9-Point Testing Of Needle Detector

Refer to your product safety manual. Test 3 times each day. Test at 9 points EVERY time.

Note: Needle detector must be calibrated at least 3 times per 8-hour shift.

Tools for 9-point test

1. Test card
   1.2mm* or 1.0mm* diameter ferrous metal standard
   * dependent on buyer's requirement

2. Calibration block
   60 x 60 x 90 mm

Note: Place the test card to the corresponding position by using the calibration block (see picture on the right) to test the machine sensitivity.

Positions of 9 points

<table>
<thead>
<tr>
<th></th>
<th>Left</th>
<th>Centre</th>
<th>Right</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>A7</td>
<td>A8</td>
<td>A9</td>
</tr>
<tr>
<td>Centre</td>
<td>A4</td>
<td>A5</td>
<td>A6</td>
</tr>
<tr>
<td>Bottom</td>
<td>A1</td>
<td>A2</td>
<td>A3</td>
</tr>
</tbody>
</table>

Step 1
Place the test card onto the conveyor belt to test A1, A2 and A3.
Note: Calibration block is not required.

Step 2
Place the test card onto the calibration block (see picture below) then onto the conveyor belt to test A4, A5 and A6.
Note: test card is positioned about 6cm above the conveyor belt.

Step 3
Place the test card onto the calibration block (see picture below) then onto the conveyor belt to test A7, A8 and A9.
Note: test card is positioned about 9cm above the conveyor belt.

Record detection result:
✓ YES or ✗ NO

DO NOT continue if ANY point not detected.

Note: If ALL ✓ then proceed.

In case any point (e.g. A6) not detected, re-test the failed point(s).

Note: A6 not detected is an example only. It can be on other positions, too.