VertiCure™ Vertical Curing Systems

Our VertiCure™ Vertical Curing Systems complement all our dispensing system lines, producing complete “dispense-and-cure” systems. These automated curing systems may be customized to specific customer requirements.

The standard vertical conveyor system can accommodate pallets up to 24" w x 36" d (or 2-3 24" wide pallets totalling 36" deep) per index level. For example, a total of 33 24" w x 12" d pallets can be accommodated in each of the heating and cooling zones. A pallet with parts can total up to 5" high.

VertiCure™ Vertical Curing Systems

Key Features

➢ Fully programmable with Smart Oven Technology™
➢ Can be set to index single or multiple pallets per index level
➢ Multiple heating-zone flexibility, with adjustable temperature control
➢ Electric powered, natural gas optional
➢ High-temperature safety shut off switches
➢ Indexing conveyor

Options

➢ Power exhaust venting
➢ Temperature Datalogging System

Benefits

When floor space is at a premium, horizontal ovens may consume too much real estate. So we literally designed the VertiCure™ Vertical Curing System from the ground up!

➢ 65% savings in floor space*
➢ 80% less energy used*
➢ Advanced index controls integrated with the conveyor maximize production throughput

* Figures based on comparison with an equivalent 40' horizontal CNV Oven with 18' cooling section, with temperature set at about 140˚C. Results may vary.

The VertiCure™ Vertical Curing System

Equipment shown is typical. Custom configurations are available.
Since 1971, Robotics Inc. has designed, built, and supported automated dispensing around the world.

**Systems & Support**

Robotics, Inc. has decades of experience designing and building automated dispensing systems. We provide complete system solutions, including start-up and installation assistance, training, field service support, and complete documentation. We provide both standard systems and custom-designed solutions. Dependent on your specific project considerations, Robotics Inc. staff will design and build a system that is right for you.

**Information**

For more information on VertiCure™ Vertical Curing Systems or other products and services, contact a Representative from our Technical Sales Department:

ROBOTICS, Inc.

**Headquarters**
2421 Route 9
Ballston Spa, New York 12020
Phone (518) 899-4211 or (800) 876-2684
Fax (518) 899-4230
www.Roboticsinc.com
Email: Info@Roboticsinc.com

**Midwest Regional Sales Office**
Phone (248) 743-2920
Fax (248) 743-2923

**Electrical/Electronics Sales Inquiries**
Phone (518) 899-4211 or (800) 876-2684
Fax (518) 899-4230

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**VertiCure™ System Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Outside Dimensions</strong></td>
<td>13'5&quot;&quot; x 7'7&quot; x 12'1&quot; (LxWxH)</td>
</tr>
<tr>
<td><strong>Max. Pallet/Part Size</strong></td>
<td>24&quot; x 36&quot; x 5&quot; (W x D x H)</td>
</tr>
<tr>
<td><strong>Index Levels</strong></td>
<td>11</td>
</tr>
<tr>
<td><strong>Max. Weight per Index Level</strong></td>
<td>100 lbs.</td>
</tr>
<tr>
<td><strong>Max. Temperature</strong></td>
<td>450˚F</td>
</tr>
<tr>
<td><strong>Temperature Controls</strong></td>
<td>Independent zones, all controls in one exterior enclosure</td>
</tr>
<tr>
<td><strong>Controller</strong></td>
<td>Allen-Bradley PLC</td>
</tr>
<tr>
<td><strong>Cooling</strong></td>
<td>Multiple high-capacity ambient-air fans</td>
</tr>
<tr>
<td><strong>Conveyor</strong></td>
<td>High-temperature synchronous or asynchronous conveyor with stainless steel flat-top chain</td>
</tr>
</tbody>
</table>

*Specifications shown are standard. Custom designs are also available. Specifications subject to change without prior notice.

*Specifications shown are the property of Robotics, Incorporated.*

Pallet transfer at the top of the heating zone.

Schematic diagram showing pallet movement through the oven and cooling zone.

Inside view of pallet and index levels.