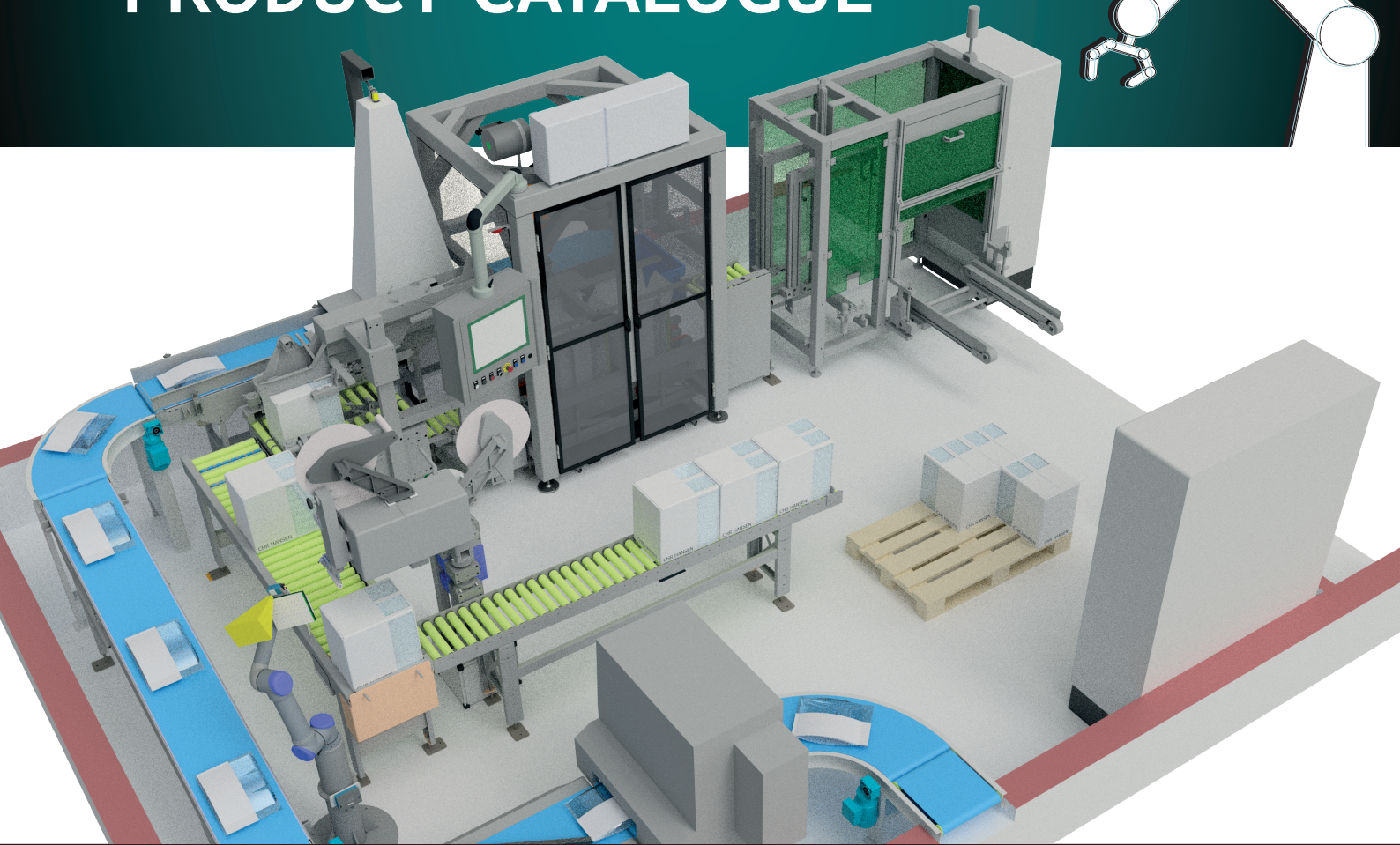
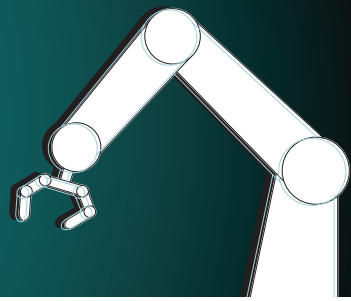


PRODUCT CATALOGUE



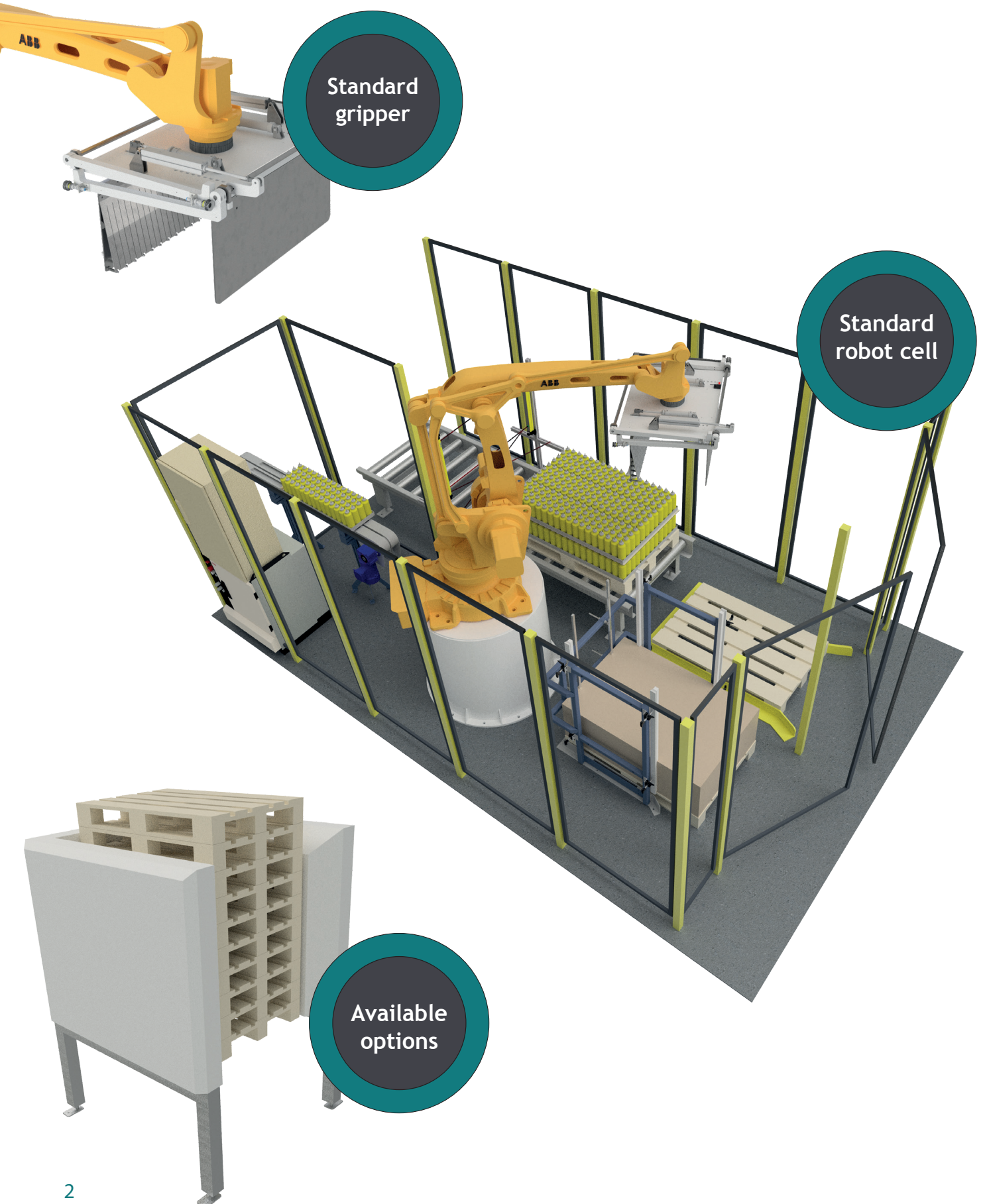
ROBOT SYSTEMS FOR PALLETIZING, DEPALLETIZING & PACKING

We offer advanced robot systems and solutions.
Standardised or customised, and with a high degree
of system reliability (OEE).

ROBOTTOOL

STANDARDISED ROBOT SYSTEM

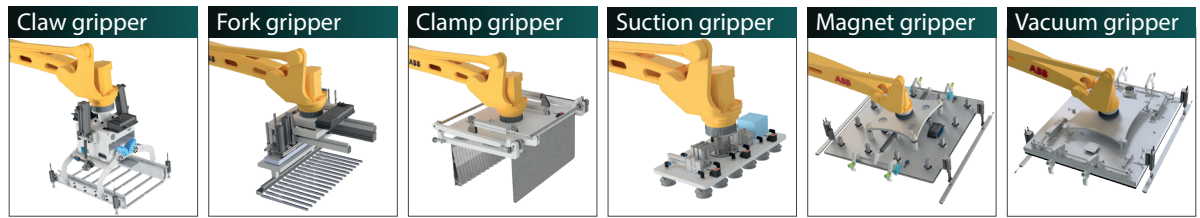
Adaptable configuration for your industry and product range



ROBOT GRIPPERS

In-house development and qualification

Standard
gripper



Trays without foil		✓			
Trays with foil		✓	✓		
Boxes		✓	✓	✓	
Bags	✓				
Buckets				✓	
Bottles					✓
Jars					✓
Aluminium cans					✓
Steel cans				✓	✓

PALLETIZING

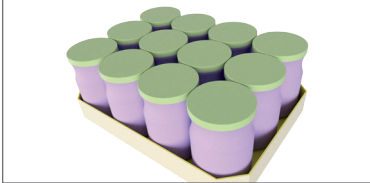
DEPALLETIZING

PALLETIZING

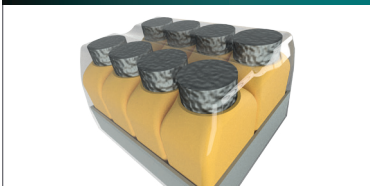
Standard
robot cell

Input

Trays without foil



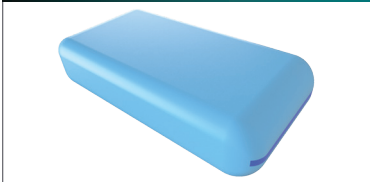
Trays with foil



Boxes



Bags



Buckets

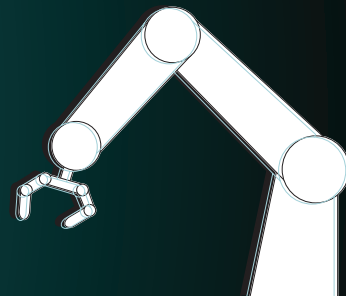


Performance

- ✓ Up to 25 trays per minute
- ✓ Up to 12 bags per minute
- ✓ Pallet sizes up to 1,000 x 1,200 mm
- ✓ Placement of interlayer cardboard
- ✓ Pallet magazine is optional
- ✓ Transportation to foil wrapping of pallets is optional
- ✓ Only takes up 3x5 metres

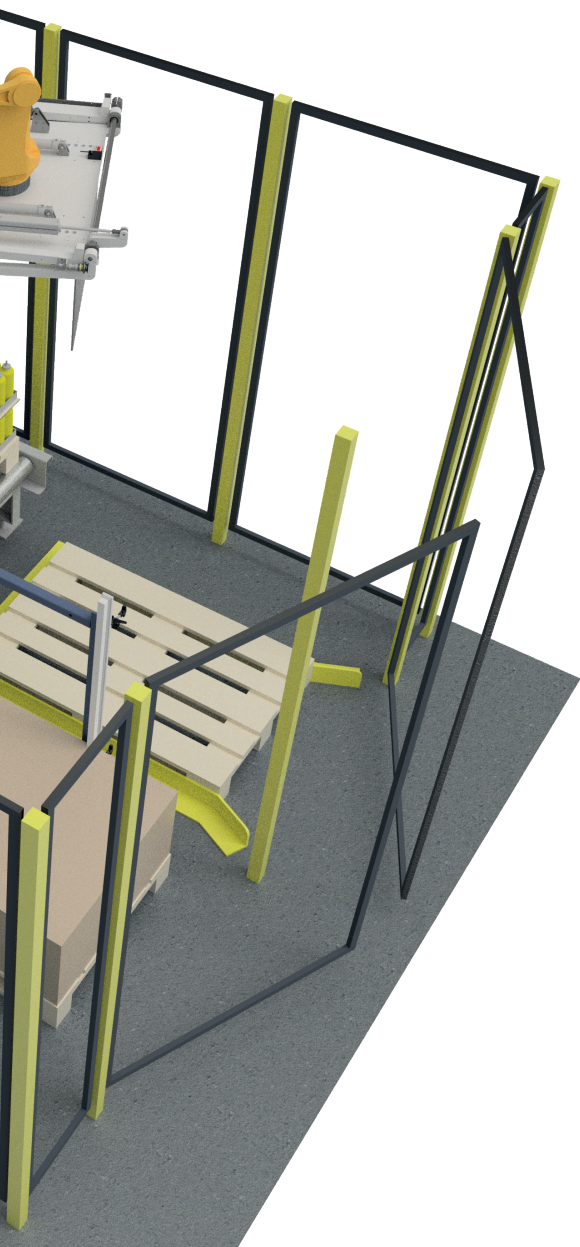


From DKK 750,000



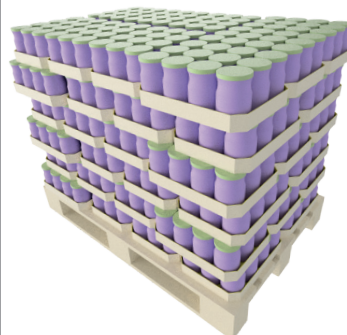
Deliverables

- Robot ABB IRB 460
- Standard gripper
- In-line
- Pallet fixing
- Control panel
- Controller
- Safety fence
- System development
- Project management
- FAT (Factory Acceptance Test)
- Documentation
- Ex works

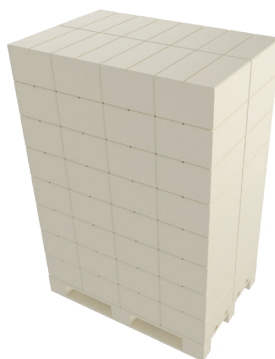


Output

Pallet with trays w/wo foil



Pallet with boxes



Pallet with bags



Pallet with buckets



Our references

System at Orkla Foods Danmark



System at Tulip Food Company



System at Danrice



System at Teknos



DEPALLETIZING

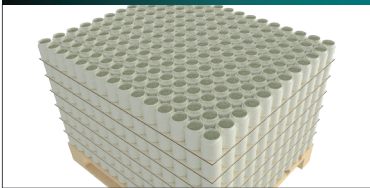
Standard
robot cell

Input

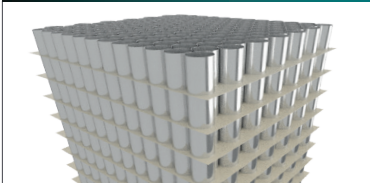
Bottles



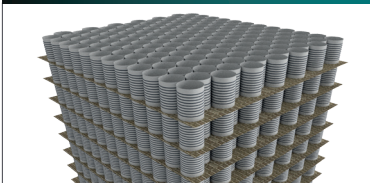
Jars



Aluminium cans

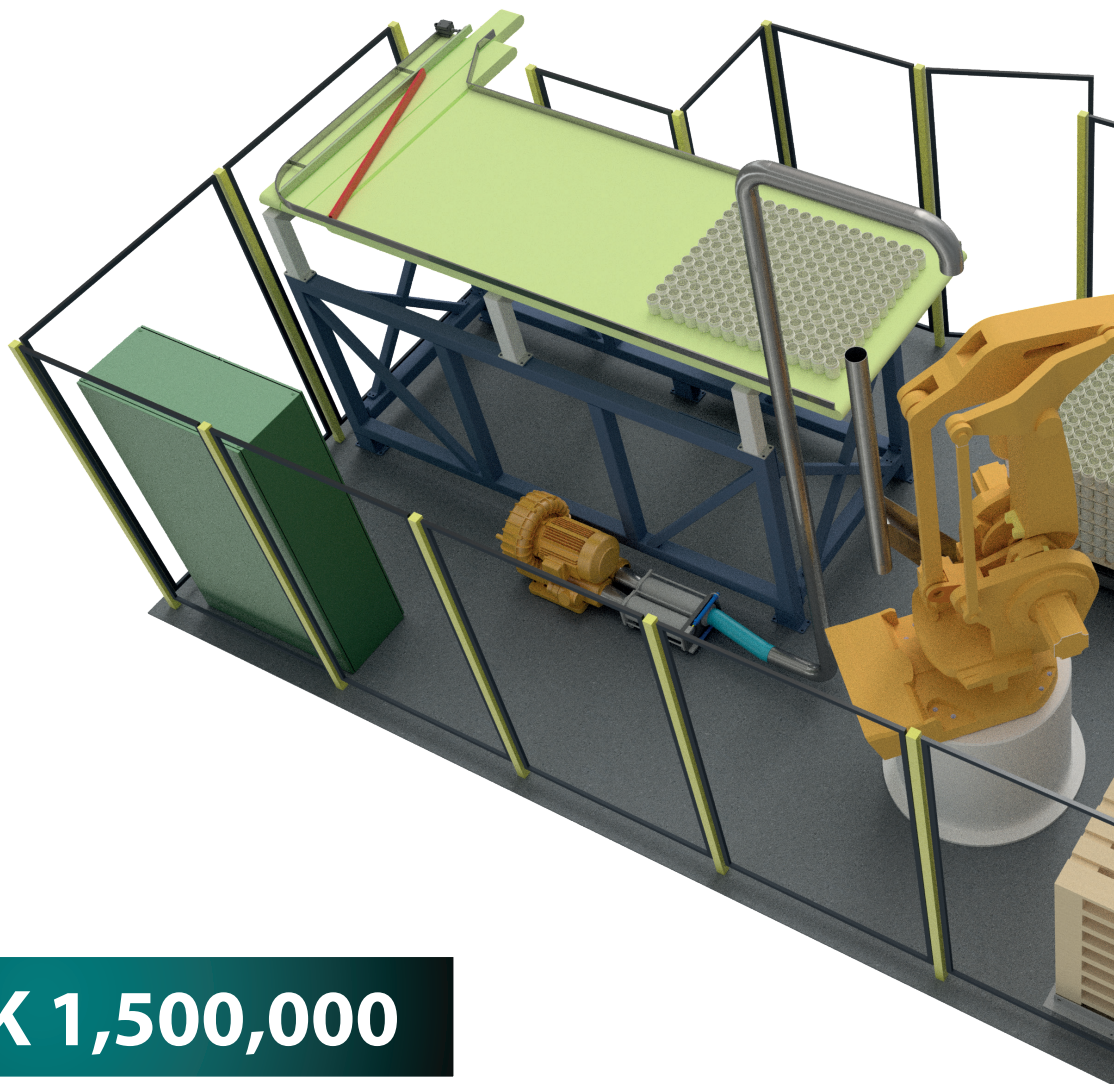


Steel cans

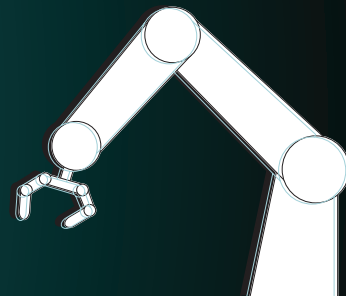


Performance

- ✓ Separation table handles up to 18,000 bottles per hour
- ✓ 300 bottles per pick-up
- ✓ Pallet sizes up to 1,350 x 1,200 mm
- ✓ Removal of interlayer cardboard
- ✓ Sorting of pallets
- ✓ Monitoring of pallets and delivery table for overturned bottles
- ✓ Expanded buffer function both in-lane and out-lane

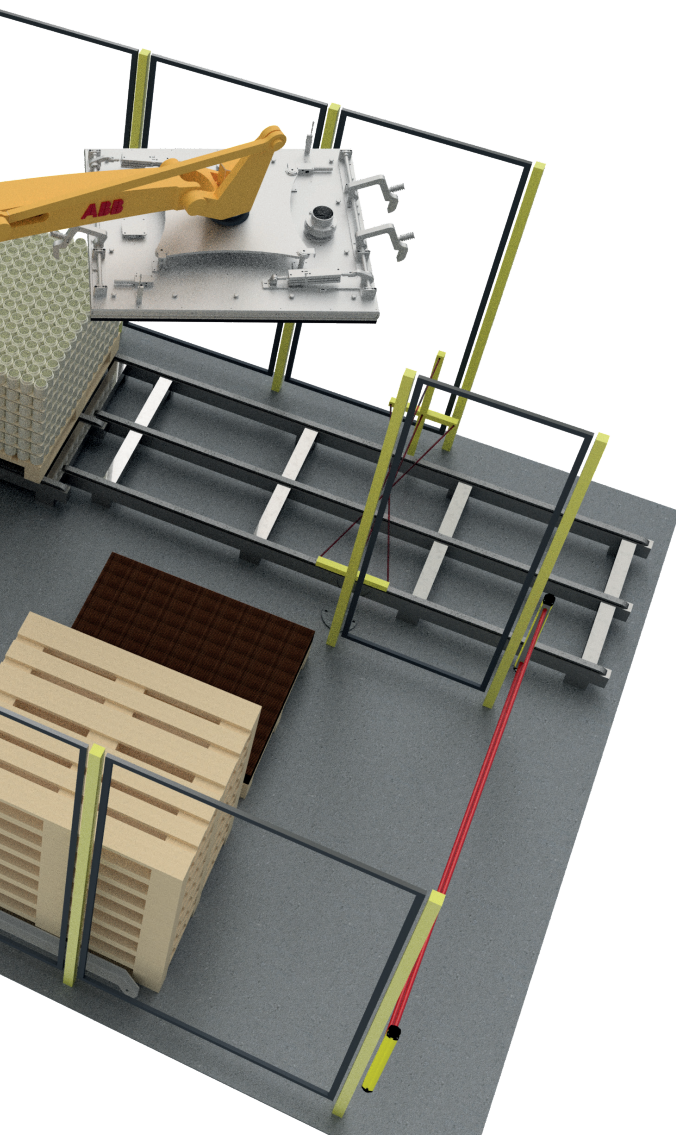


From DKK 1,500,000



Deliverables

- Robot ABB IRB 660
- Standard gripper
- Separation table
- In-line
- Pallet fixing
- Control panel
- Controller
- Safety fence
-
- System development
- Project management
- FAT (Factory Acceptance Test)
- Documentation
- Ex works

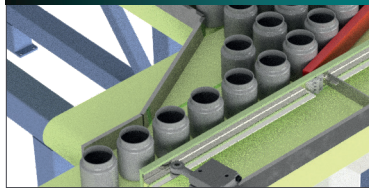


Output

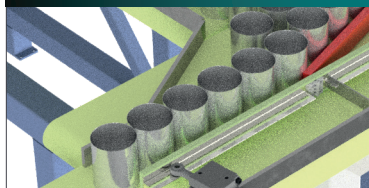
Individual bottles



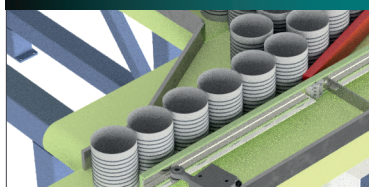
Individual jars



Individual aluminium cans

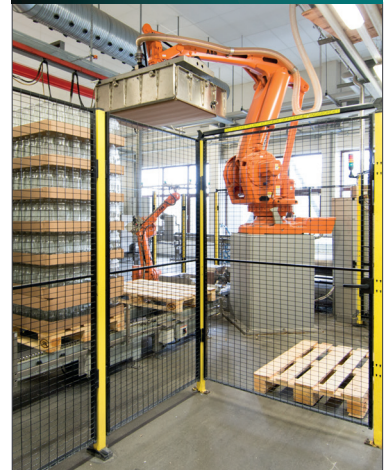


Individual steel cans



Our references

System at CO-RO



System at Orkla Foods



System at Orkla Foods

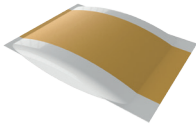


Input

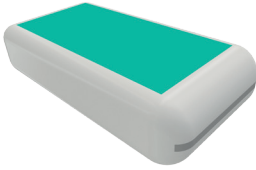
Bags 100 g



Bags 1,000 g



Bags 5,000 g

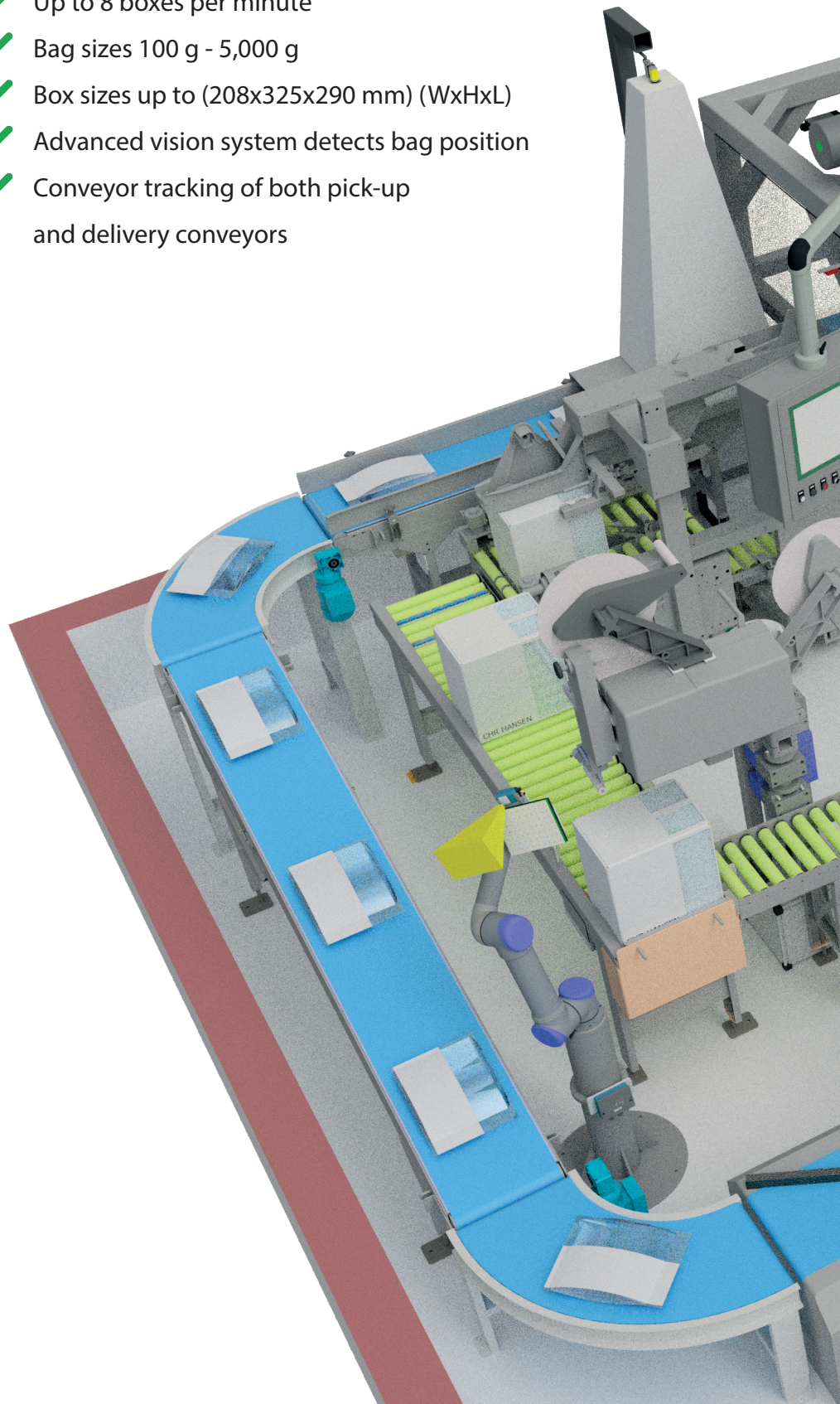


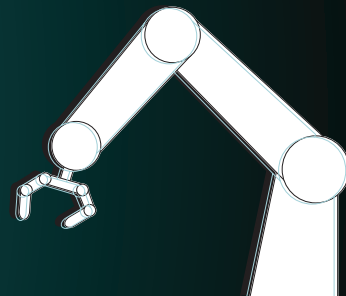
Performance

- ✓ 50 bags per minute
- ✓ Up to 8 boxes per minute
- ✓ Bag sizes 100 g - 5,000 g
- ✓ Box sizes up to (208x325x290 mm) (WxHxL)
- ✓ Advanced vision system detects bag position
- ✓ Conveyor tracking of both pick-up and delivery conveyors

Deliverables

- Robot
- Standard gripper
- Case erector
- Case sealer
- Vision system
- Conveyor tracking
- Primary PLC
- User interface
- Labelling machine
- In-line
- Control panel
- Safety fence
- System development
- Project management
- FAT (Factory Acceptance Test)
- Documentation
- Ex works



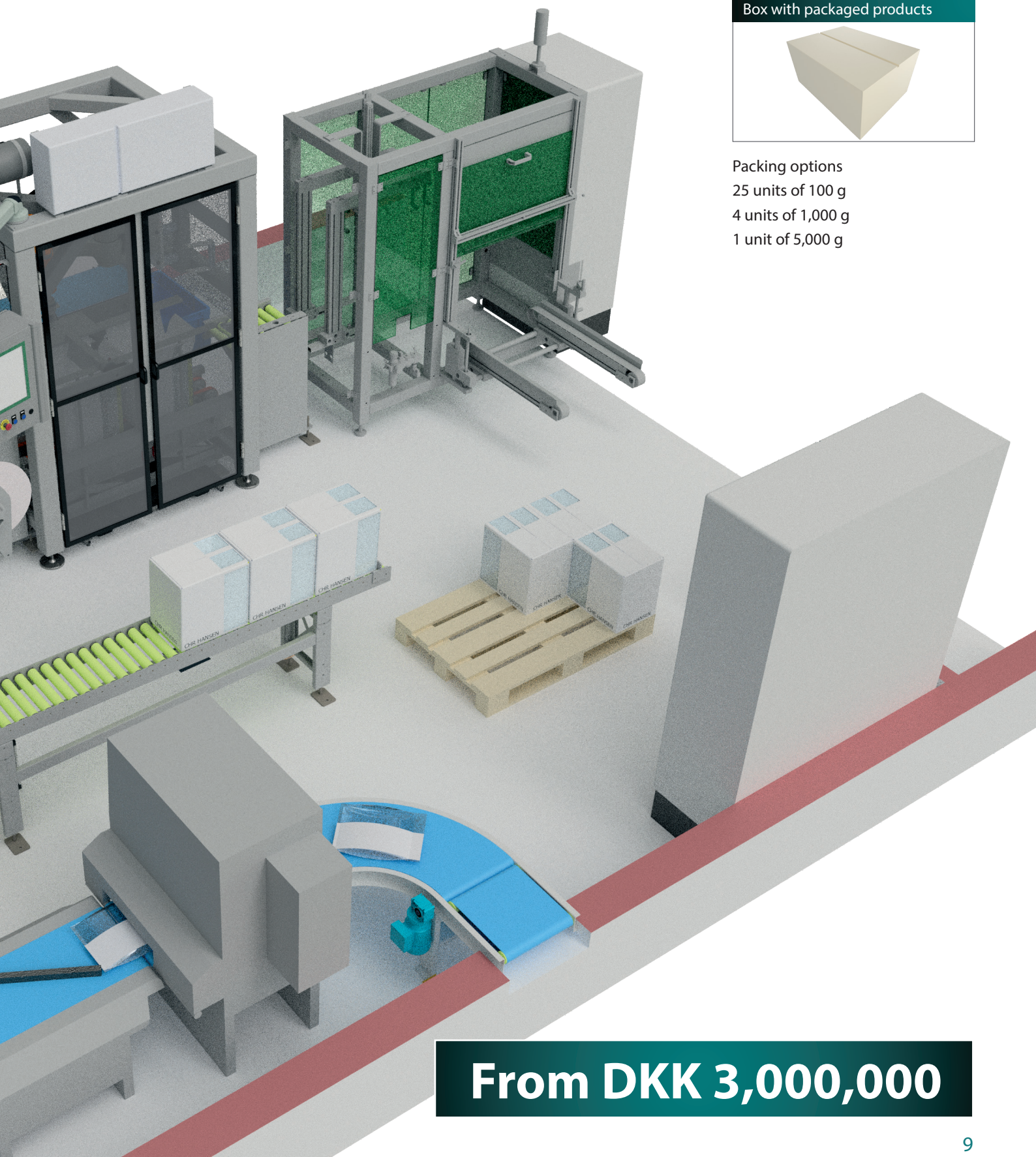


Output

Box with packaged products



Packing options
25 units of 100 g
4 units of 1,000 g
1 unit of 5,000 g



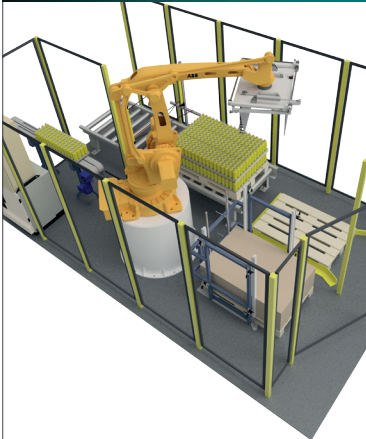
From DKK 3,000,000

AVAILABLE OPTIONS

For standard robot system

Available options

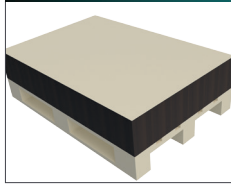
Standard palletizing system



Pallet store



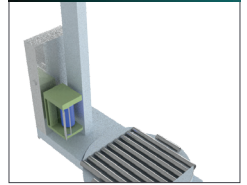
Cardboard sheets



Cardboard Palcut



Foil wrapper



Labelling machine



Case sealer



Metal detector



AGV



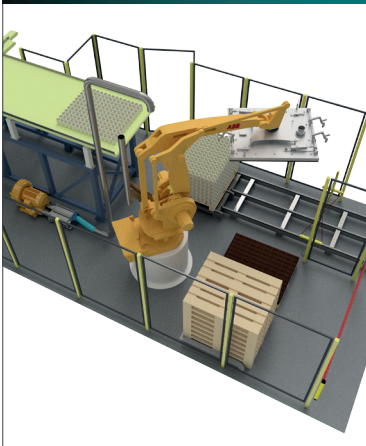
Transfer trolley



Aut. tool change



Standard depalletizing system



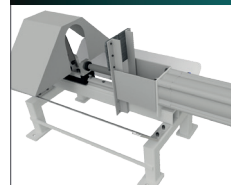
AGV



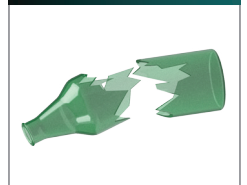
Transfer trolley



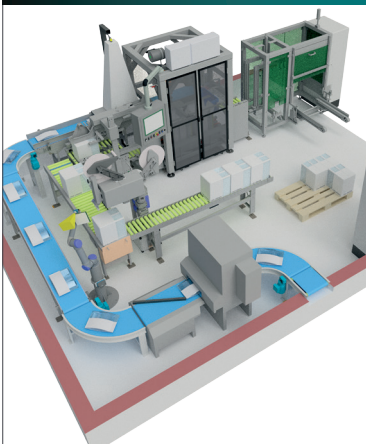
Cardboard cutter



Remove broken glass



Standard packing system



Metal detector



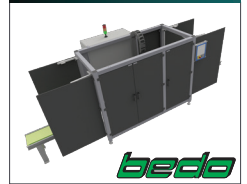
Wrap-Around



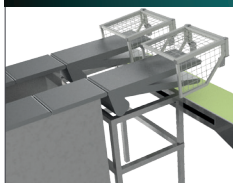
Case erector



Case sealer



Control weighing



Labelling machine



Aut. tool change



SERVICE & SUPPORT CONCEPT

24/7/365 focus on system run-time



Response readiness

- Hotline, telephone, VPN
- GSM monitoring
- Web-cam
- Support visit

Prevention

- Inspection
- Inspection based maintenance
- Systematic maintenance
- GSM monitoring

Optimizing

- New features
- Programme changes
- Technology improvement

We are always available

- Response time 4 hours
- Day shift 07:00-15:00
- Evening shift 15:00-23:00
- Night shift 23:00-07:00
- Holidays and weekends
- Response readiness in weeks 28, 29, 30, 51, and 52 by agreement.

RoboTool on your phone

Spell ROBOTool on your phone and call us! This connects you with our 24/7/365 number +45 7626 8665. Call ROBO TOOL!



***We make sure that your system is optimized.
It must to run like a clock-work - 24/7/365!***

DIALOGUE ON AUTOMATION?

We are ready to discuss your next robot project



Leif Thomsen, Managing Director

20 years of experience leads to reliability

RoboTool has been developing intelligent robot systems and automation solutions for domestic and foreign customers for more than 20 years. We specialize in packing, palletizing, and depalletizing - and we are highly motivated in working with challenging products. We are now launching a range of standard robot systems in which we have implemented the best experience from our special projects.

The concept is simple. The system is modular, including a standard gripper, a standard robot cell, and available options. These combine to provide a reliable automation solution with a good payback period (ROI). Our standard system can be configured for your industry and product range.

Why choose a standardised robot system?

- Tried and tested concept
- High productivity and running time
- Can be configured for your product range
- Low price and short payback period (ROI)

ROBOTool[®]

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RoboTool
Profile video



GET YOUR ROBOT CHECK!

We would like to invite you to a discussion about your production needs, so that we may give you specific suggestions on which processes to optimize and automate with robots. This gives you a solid basis for decision-making. Contact us by mail@robotool.com or by phone +45 7697 8888.

GET 7 PIECES OF ADVICE!

Receive a PDF with 7 pointers on the implementation of robots in your company. Email us at mail@robotool.com and we will reply ASAP.