**ItemUnit-360**

The Traxeed ItemUnit-360 is a standalone code verification system for containers such as bottles, jars, cans or vials. It can be seamlessly integrated into packaging lines without mechanical interfaces, as it uses the conveyor belt of the upstream machine.

The ItemUnit-360 has been specifically designed for handling serialized round, oval or square containers. The code content of the container is verified against the actual production. In case of an unknown or bad serial number, a signal is sent to a reject system.

**FEATURES**

- **System**
  - Seamlessly integratable
  - Standalone
  - Up to 40 m/min product speed
  - Up to 400 ppm

- **Verification system**
  - 1D/2D wireless handheld scanner

- **Additional accessories**
  - Product separation module*  
  - Reject module*
  - Infeed reading module*

- **Inspection system**
  - Cognex DataMan
  - Resolution: 1280 x 1024 pixel
  - LED Lighting with strobe controller

- **Industrial PC**
  - B&R Industrial PC
  - CPU Intel Core i7
  - RAM 4 GB DDR3
  - SSD 60 GB
  - 18,5" Widescreen TFT Touch Screen

- **Installation requirements**
  - Encoder signal from conveyor belt of OEM
  - Voltage: 230 V, 50 Hz (L, N, PE)
  - Power consumption: approx. 0.75 kW
  - Weight: 150 kg

- **Operating Conditions**
  - Temperature: 10°C – 40°C
  - Humidity: 0% – 80% RH (non-condensing)

* Available soon
**SPECIFICATIONS**

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**Container specifications**
- Container shape: round. Others have to be evaluated by Traxeed
- Distance between two bottles: at least twice the diameter of the bottle (distance must be ensured by the upstream machine)
- Packaging insert possible at the top and side of a container

**Container dimensions**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Distance</th>
<th>Minimum (mm)</th>
<th>Maximum (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter</td>
<td>A</td>
<td>30</td>
<td>100</td>
</tr>
<tr>
<td>Height</td>
<td>B</td>
<td>50</td>
<td>200</td>
</tr>
<tr>
<td>Distance between top of cap and package insert</td>
<td>C</td>
<td>10</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Product material**

**Container**
- HDPE, PP, PE white/transparent, white/amber glass

**Cap**
- HDPE, PP, PE white/aluminium

**Label**
- PP, PE, paper, coated with composite

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**Code position**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Distance</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size of DataMatrix module (mil)</td>
<td>N/A</td>
<td>15</td>
<td>N/A</td>
</tr>
<tr>
<td>Height of DataMatrix code (mm)</td>
<td>N/A</td>
<td>10</td>
<td>40</td>
</tr>
<tr>
<td>Quiet zone (mm)</td>
<td>N/A</td>
<td>2</td>
<td>N/A</td>
</tr>
<tr>
<td>Code position in height measured from the end of rounding of the bottle shoulder (mm)</td>
<td>D</td>
<td>5</td>
<td>180</td>
</tr>
<tr>
<td>Code position in height measured from the bottom (mm)</td>
<td>E</td>
<td>20</td>
<td>180</td>
</tr>
<tr>
<td>Distance between code and package insert (mm)</td>
<td>F</td>
<td>10</td>
<td>90</td>
</tr>
</tbody>
</table>

* for codes applied on the container
**Dimensions**

**Space requirements:**
- Frame length: 600 mm
- Total depth: 899 mm
- Total height: max. 2057 mm

Display can be mounted either on the left or on the right side (as shown).

Conveyor belt of OEM

View without housing
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