

## Packaging of round cell batteries

Deep-drawing technology and product handling to very high precision.



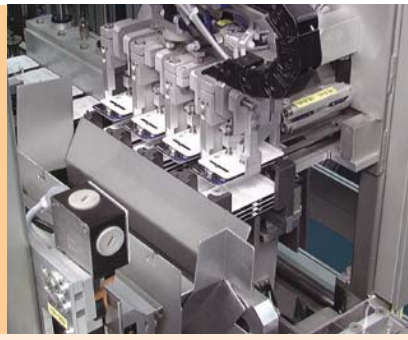
The rationalization of the packaging process to date and reduction of the unit costs were paramount factors in the development of this line. Furthermore, a protection label had to be applied inline, the intention of this being to protect against the premature discharging of the round cells.

The special features in the processing of round cell batteries are as follows:

- Packaging of zinc/air cells and standard round cells of different sizes on one line
- Optional packaging of 2, 4 or 6 round cells per individual pack
- Exact interpositional precision of the individual blister cavities
- Application of a protection label on the zinc/air cells to prevent premature discharging
- End packing of 10 pairs of nested blisters
- Level control of the stations for compensation of the foil stretching



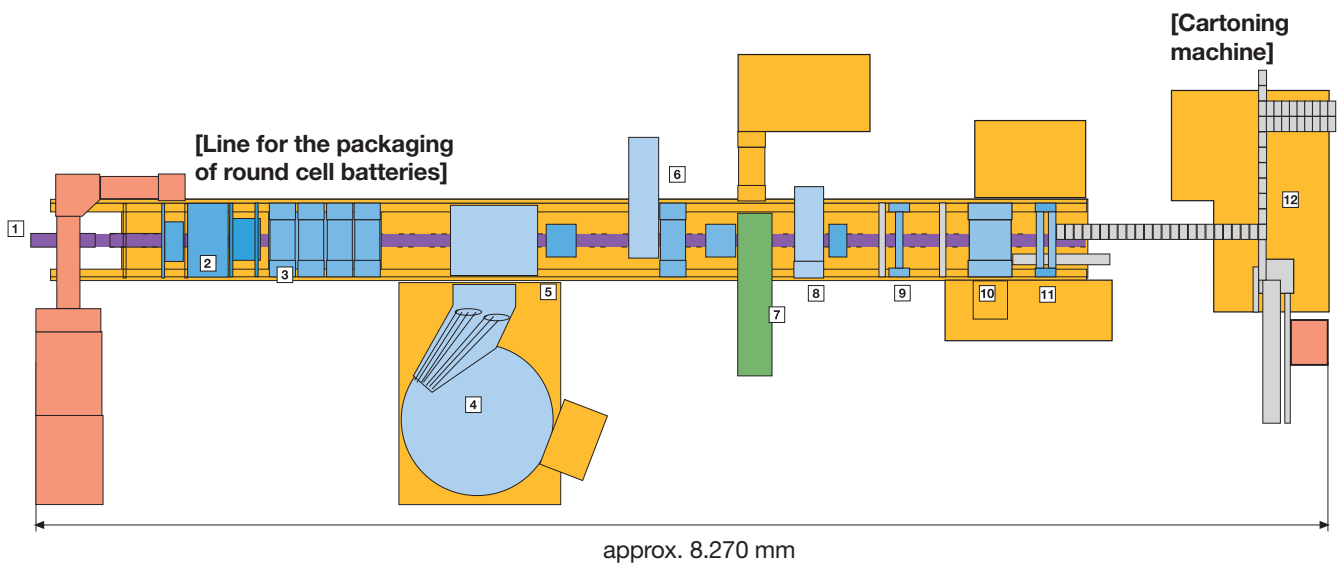
Transfer of round cell batteries into the thermoformed film web



Nesting and stacking of completed packs via a gripper system



Feed of the carrier cardboard and insertion into the product chain



You will find further informations in our brochure "Customized Solutions"

**Technical data**

**Output:** up to 500 pass cells / minute  
**Sizes:** 3, 4 or 6 cells / pack  
 10 nested packs / carton

Size 1: Ø 11,6 mm / height 5,4 mm  
 Size 2: Ø 7,9 mm / height 5,4 / 3,6 mm  
 Size 3: Ø 5,8 mm / height 3,6 / 2,1 mm

**Production sequence**

- |                            |                                |
|----------------------------|--------------------------------|
| <b>1</b> Film unwind       | <b>7</b> Backing card feed     |
| <b>2</b> Forming station   | <b>8</b> Backing card sealing  |
| <b>3</b> Cooling           | <b>9</b> Advance               |
| <b>4</b> Battery feed      | <b>10</b> Die-cutting          |
| <b>5</b> Battery insertion | <b>11</b> Nesting and stacking |
| <b>6</b> Labeling          | <b>12</b> Cartoning            |