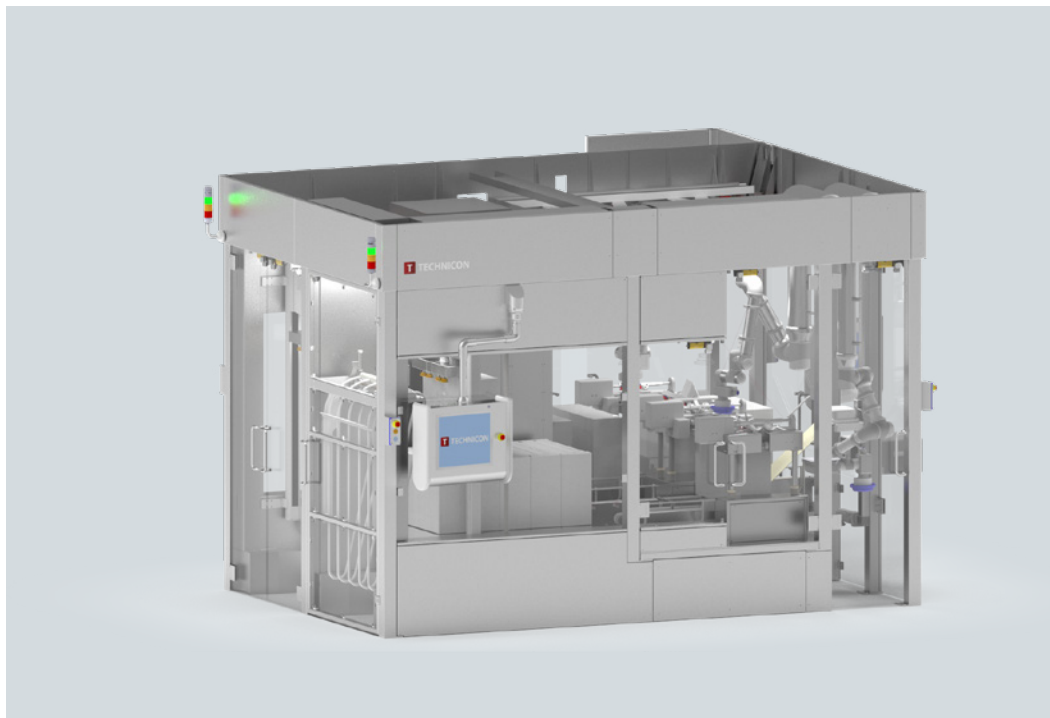


TUB FEEDER

TUB Feeder is a compact, fully automated robot solution enabling stable in- and outfeeding of tubs. The built-in vision system and custom-developed vacuum grippers smoothly handle tubs of varying sizes.



Challenge

Within the Life Science industry, the daily unpacking and packing of tubs is a repetitive and time-consuming task.

Varying tub sizes are going to be unpacked from akylux boxes stacked on pallets. Frequently, the akylux boxes are stacked differently.

Manual depalletizing, opening boxes, and unpacking tubs is costly, repetitive, and risk causing production bottlenecks.

SOLUTION OVERVIEW

The **TUB Feeder** is a scalable robot solution that automatically manages the entire tub in- and outfeeding process: depalletizing, opening boxes, gentle removal of tubs, lid application, packing tubs into Akylux boxes, and palletizing.

- + The modular design can be customized to specific needs. Depending on requirements, 3-6 reliable robots, a box-opening module, specially developed vacuum grippers, advanced vision system, and built-in gantry are included.
- + The vision system efficiently handles depalletizing irregularly placed and skewed boxes. A precise mechanical solution ensures the robot applies lids to filled tubs during the process.

It can be configured to pack filled tubs onto pallets or direct them to inspection lines. **TUB Feeder** can handle 6 tubs per minute.





TECHNICON CASE

Solution Benefits

- + The fully automated **TUB Feeder** manages all steps from depalletizing empty tubs to palletizing filled ones, reducing labor costs.
- + The **TUB Feeder**'s advanced vision system systematically checks the filled tubs. Technicon's solution is flexible, scalable, and can be customized/configured for changing needs and processes.
- + Additionally The **TUB Feeder** improves data collection, enhancing production control.