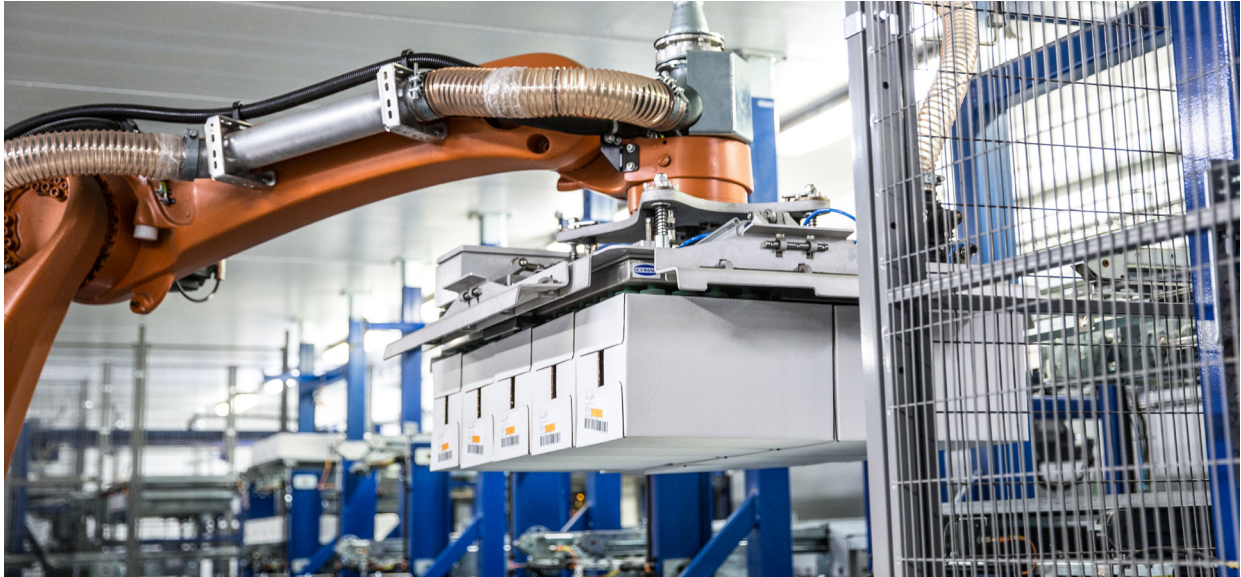


Fatland, Norway

End of line automation



The automated end-of-line solution for Fatland includes crate conveyance, sorting, miniloader, robot palletizing, pallet conveyance and buffering. The system handles up to 3,000 boxes per hour arriving from 15–20 production lines.

The customer

Fatland is a family-owned company. Rasmus Fatland started the slaughtering business back in 1892 in Vikedal, Norway, and the company is now operated by the fourth generation. The slaughterhouse in Ølen produces consumer packed meat – approx. 200 tons of processed meat per day, divided on 50–100,000 small crates weighing between 500 grams and 5 kilo.

The Fatland plant includes 22 different production lines, handling relatively small series and a wide variety of products within each line. This places heavy demands on the storage system, and in 2016 it proved necessary to automate production, not only to maintain and increase productivity, but also to minimize faults and waste.

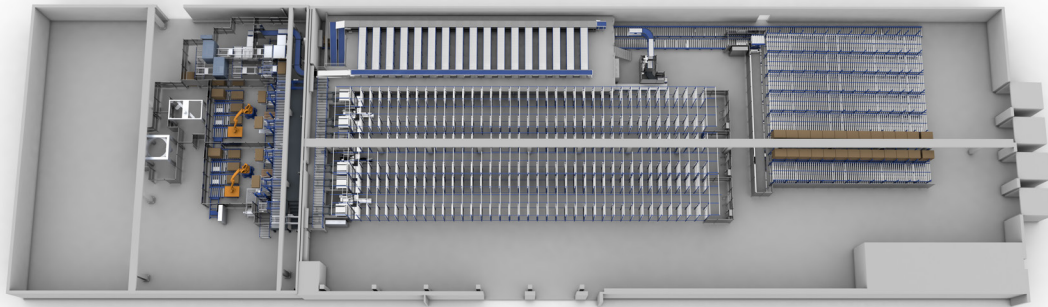


Søren Boll
Sales Manager
System Integration

Features and benefits

- **High flexibility**
- **Fast changeover between various products**
- **Low total cost of ownership**
- **Sortation**
- **Custom solution**





The solution

Fatland requested a customized solution adapted to their existing production set-up. This called for a sorter and buffer system for the various products, capable of conveying goods to mixed pallets at the required times. After sortation, the products enter trays and form one pallet layer per tray. The products are then conveyed either into the buffer storage consisting of a miniload storage with three cranes, or directly to palletizing. The building of customer-adapted pallets is handled by two palletizing robots. Products arrive either from the production area or from the miniload storage. The completed pallets are shrink-wrapped and then proceed to a pallet buffer that handles the sortation in preparation for destinations or customers before further conveyance. Conveyance and storage are managed by a WCS that coordinates production, storage palletizing and despatch in the most optimal way.

“I can safely recommend Körber as supplier of this type of system. Our cooperation worked really well. They understood our challenges and solved them for us – and on time. This was essential to us, since time is an incredibly important factor for such a large system. The solution is tailor-made for us – we had some limitations due to existing buildings, but this was solved by Körber.”

Inge Fatland

Co-owner and Technical Manager, Fatland

Körber Supply Chain Automation:

Our impartial consultants will advise on, and help you select, the right automation solution for your organization. We have our own range of competitive products, but we are equally willing to procure and implement other products if they are better suited to your needs.

Facts and figures

Industry

Food production – processing and sale of consumer packed meat

Delivery

Crate conveyance, sorting, miniload, robot palletizing, pallet conveyance and buffering

Locations in miniload storage

Approx. 2,000 trays

Locations in pallet buffer

Approx. 240 EUR-pallets

Overall capacity, in

3,000 products/h from production

Overall capacity, out

70 EUR-pallets/h

Robot capacity per robot

300 pallet layers/h