

challenges

The customer, a primary European Pharmaceutical Company, required to wrap stripes of vials in various composition of **5, 6, 5+5, 6+6 portions**, in a wrapping material **79 microns tick**, with the guarantee of high integrity seal at the speed of **160 packs/minute**, at the pressure of **600 mlBar**.

How did Cavanna manage to supply such a high performance line?



TIGHTNESS
600 mlBar

solutions / strengths

Cavanna supplied a fully automatic feeding system, for the accumulation, phasing and grouping the vials by two in one layer or by two superimposed.

The wrapping process starts by receiving the vials in one lane, then by means of a special belt infeed the products are indexed and introduced timed between the lugs of the wrapper, where they are successively packed individually, or grouped by two in one or two layers, by means of an automatic feeding system.

The change-over size is fast and simple and the operator can do it by following a special visual program showing the change over operations through the touch screen interface.

The sealing integrity is guaranteed by a special high speed Sealing Head type BMH (Box Motion Head).

results / benefits

Cavanna **ZERO5 Wrapper BMH** reached a **high efficiency performance of 99,99% at the speed of 160 packs/minute**, matching the expectation of the customer in terms of investment return.

The use of this wrapper reduced the **TCO** with a minimum staff and maintenance, together with an high efficiency .

The machine is equipped with:

- A** Automatic in-line in-feed
- B** Automatic splicing device
- C** Cutless function (no gap-no seal)
- D** High-speed box motion for hermetic sealing
- E** Package rejection of faulty packs
- F** Bar code scanner control
- G** Date control camera
- H** Labeling machine
- I** IQ/OQ validation documentation

