

#CASE STUDY SYRINGES

CONSTANT SUPPLY OF VACCINE

- Higher cartoning performance for continuous market supply
- Flexible packaging of ready-to-use syringes in individual boxes and boxes of 10
- Implementation of a complete line with Schubert and third-party technology

REQUIREMENT

An innovative pharmaceutical manufacturer is modernizing an existing Schubert packaging line to flexibly increase the throughput of its vaccine production.

The ambitious target is 400 syringes per minute using the top-loading process. The versatile comprehensive solution handles follow-up processes such as syringe plunger insertion, labelling and cartoning.

This ensures that the vaccine, which is produced in two annual campaigns and must always reflect the latest research, is efficiently packaged both in individual cartons and in boxes of ten with inlays and separate lids.



SOLUTION

To achieve the ambitious target of 400 syringes per minute using the top-loading process, Schubert relies on a creative, modular line concept comprising ten sub-machines. The special feature lies in two erection stations working in parallel.

An F2 robot removes the optimally dimensioned blanks from multi-lane magazines and erects up to eight single packs or four 10-packs simultaneously. A separate gluing and folding process also produces the inlays for the multi-packs, which guarantees maximum efficiency.

TECHNICAL DETAILS

- Close interaction between F2 and F3 robots for erecting, filling and closing
- Printing of batch numbers on the sides of the boxes
- Changing formats in 45 minutes saves a significant amount of time

LEISTUNG

- up to 400 Products / Minute

“The FAT of the complete line was carried out with all machine suppliers at the Schubert site in Crailsheim. This enabled us to deliver a comprehensively tested line – for a successful launch with very few risks.”

Karin Kleinbach

Head of the Pharma Division, Schubert Packaging Systems GmbH



TO VIDEO