

A close-up, high-angle photograph of a Bizerba CWE-Dry Checkweigher scale. The image shows the intricate mechanical components of the weighing system, including a cylindrical metal housing and a perforated metal plate with several small circular openings. The background is slightly blurred, showing a white control panel with a red and yellow emergency stop button and a blue label. The overall lighting is bright and clean, emphasizing the precision and industrial nature of the equipment.

BIZERBA

■ ... closer to your business

■ Top Quality Assurance ...

... Bizerba CWE/CWE-Dry Checkweigher

The new CWE Checkweighers from Bizerba can be calibrated to optimize the quality assurance of pre-packed, pre-weighed foods. As part of a system they control packaging flow by classifying and sorting products based on a weight class either legally defined or defined by the user.

Optimal efficiency with increased precision ...

And even more: full documentation of the recorded production data is available digitally or on paper.

Record-breaking Food Packaging?

Depending on the packaging, environment and customer-specific requirements, the Bizerba CWE systems manage a belt speed of up to 120 meters/min for weights between 10g and 15,000g. Cleaning the quick-change belt system, designed by Bizerba, is uncomplicated. No detail has been neglected. All assembly parts are made of stainless steel, comply with the newest electrical safety regulations IP 65 (CWE-Dry IP 54) and meet the highest demands for simple maintenance, safety and usage. The CWE's are the first checkweighers to have been authorized based on the Measuring Instruments Directive (MID) 2004/22/EG. This makes Bizerba Service the ideal partner for the whole process: from the first on-site commissioning to the final MID conformance evaluation of customer packaging under real operating conditions. The unique 'Teaching Routine' allows products to be added any time later on without a subsequent official calibration inspection. There are no production stoppages, not even to determine the static-dynamic offset of the new packages. The result is a doubling of the flow-rate up to a maximum of 400 packages per minute.



Newly defined modular concept

With their modular construction, the Bizerba CWE systems are fully adaptable in the production lines. For example, the belt direction and transport height can be easily adjusted on-site. Security on investment and planning, beyond the initial installation, is given by integration of metal detection. In addition each type of product has its own optimal cutting system, visual and acoustical signals and tendency control system for the modules connected to the system. And as your requirements change the CWE can change with you: additional peripheral modules for production control or labelling (e.g. the Bizerba InkJet BIJ-C ink jet printer) can be easily integrated into the system. The wide range of possible belt dimensions (150 to 750 mm long and 100 to 400 mm wide) not only offers the unlimited realisation of production line ideas, it also ensures the machine is fit for future applications.

All important data at a glance

The operators, production supervisor and management can access all relevant information via a well-designed monochrome display with the function keys organized on themes, or an optional 12.1" colour touch screen. The range of features includes a digital speedometer, a histogram of the last n packages and a Gaussian distribution. The latter allows intelligent optimization of the Give-away lists. Thanks to the CWE multi-display concept, a number of operating units e.g. for remote display, can be set up at different places along the production line. Short and long term statistics can be viewed, evaluated and stored using the integrated strip printer, a memory card, a USB stick or the Bizerba Software _statistics.BRAIN.



*Quick-change
belt system*



*USB stick and strip printer
for data records*

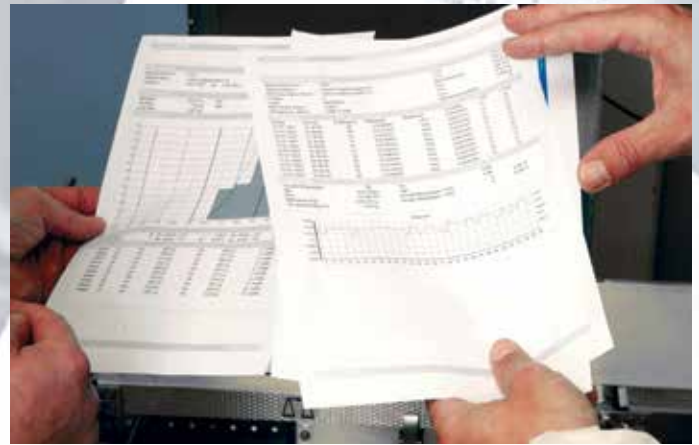
Common operation, data management and software tools are important features of the new CWE Checkweigher series. A service agreement which includes integration consultation, individual maintenance plans and customized solutions means they are optimally combined into the Bizerba network.

BIZERBA CWE

Defining then generating quality ...

Thanks to _statistics.BRAIN, the CWE offers a lot more than the minimum legal requirements. Reports on the random testing for packaging conformity and statistics about materials, machines, batches, shifts and alarm messages, including a time stamp, can be generated. This allows trends and process efficiency to be detected quickly. Your advantages are targeted cost reductions, greater customer satisfaction, few stoppages, more transparency and increased profits.

Printing the data as statistics



*On-line visualization of data
Selective data evaluation and data reporting
Data backup*

Integration
through
modularity

Consulting
and
project processing

Maximum availability
through individual
maintenance concepts

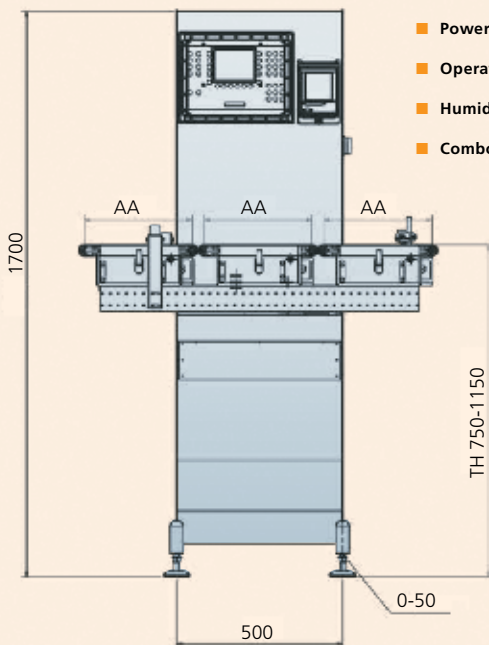
Custom-tailored
software solutions

BIZERBA

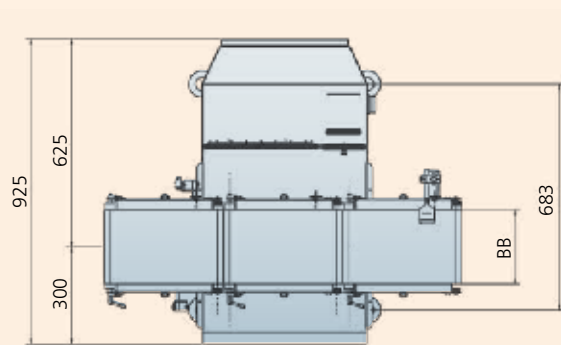
... closer to your business

Statistics print-out

Statistic data	
Number of checked packages N_p	47
Mean value of checked packages \bar{X} -g	103,5g
Standard deviat. checked pkg. S_p	1,2g
Number of accepted packages N_a	47
Mean value of accepted packages \bar{X} -a	103,5g
Standard deviat. accepted pkg. S_a	1,2g
Lightest checked package	102,0g
Heaviest checked package	105,0g
Lightest accepted package	102,0g
Heaviest accepted package	105,0g
Acceptance quota as a percentage	100
Pkgs. between 101 and 102 per unit	0
Total weight of check. packages	4863,5g
Total weight of accepted packs.	4863,5g
Giveaway	89,5g
Giveaway	16x
Giveaway	1,4g



	CWE 1500 Dry	CWE 3000 Dry	CWE 1500	CWE 3000	CWE 6000	CWE 15000
■ Max. weight	600/1500 g	1500/3000 g	600/1500 g	1500/3000 g	3000/6000 g	6000/15000 g
■ Min. weight (MID certified)	10 g/20 g	50 g	10 g/20 g/50 g/150 g	50 g/150 g	150 g	500 g
■ Resolution e	0,2/0,5 g	0,5/1 g	0,2/0,5 g, 0,5 g, 1 g	0,5/1 g, 1 g	1/2 g	2/5 g
■ Display resolution	0,2/0,5 g	0,5/1 g	0,2/0,5 g, 0,5 g, 0,1 g	0,5/1 g, 0,1 g	0,1/0,2 g	0,2/0,5 g
■ Max. speed	50 m/min	60 m/min	170 m/min	120 m/min	120 m/min	90 m/min
■ Transport height min./max.	750-1150 mm					
■ Transport direction	left-to-right/right-to-left					
■ Belt widths (BB)	150-225 mm	225-300 mm	100/150/225	225/300	300/400	300/400
■ Belt lengths (AA)	200/250/325/400	325/400/500	150/200/250/325/400	325/400/500/600	400/500/600/750	400/500/600/750
■ Standard display	5.7" QVGA with keypad					
■ Optional display	12.1" SVGA colour touch screen with USB interface					
■ Rejection systems	Pusher/Air-blown Pusher/Flipper/Catcher/Hatch Belt					
■ Interfaces	RS 232, Ethernet, I/O signals					
■ Options	Integrated printer, rejection countercheck, tendency control and lots more					
■ Protection class	IP 54	IP 54	IP 65	IP 65	IP 65	IP 65
■ Material	1.430 stainless steel					
■ Power supply	230/120 V 50-60 Hz 500/750 VA					
■ Operating temperature	5 - + 40 °C	5 - + 40 °C	0 - + 40 °C	0 - + 40 °C	0 - + 40 °C	0 - + 40 °C
■ Humidity	20-90 %, non-condensing					
■ Combo-machine	CWE with integrated metal detector CWE with integrated InkJet labelling					



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