

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).

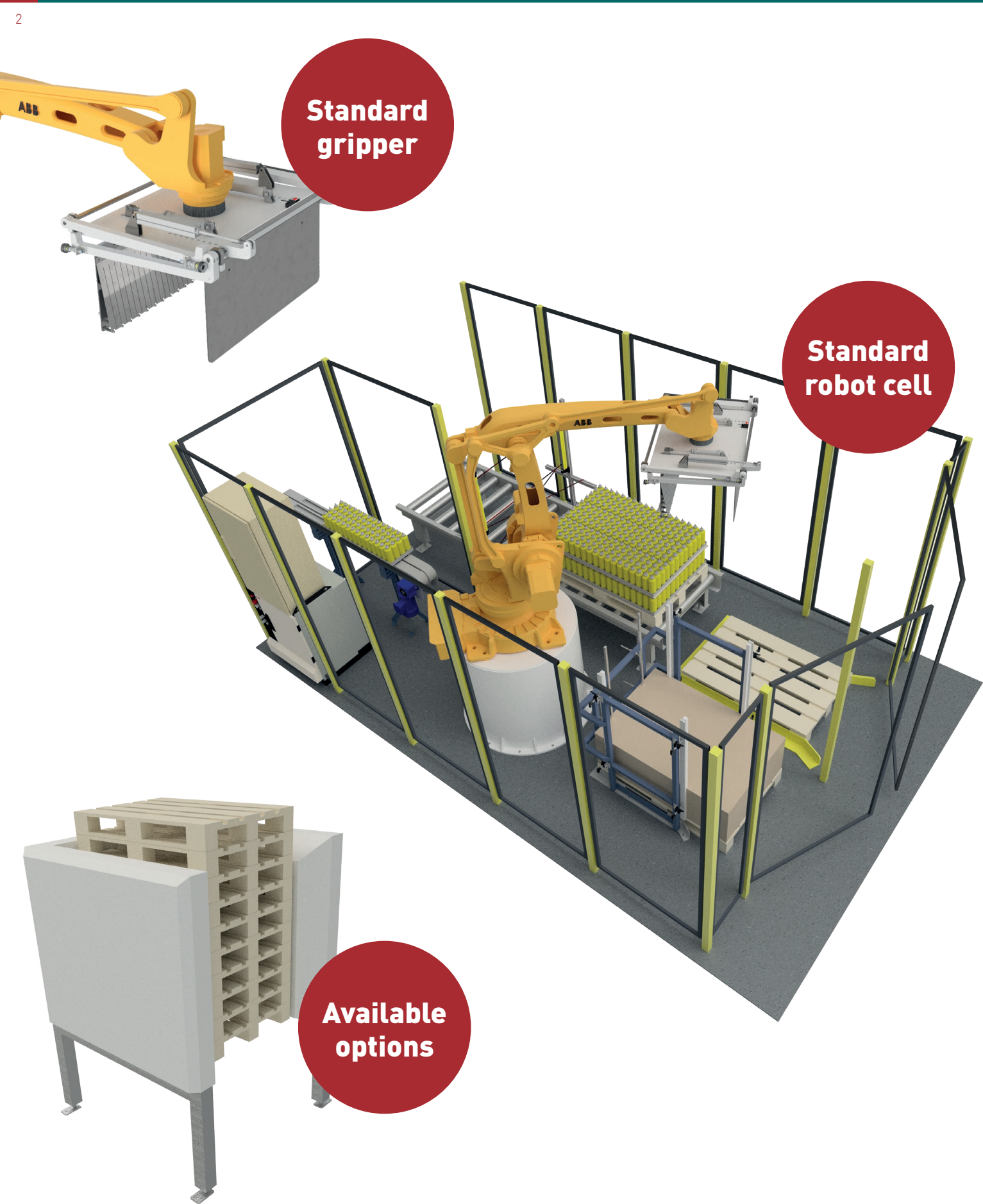
ROBOTTOOL

Standard robot system

Configuration for your industry and products

Robot grippers

In-house development and qualification



3

	Claw gripper	Fork gripper	Clamp gripper	Suction gripper	Magnet gripper	Vacuum gripper
PALLETIZING						
	Trays without foil	●				
	Trays with foil	●	●			
	Boxes	●	●	●		
	Bags	●				
	Buckets			●		
DEPALLETIZING	Bottles					●
	Jars					●
	Aluminium cans					●
	Steel cans				●	●

Palletizing

Standard robot cell

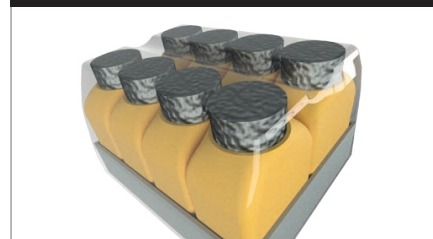


Input

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

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

ROBOTool

Output

Pallet with trays w/wo foil



Pallet with boxes



Pallet with bags

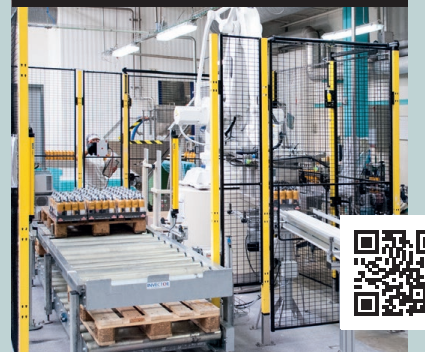


Pallet with buckets



Our references

System at Orkla Foods Danmark



System at Tulip Food Company



System at Danrice



System at Teknos

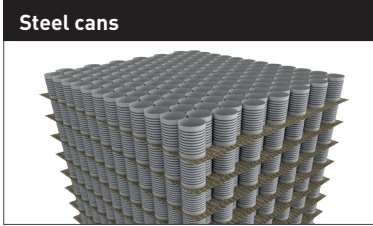
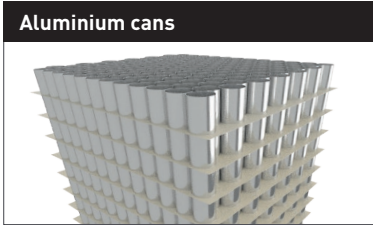
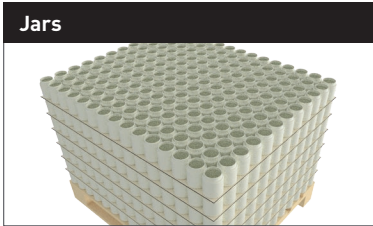


Depalletizing

Standard robot cell



Input



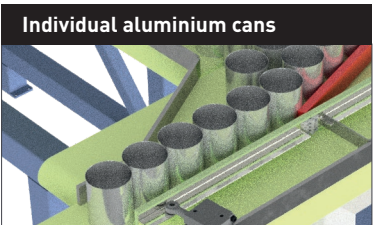
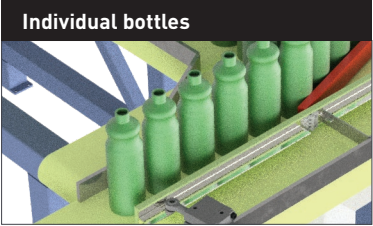
Deliverables

- 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

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

Output



Our references



Packing

Standard robot cell

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

Input

Bags 100 g



Bags 1,000 g



Bags 5,000 g



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

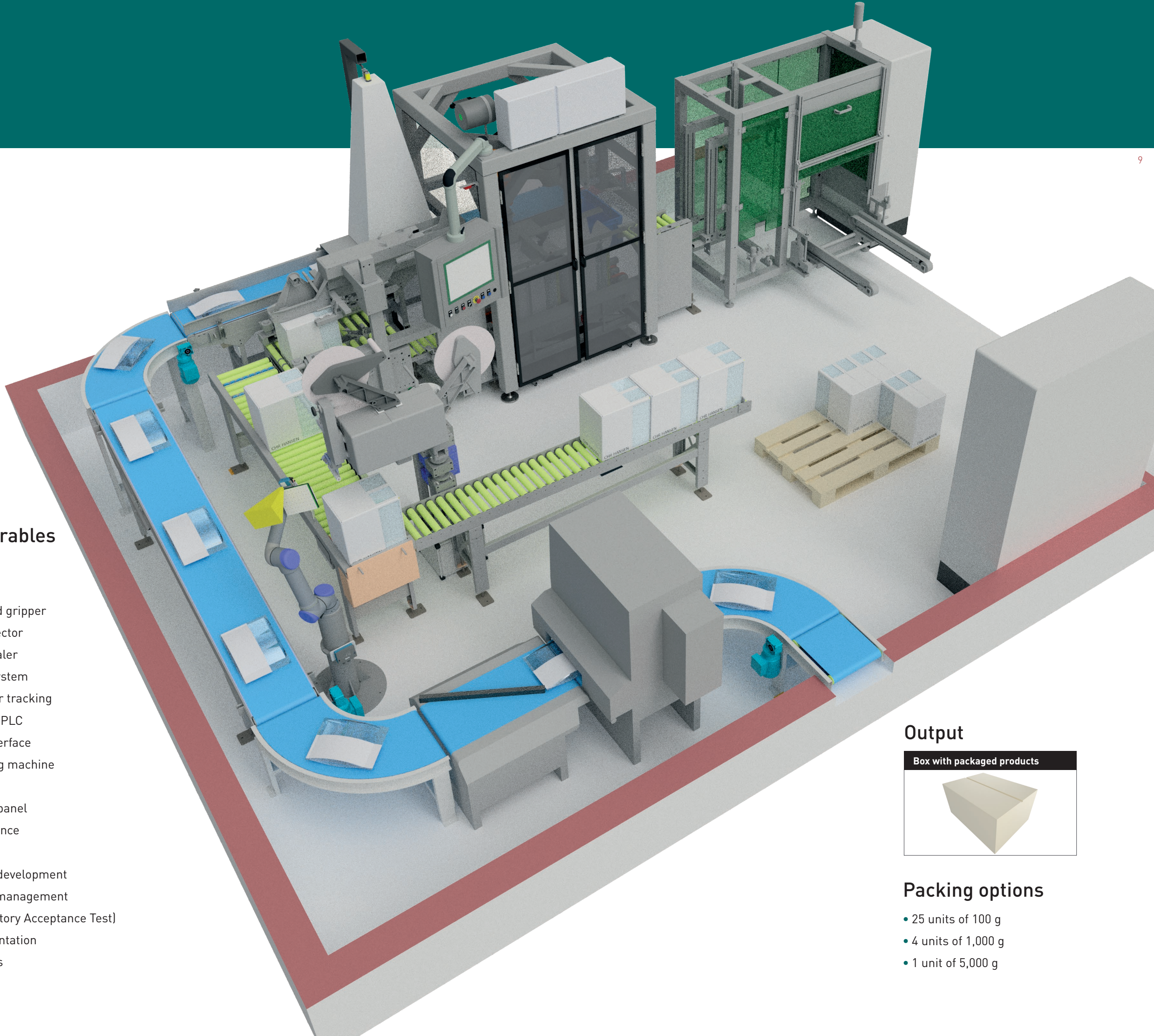
Output

Box with packaged products



Packing options

- 25 units of 100 g
- 4 units of 1,000 g
- 1 unit of 5,000 g

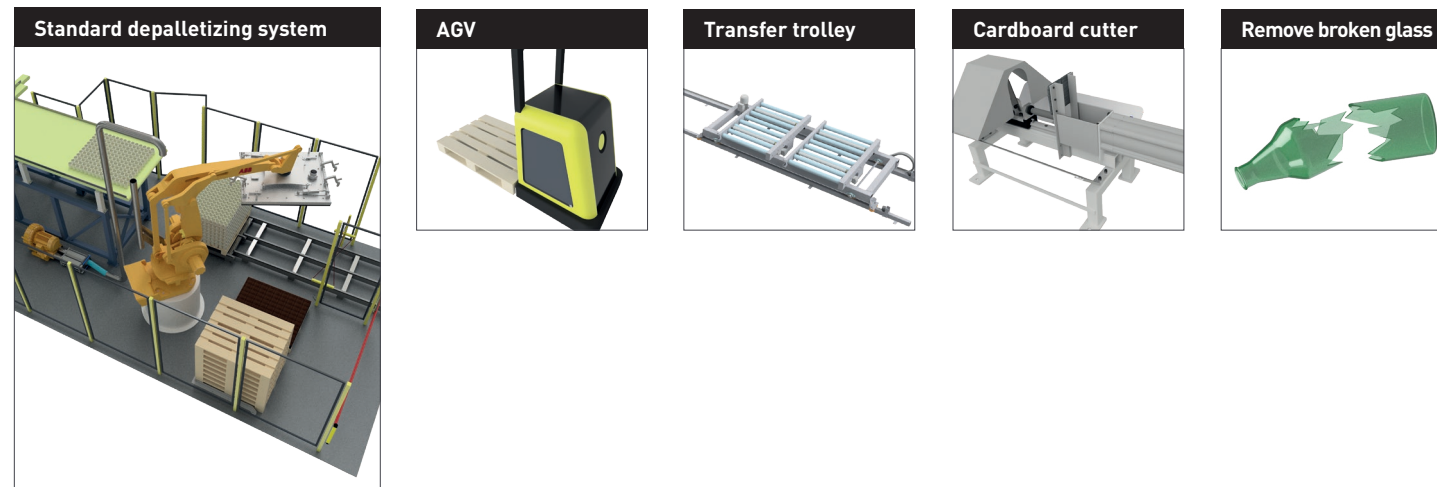
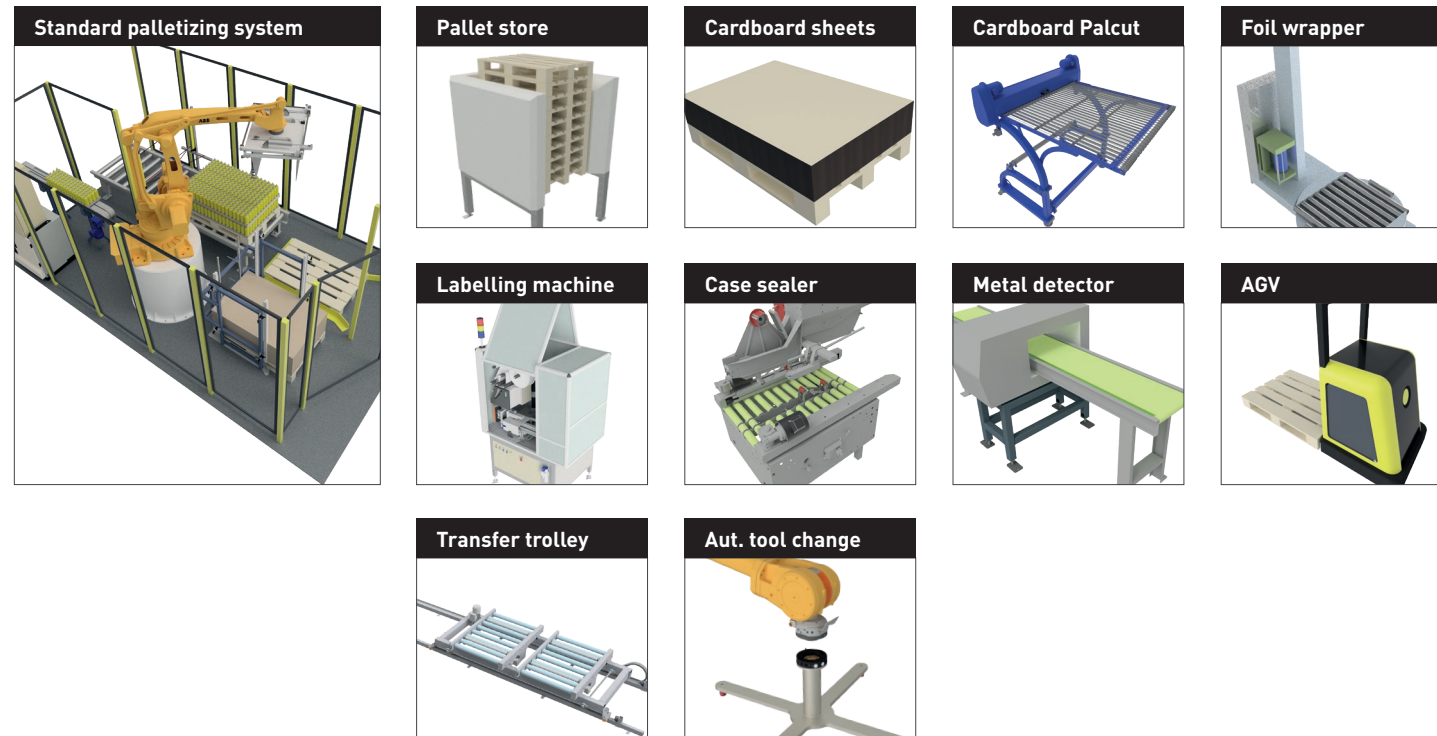


Available options

For standard robot system

Service & Support

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.

We make sure that your system runs like a clock-work



Spell ROBOT00L on your phone and call us! This connects you with our 24/7/365 number +45 7626 8665. Call ROBOT00L!

DIALOGUE ON AUTOMATION?

We are ready to discuss your next robot project

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.

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.



Leif Thomsen, Managing Director

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.

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
Profile video



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