Colamark A204R Battery Labeling System

**MULTI-FUNCTION!** Colamark A204-R is an ideal high labeling solution for automatic wrap-around labeling on No.5 & No.7 batteries.

**CONTINUOUS Production!** The high-capacity material tank ensures non-stop batteries supply.

**Trouble Free!** Batteries are being transferred to a climbing conveyer, the snake-shaped dispensing channel on the roller conveyor delivers and feeds the batteries into the star wheel for labeling. The complete mechanism ensures speed and stable operation.

**OPERATE SIMPLY!** Feeding, conveyor, labeling, heat shrink and packing in on pass. Collection conveyor is available for downstream delivery.

**SAFE & FLEXIBLE!** The system can be used either stand-alone, or integrated easily into the existing production line.
Features

- All-in-one pass: Material tank → Roller conveyor → Star wheel feeding → Labeling → Heat shrink → Packaging conveyor, collection.
- Easy changeover for different battery sizes: just change the separating wheel to swap between No.5 and No.7 batteries.
- Use of through-beam photo sensors for materials level detection. Achieve automatic speed adjustment at low material level, and automatic stop when no material
- Automatic suspension of labeling process when the shrink tunnel is over-heated or under-heated avoiding label wastage from improper heat shrinking.
- Automatic temperature control of the shrink tunnel for good protection:
  - Adjustable temperature and blowing intensity for optimal labeling effect.
  - When the conveyor is stopped for a prescribed duration, the shrink tunnel will automatically stop heating to avoid over heating the two ends of the batteries in the tunnel.
  - When the conveyor is stopped completely, the shrink tunnel will stop heating and blowing.
- Optional polarity detection feature: Automatically detects batteries placing in wrong polarity orientation and rejection.
- Double safety features at the feeding mechanism: torque detection and emergency stop. When a mis-located battery blocks the star wheel, the machine will stop automatically.

Machine Model A204R

<table>
<thead>
<tr>
<th>Battery Size</th>
<th>No.5 (Dia. Φ13.8 mm)</th>
<th>No.7 (Φ 10 mm)</th>
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</thead>
<tbody>
<tr>
<td>Labeling Precision</td>
<td>± 0.2 mm (Other than errors from batteries or labels)</td>
<td></td>
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<tr>
<td>Stable production capacity</td>
<td>300ppm (Depends on battery &amp; label sizes)</td>
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</tr>
<tr>
<td>Max. production capacity</td>
<td>350ppm (Depends on battery &amp; label sizes)</td>
<td></td>
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<tr>
<td>Power Consumption</td>
<td>220VAC±5% 50Hz 3kW (Exclude material tank &amp; roller conveyor)</td>
<td></td>
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<tr>
<td>Machine Dimensions</td>
<td>(L)5588mm × (W)680 mm × (H)1600mm</td>
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</tbody>
</table>

( Custom engineered solutions are available to cater for customer’s special needs. )