to-left flow with electrical width adjustment.

<table>
<thead>
<tr>
<th>Arc Lamp 505mm</th>
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<tbody>
<tr>
<td><strong>Focal Length</strong></td>
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<tr>
<td><strong>Length (board width)</strong></td>
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<tr>
<td><strong>Power</strong></td>
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<td><strong>Lamp Options</strong></td>
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</table>
Specifications: Select Cure® UV-9 Series Oven

General:
Dimensions:
1400 x 1200 x 1526 mm (55.12 x 47.24 x 60.1 in.)
2086 mm (82.13 in.) including beacon

Light Tower, 3-Lamp Configuration with buzzer:
- Red: Alarm
- Orange solid: oven not ready (start-up, cooling down, downstream SMEMA no ready etc.)
- Green flashing: Lamp in stand-by mode, but ready for production pending on up-stream SMEMA
- Green solid: Run

Weight:
- 250kg (551 lbs). (approximate)

Noise level: 68dB @ 1 m

Conveyor:
Type: Chain conveyor with 5mm pins
Component clearance: 100mm top and bottom
Conveyor Height: 920 to 1000 mm (36.22 to 39.37 in.)
Conveyor Speed: 300 to 1500 mm/min (1-4.92ft/min)
Conveyor Width: 50mm to 420mm (1.97 to 16.54 in.)
Conveyor length: 1400 mm (55.12 in.)
Maximum load: 4Kg / m (8.82 lbs/3.28ft.) evenly distributed.
Optional: Heavy duty conveyor.

Facilities Requirements:

<table>
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<tr>
<th>Power: 400VAC 3 phases,</th>
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<tbody>
<tr>
<td>Voltage</td>
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<tr>
<td>400 V AC</td>
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<tr>
<td>Phases</td>
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<tr>
<td>Mode</td>
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<tr>
<td>Power rating</td>
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</tbody>
</table>

Exhaust/Ventilation:
10.83 m³/min @ 40 mm WC, 250 mm exhaust duct
(382.5 SCFM @ 1.57 in. WC, 10 in. exhaust duct)

Other Standard Features:
Integrated operator interface on Coating or Dispensing cell
Software controlled conveyor width adjustment
Light Beacon
Exhaust control
Door and safety interlocks
E-stop
SMEMA compatible

Options:
Close loop UVA lamp regulation
Traffic Control
Board Counter
Board jam detection (entry and exit)
Automatic width adjust for conveyors
Right to left conveyor direction
Heavy duty conveyor: 8Kg/m (17.64 lbs/3.28ft.) evenly distributed. Reduces maximum conveyor width to 400 mm
Traceability
Entrance conveyor covered extension
Exit conveyor covered extension
Recipes and data log storage
Touch screen for oven monitoring and control
Special Paint
Dual Lane conveyor
Iron-doped lamp
Gallium-doped lamp
**Select Cure® UV-9 Series Oven**

<table>
<thead>
<tr>
<th>Control</th>
<th>Top Lamp</th>
<th>Bot Lamp</th>
<th>My oven</th>
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</thead>
<tbody>
<tr>
<td>Recipes</td>
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<td></td>
<td>RPP</td>
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<tr>
<td>Alarms</td>
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<td>Top lamp Energy (m)</td>
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<td></td>
<td>Op (%)</td>
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<tr>
<td>Start</td>
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<td>Bottom</td>
<td>Bottom lamp Energy (m)</td>
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<td>Op (%)</td>
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<tr>
<td>Stop</td>
<td>Track A</td>
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<td>Speed (cm/min)</td>
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<tr>
<td></td>
<td>Track B</td>
<td></td>
<td>Pcb</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Speed (cm/min)</td>
</tr>
</tbody>
</table>

*Software interface for Select Cure UV-9 Oven*

Select Cure UV-9 Oven in line with a Nordson ASYMTEK SL-940E coating system

For more information, speak with your local representative or contact your regional office.

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