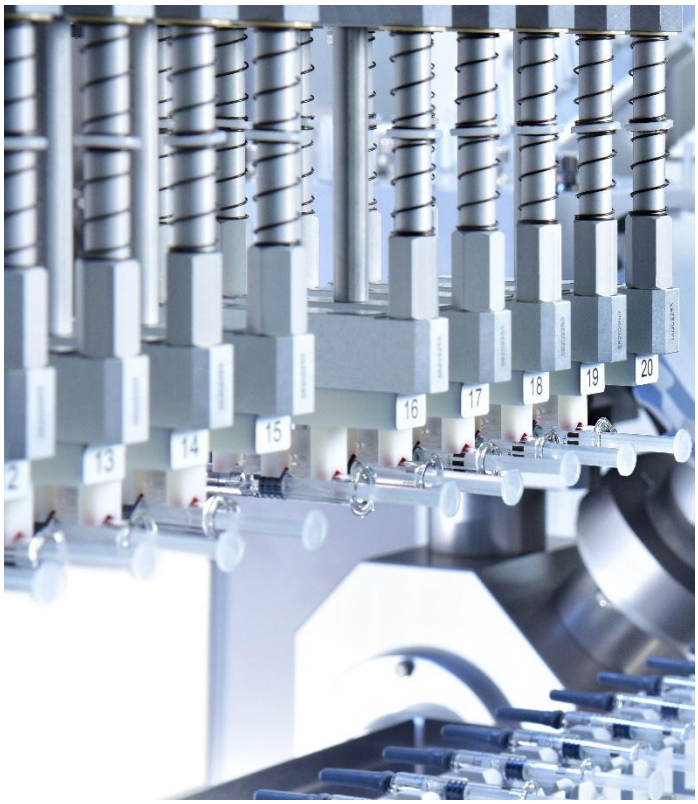
SCHUBERT
PHARMA

#CASE STUDY
SYRINGES

INNOVATIVE FEEDING SYSTEM FOR A SAFE AND FAST PACKAGING PROCESS AT A PHARMACEUTICAL MANUFACTURER

- Interchangeable format parts can be flexibly adapted to any syringe format
- Interlocking star wheels allow precise feeding of the syringes
- Schubert camera system for fully automated quality control



REQUIREMENT

400 syringes are reliably processed per minute:
To accelerate and stabilize seasonal flu vaccine production, a major pharmaceutical company partnered with Schubert-Pharma. The infeed system with star wheels and robotics enables high-speed packaging with gentle handling.
Flu vaccines must be produced twice a year due to differing seasons in each hemisphere. Time is critical, as the vaccine must be ready shortly after virus strains are identified. The syringes, made of fragile glass, require careful processing. Previously, pick & place robots handled the task. Now, the system increases speed without raising reject rates – ensuring safe, efficient packaging of valuable vaccine doses.

SOLUTION

To achieve speeds of up to 400 gently packaged syringes per minute, a leading pharmaceutical company turned to Schubert-Pharma. Together, they developed an efficient solution featuring an infeed with two interlocking star wheels and a special grouping table. The format parts are easily exchangeable and adaptable to different syringe types. The system currently handles five formats, including 1-ml long syringes with various caps. This flexibility enables fast response to market needs and early preparation for future influenza waves.

TECHNICAL DETAILS

- Gentle product handling
- 5 different formats
- Adaptation of the feed to upstream production
- Packaging of pre-grouped products by Schubert cartoners

SPEED

- up to 400 products / minute

“Since we already operate several Schubert packaging machines, we know and value the company as a reliable partner.”

Responsible Project Manager
at the Pharmaceutical Manufacturer

TO VIDEO