BRIXX® - AUTOMATE YOUR PACKING OPERATIONS
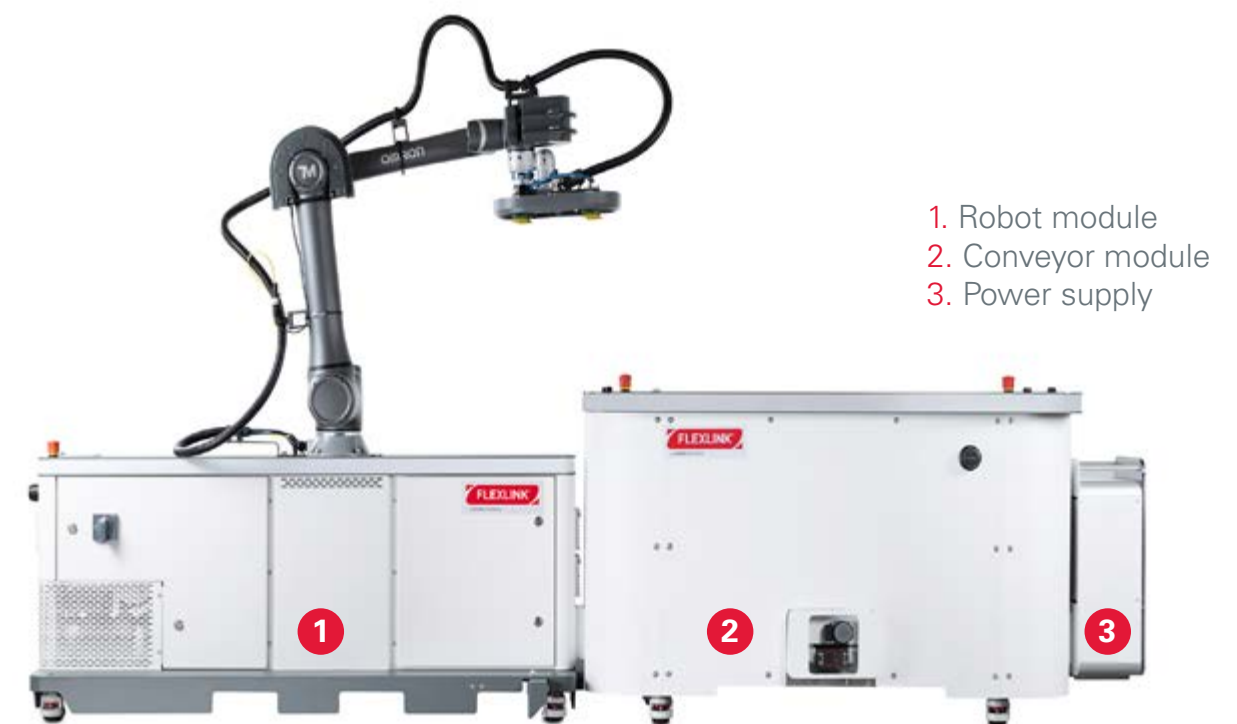
FLEXLINK®

a **coesia** company

AUTOMATE YOUR PACKING OPERATIONS

BRIXX® is a new, modular, click-and-play solution based on an intuitive software to reduce the manual operations and allow quick transformations for co-packing lines. Based on advanced, mobile conveyors and robots to automate manual repetitive packing and co-packing processes.

This unique design by FlexLink is a solution to automate currently manual packing operations through a flexible system adapting to the variability of products, packs, cartons, or trays. It is scalable according to production capacity needs, affordable and easy-to-use.

It is controlled by an intuitive software for line design and operations, as well as fleet management allowing to manage seasonal peak productions.

1. Robot module
2. Conveyor module
3. Power supply

PACKING CHALLENGES

Today consumers expect **higher differentiation and personalization** possibilities for their products, resulting in a higher number of **SKUs** that must be produced and delivered in a vast range of formats. The outcome is growing challenges that affect not only manufacturers and brand owners but those service providers executing activities such as packaging, co-packing, warehousing, and intra-logistics-especially during seasonal peaks. Additionally, **resource shortage and increased costs** call for new solutions to **automate operations, free up employees and increase efficiency**.

APPLICATIONS

The flexible combination of BRIXX® modules enables a wide range of operations with the same hardware and software. Productions companies or co-packers can automate product transformations such as **pick-and place, mixing, labeling, re-labeling, palletizing or de-palletizing** for increased productivity and efficiency.
More product transformations, such as **case forming, tray forming, and carton closing** are optionally available.

CONVEYOR AND ROBOT MODULES

- Safe, clean and ergonomic design
- Easy to move, to connect and powering
- Large variety of product handling applications
- Visual indication of operational status
- Collaborative robot without programming needs
- Vision system embedded and automatic calibration
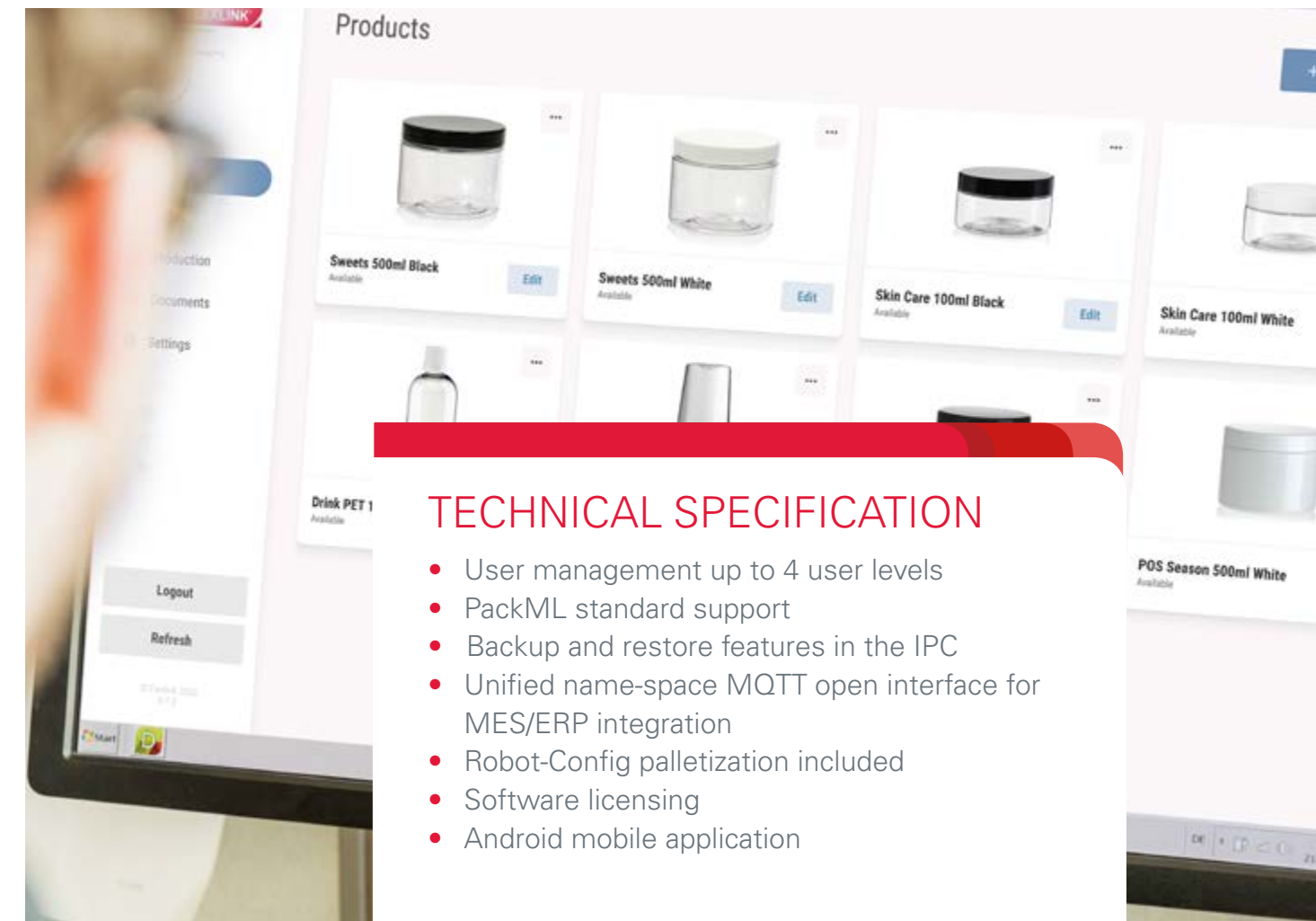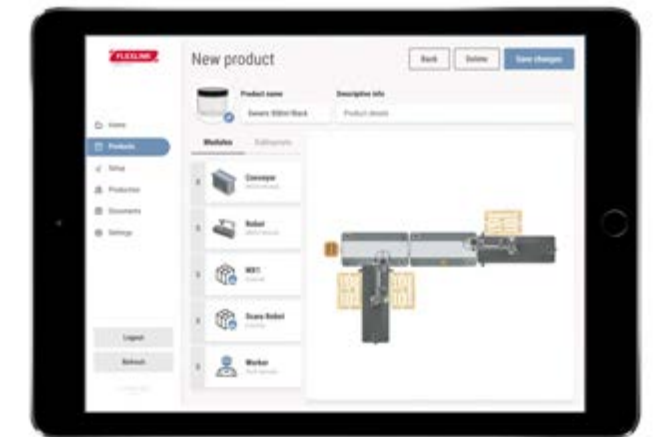- Single power connection for multiple modules

TECHNICAL SPECIFICATION

- Single or multi pick vacuum gripper
- Control cabinet with 3-phase 400 VAC power supply
- Integrated vacuum generation
- Quick relocation with docking station
- Pallet height up to 1.8 m
- Conveyor length 1.5 m
- Footprint less than 10 m^2

BRIXX® SOFTWARE

- Intuitive built-in SKU management with selector guide
- Drag and drop functionality for easy layout design
- Step-by-step visual instruction for line configuration
- Real-time production monitoring with OEE indicators and alarms
- Remote assistance packages available
- Preventive maintenance planning integrated in the HMI

TECHNICAL SPECIFICATION

- User management up to 4 user levels
- PackML standard support
- Backup and restore features in the IPC
- Unified name-space MQTT open interface for MES/ERP integration
- Robot-Config palletization included
- Software licensing
- Android mobile application

WHY BRIXX®?

Easy-to-operate

BRIXX® is based on an intuitive software for easy and fast layout design. The conveyor and robot modules can be unplugged and re-arranged according to new layouts. The changeover and programming of new lines can be done in only a few minutes.

High flexibility

Several product transformations are possible with the same system. It can be integrated or added to packing stations or machines. Additional hardware accessories (e.g., vision control, grippers) give an extended functionality for the applications to handle a wide range of products.

Wide Scalability

The BRIXX® system can be extended by adding more modules to allow the adaption to seasonal peak times. Complete line layouts can be cloned to increase the throughput.

STANDARD APPLICATIONS

Applications	Product capacity (PPM*)	Product weight (kg)	Product size (WxLxH in mm)
Palletizing (single pick)	Up to 8	Up to 10	Up to 400 x 400 x 300
Palletizing (double pick)	Up to 12	Up to 10	Up to 400 x 400 x 300
De-palletizing	Up to 6	Up to 10	Up to 400 x 400 x 300
Pick and Place (single pick)	Up to 10	Up to 10	Up to 400 x 400 x 300
Labeling & Re-labeling	Up to 15	Up to 10	Up to 150 x 300**
Product mix	Case by case evaluation	Case by case evaluation	Case by case evaluation

OPTIONAL APPLICATIONS

Applications	Product capacity (PPM*)	Product weight (kg)	Product size (WxLxH in mm)
Case forming	Up to 10	Up to 0,5	Up to 400 x 400 x 400
Tray forming	Up to 8	Up to 0,5	Up to 300 x 400
Carton closing	Up to 15	Up to 30	Up to 400 x 400 x 300

* Products Per Minute
** Label dimensions

coesia

86 PRODUCTION PLANTS in 141 OPERATING UNITS

36 COUNTRIES

8,000+ EMPLOYEES

21 COMPANIES with HEADQUARTERS in 8 COUNTRIES

● COESIA GLOBAL PRESENCE

coesia

Coesia is a group of innovation-based industrial solutions companies operating globally, headquartered in Bologna, Italy.

Coesia's companies are leaders in the sectors of:
• **Advanced automated machinery and materials**
• **Industrial process solutions**
• **Precision gears**

Coesia's customers are leading players in a broad range of industries, including Consumer Goods, Tobacco, Healthcare, Aerospace, Racing & Automotive and Electronics.

www.coesia.com

FLEXLINK®

a **coesia** company

www.flexlink.com