

# HERE IT IS:

## *Crate fill-level monitoring of the latest generation.*

**Produce today with the technology of tomorrow.**

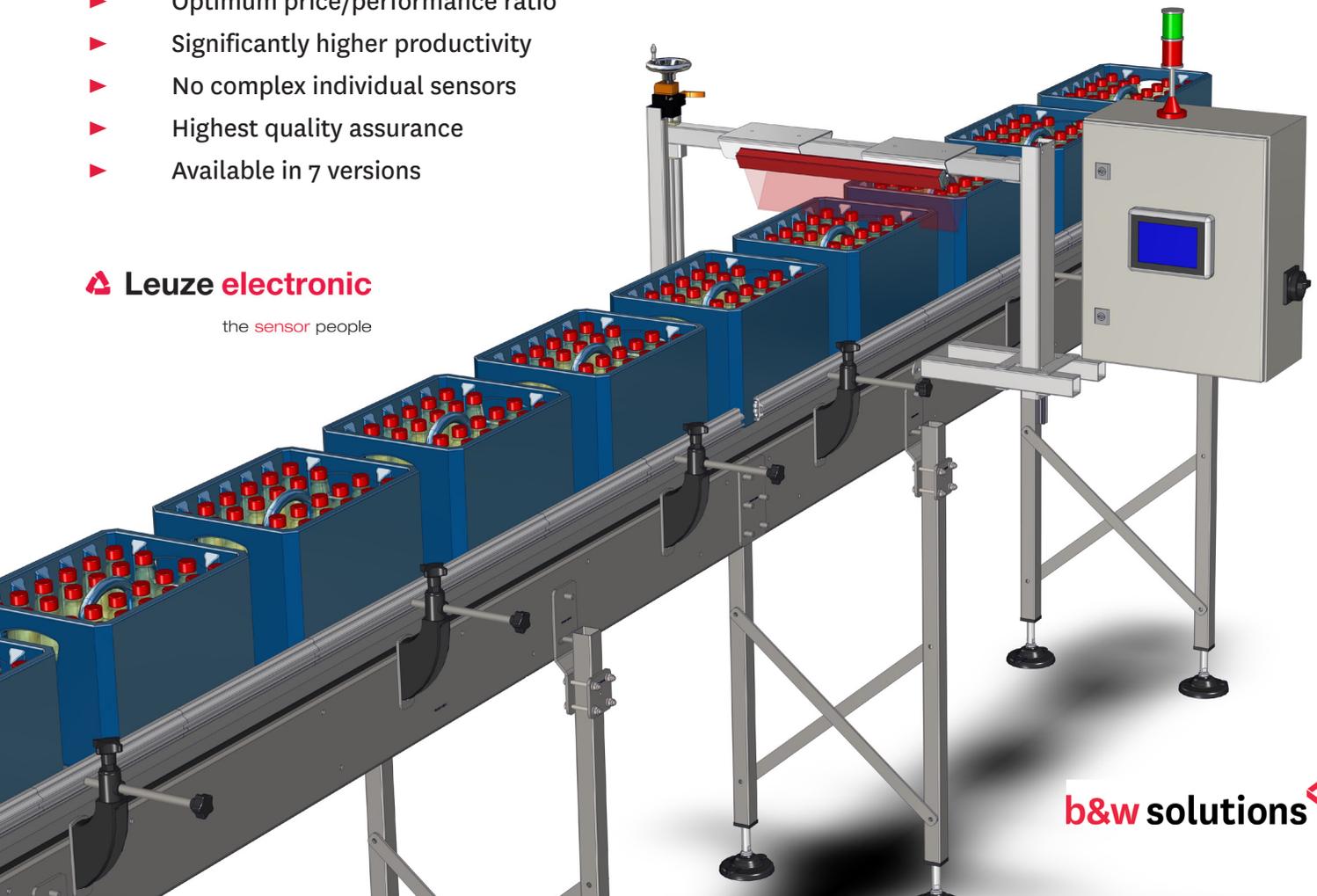
Our crate fill-level monitoring system works with measuring light curtains, which are used as sensors. Required software routines are programmed in the measuring system for operating the overall system. The individual sensors are replaced by light curtains. Developed by professionals, for professionals.

**In collaboration with our partner Leuze electronic, the world market leader in the field of photoelectric sensors in 2017.** The clever ones already know; one buys good systems and machines in Bietigheim.

You can look forward to patented outstanding performance:

- ▶ Evaluation based on the PalScan 3D XE controller measuring system
- ▶ Shipment completely installed and function-tested
- ▶ Automatic teach-in of the beverage crates used
- ▶ Type-independent and more stable production
- ▶ Improved traceability of error causes
- ▶ Made in Bietigheim by b&w solutions
- ▶ Light curtains from Leuze electronic
- ▶ Software routines are programmed
- ▶ Optimum price/performance ratio
- ▶ Significantly higher productivity
- ▶ No complex individual sensors
- ▶ Highest quality assurance
- ▶ Available in 7 versions

 **Leuze electronic**  
the **sensor** people

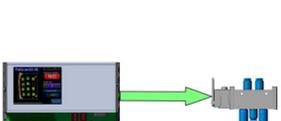
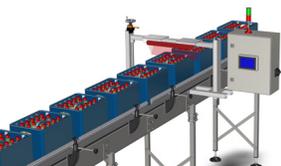


**b&w solutions** 

# 7 OPTIONS

## Everything you need to know

Don't run after your production, lead it with a strong hand. Our crate fill-level system will spare your nerves and save you time every day. That can amount to weeks over the years. And that is exactly your economic benefit. **Patented technology, very simple operation and maximum cost effectiveness.** This is what constitutes good systems and machines. Seven upgrade levels for your production – you have the choice:

	<p><b>Basic system</b></p> <p>Crate types are selected manually on the controller. The following features are included: Mechanism for light curtains, manual height adjustment, adjustment for different widths (of the transporters), controller PalScan3D XE, TCP interface for signal to PLC (IO and NIO crates). Design in powder-coated steel or optionally in stainless steel.</p>
	<p><b>Option 1</b></p> <p>Basic system including control cabinet in powder-coated steel or optionally in stainless steel with power supply, fuse, power outlet and main switch. Type selection on the controller.</p>
	<p><b>Option 2</b></p> <p>Basic system + option 1 including large controller display on the control cabinet door with type selection directly on the display.</p>
	<p><b>Option 3</b></p> <p>Basic system + option 1 including additional optical signaling with indicator light. Function: Green = system on/ready to operate – Red = NIO crates</p>
	<p><b>Option 4</b></p> <p>Basic system including pusher control with direct signal to the pneumatic valve. Time-controlled. Monitoring photo-electric sensor; crates on the pusher.</p>
	<p><b>Option 5</b></p> <p>Signal exchange TCP and type selection via PLC as well as automatic height adjustment by a servo motor.</p>
	<p><b>Option 6</b></p> <p>Signal exchange via PROFIBUS.</p>
	<p><b>Option 7</b></p> <p>Basic system including logging of number of detected crates, the number of crates with missing bottles, position of the missing bottles and detection of horizontal bottles.</p>