For consumer packaged product manufacturers wanting to control the quality of their label or packaging, the V6300 Series is a standard, easy-to-use and flexible machine vision system that is pre-configured to provide a complete solution for common packaging and labeling defects.

Rather than relying on an integrator for a one-off customized system or the “do it yourself” approach, the V6300 is a turnkey vision inspection system with an expandable, flexible design which integrates easily into an existing production line. Combined with the support and expertise of our vision experts, the V6300 efficiently mitigates critical packaging related risks, providing an expandable vision system designed for customers who demand robust and reliable inspection solutions.

Benefits
- Quickly detects labeling and packaging defects and alerts operators, allowing for faster responses to production error
- Product tracking ensures defective products are removed from the production line every time
- Design allows for easy adaptation to future inspection requirements
Flexibility
Adapting to Your Needs

Investing in vision inspection can be costly when each system is limited in the number and type of inspections it can perform. That is why we made sure the V6300 Series can multitask. One V6300 can perform numerous inspections using a single camera or multiple linked cameras, providing comprehensive quality assurance. Set up the inspections you want (or have us do it for you in our state-of-the-art vision lab) and the V6300 will handle the rest. Changing between pre-configured inspection routines is easy using the CIVCore® control software; its wizard-based product training allows manufacturers to keep pace with ever-changing graphics, packaging innovations and new products.

A successful vision inspection system relies heavily on knowing where the package is on the line. From image acquisition, to defect detection, to product rejection, the V6300’s product tracking capability is the difference between rejecting defective products and having them get by. Careful synchronization of cameras, lights, conveyors and rejectors keeps defects in the reject bin and off retailer shelves.

Easy Line Integration
The V6300’s Rapid Fit™ frame fits easily over pre-existing production lines, requiring no line breakages. Optional connectivity to line control software is available, using Pack Tags data mapping configured in accordance with OMAC standard ISATR88.00.02.

Expandable Configurations
The V6300 offers a variety of preexisting configurations supporting anything from one camera and one light to five cameras and ten lights. Should inspection needs change and require more cameras, the system is easily expandable.

Modular Design
With the V6300’s modular design, the system can fit the needs of your specific application. Our team of vision experts determines the best configuration of hardware and software to function effectively on your packaging line.
Easy Operation and Maintenance

The V6300 has been designed specifically for ease of use. Parts are readily accessible for maintenance and can be quickly replaced when needed. Our CIVCore® vision platform does the heavy lifting, allowing you to create effective inspections without needing to be an expert.

Optional IP65 Capabilities

Manufacturers who require machines built to IP65 standards will find that the V6300 is up to the task, with optional camera housings and terminal vent covers that protect sensitive components from moisture.

Economical Design

The V6300’s frame is designed to effectively support the cameras and lights required for the system without using too much material, saving money and keeping the overall system profile small.

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>V6300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terminal Length and Width</td>
<td>605 mm x 411 mm</td>
</tr>
<tr>
<td>Terminal Height</td>
<td>1400 mm</td>
</tr>
<tr>
<td>Frame Dimensions*</td>
<td>Variable</td>
</tr>
<tr>
<td>Line length requirements**</td>
<td>650 mm</td>
</tr>
<tr>
<td>Inspection Speed</td>
<td>1000 ppm****</td>
</tr>
<tr>
<td>Vision Technology</td>
<td>PC Controlled GigE Cameras</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>110-220 V (single phase), 50-60 Hz</td>
</tr>
<tr>
<td>Operating Temperature (°C)***</td>
<td>up to 43.3</td>
</tr>
</tbody>
</table>

* Frame dimensions can vary depending on installation options
** Line length requirements can be smaller or larger depending on installation options
*** With optional A/C unit
**** Depending on inspection complexity
Specifications:
V6300 Series

Inspection Capabilities
• 1D and 2D barcode presence and reading
• Alpha-numeric text presence and reading
• Presence and quality of graphics
• Label quality, position and skew*
• Fill level and closure application
• Gauging, locating and identifying obvious defects in package*

Software Capabilities
• Failure string signals: The V6300 can be programmed to signal operators or shut down production based on production trends or a set of consecutive failures, allowing for early detection of weak points in the production process.
• Anti-circumvention capabilities provide a safeguard against bypassing inspection to speed up production—making sure that every product gets inspected.
• CIVCore interface is standard on all METTLER TOLEDO CI-Vision solutions—companies with other CI-Vision inspection solutions on their line will find the same easy-to-use interface on the V6300. First time users will find the software easy to learn.**

Available Configurations
• V6300 Rapid Fit™: Includes cameras, lights, product tracking, control terminal and our Rapid Fit™ frame. For manufacturers looking for an installation option that can quickly adapt to new production line layouts.

* Talk to a METTLER TOLEDO representative about your specific needs.
** METTLER TOLEDO offers training classes for beginners and advanced users alike. Contact a METTLER TOLEDO representative for more details.