



Innovative technology
and products for the
packaging industry

PERFECTION IN AUTOMATION
A MEMBER OF THE ABB GROUP



Your automation partner

Vertical form fill sealers



Horizontal form fill sealers



Cartoners



Shrink wrappers



Palletizers



for the packaging industry



Forming and filling



Bottling



Blister packing



Sleevers and labelers



Inspection technology



reACTION
TECHNOLOGY

Beverages and liquid foods

Increasing product variation demands on-the-fly production changeovers.

- Stainless steel HMI panels with hygienic design
- Microsecond precision for both gravimetric and volumetric filling satisfies the most demanding market requirements
- Field proven real-time communication via slip rings with POWERLINK and openSAFETY
- Safe motion control ensures maximum availability during maintenance operations
- Controlled axis-synchronized stop on power failure

Pharmaceuticals and cosmetics

The comprehensive B&R portfolio meets all the needs of a pharmaceutical packaging line – whether the products are in solid, liquid or powder form and whether they're packaged in blisters, paper, plastic, glass or metal.

- Compliance with FDA 21 CFR Part 11
- Track-and-trace and serialization with real-time integration of machine vision
- Outstanding motion control performance and precision with a minimum sampling time of 50 μ s for the entire controller cascade
- Cabinet-free machine design with B&R ACOPOSmotor



Dry foods

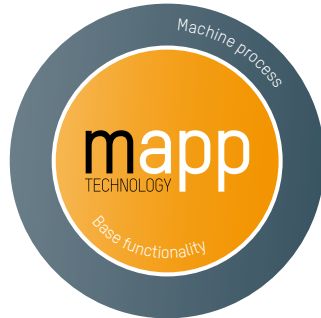
From horizontal and vertical FFS packaging to cartoning and case packers or palletizers and robotics with integrated vision inspection systems – B&R provides the best automation solutions for packaging machines and plants.

- High performance weighing for dosing applications
- Fast and precise registration mark control
- Smart belt synchronization
- Mechatronic machine design with distributed automation solutions
- Stainless steel servo motors with hygienic design
- Advanced integration of robotics in machine control

3x faster development of application software

B&R is revolutionizing the development of application software for automation with mapp technology.

- 3x faster development
- Increased machine availability
- Reduced investment risk
- Lower maintenance costs



Next generation industrial transport technology for packaging

Smart manufacturing operations of the future will be characterized by unprecedented flexibility that enables cost-efficient production of any batch size. This requires collaboration between intelligent subsystems such as smart movers, robots and mechatronic units in packaging machines and lines.

- Complete flexibility of product transport
- Reduced machine footprint and volume
- Efficient production of any batch size
- Seamless transitions between batch and continuous-flow processes

Open standards are vital to success in the packaging industry

The combination of OPC UA and POWERLINK is ideal for integrating devices from different manufacturers as well as the various levels of the automation pyramid to create a single, homogeneous system.



Your automation partner

"B&R provides excellent single-source support to accompany its products and solutions. This helps us minimize engineering expenditures for our highly customized machines and still be able to respond quickly to new trends."



Ulf Leineke
R&D Manager,
Mediseal GmbH

B&R is an integral part of the international packaging community supporting the development of industry standards



OMAC PackML for consistent data within packaging lines

PackML gives all the machines that make up a packaging line a common look and feel and ensures operational consistency

- Part of ISA88 industry standard
- Improved development cycle
- Reduced testing effort
- Consistent control structure for horizontal and vertical integration



for the packaging industry

"The high speeds at which our packaging machines operate make reliable control technology essential. B&R components satisfy the most rigorous industry standards and stand for exceptional quality."

Mike LaPare
Director,
Rose Forgrove, Barry Wehmiller Group

Barry-Wehmiller

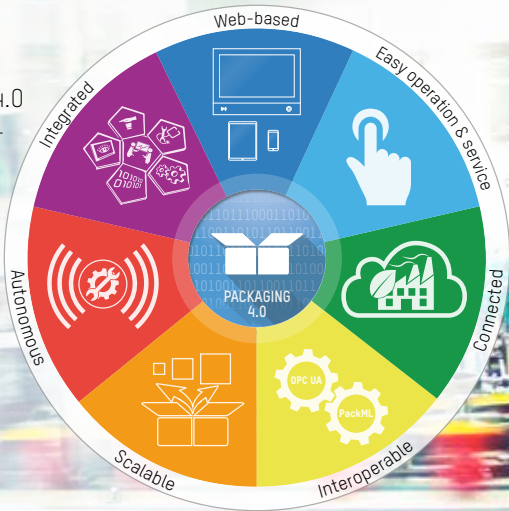
More than 200 OEMs in Primary, Secondary and End of Line packaging machines rely on B&R Automation



B&R meets the demands of Packaging 4.0

In pursuit of the smart, connected factory of the future, Packaging 4.0 embraces automation, communication and manufacturing technologies – paving the way for a new industrial revolution.

- ➔ Modern web technologies for intuitive machine operation
- ➔ Direct web connectivity down to the sensor
- ➔ Vendor independent integrated safety technology
- ➔ Seamless communication and uniform look and feel across multi-vendor packaging lines



Integrated automation
Global presence
Solid partnership



ETHERNET 
POWERLINK

open 
SAFETY