Bizerba Inspection Systems
100 % Safety

BIZERBA

The Open World of Finest Weighing Solutions.

Since 1866.

Our experience sets standards

We are a family-owned company guided by a commitment to tradition, sustainability and responsibility. Nowadays, based on our core competence of slicing and weighing technology, we offer our customers the industry's largest and most unique range of products and solutions as hardware, software and services, anywhere in the world.

As a globally operating technology company we are guided by our goal and commitment to achieve maximum results in terms of ergonomic design, hygiene, safety and efficiency. We believe we have a role to play in shaping our markets, and are continually setting new industry standards.

In close collaboration with our customers and against a backdrop of technological advancement, we are working to improve our products on a daily basis—resulting in innovations which become new standards.

In order to continue to live up to these requirements, we focus on the highest possible quality standards and internationally recognized technology standards in our development and manufacturing work. This is how we best support our customers in achieving maximum efficiency and profitable growth.

Our experience sets standards. **That's what sets us apart. Bizerba**

Impeccable quality

A constant product quality up to 24/7. You can achieve this goal with our inspection systems. Benefit from the technology for an objective check which complies with international standards and increases your profitability.

Product safety is the most sensitive subject in the food industry. In Europe alone there are about 3.000 recalls of soiled or incorrectly labeled products every year. This is a time-consuming and costly situation for manufacturers, involving by far more than just a logistical effort: consumer confidence must be retained or regained and the brand image protected from possible damage.

Bizerba inspection systems help you to prevent such a situation from happening in the first place. Our digital solutions offer you 100 % product reliability and complete tracking. Only food of perfect quality is supplied to the market: hygienically packaged and labeled with ideally positioned, readable labels containing the right information. Classify your products based on defined criteria. Benefit from an objective, automated control by means of which you fulfill national and international standards such as HACCP, IFS and BRC as well as legal standards.

Pack Secure

Meet two key criteria with just one vision inspection system for an optimal product quality: an undamaged seal and correct labeling. PackSecure fulfills both functions. Simultaneously, efficiently and reliably. It completely checks each product side for any damaged seals, incorrect labels or information. Packages which do not meet the defined criteria are automatically rejected.

This 100 % inspection supports, among other things, manufacturers of sterilized products. The constant inspection with PackSecure fulfills the Critical Control Points (CCP). Packages with leaking or soiled seals are immediately detected and rejected. A follow-up inspection of the entire batch is not necessary and the rejection volume is reduced. Ideal for a positive return. Your benefits with regard to the consumer: only products in best possible quality reach the market. Food-grade and with the correct product information on the label.

This is possible by means of integrated cameras and sensors which work more reliably than the human eye: they check the markings on the label (printed characters, shelf life, stickers, barcodes etc.) and whether the seal of variable packages is intact. For complete tracking, these images will be archived together with production data via software.

Industrial software BRAIN2

– Easy and automated reporting, data evaluation and analysis
– Optimized OEE due to evaluation of relevant key figures
– Reduced downtimes due to back-up function

Objective evaluation and 100 % control

– Excludes subjective operator evaluations
– Constant product quality 24/7

Numerous inspection options

– Touchless, visual inspection of the seal for contaminations: material and foreign body inclusions as well as air pockets
– Ensures optimal, CCP-conform product seals
– Ensures compliance with shelf life
– Avoids missing, wrong, incorrectly positioned or incorrect labels
– Optical character recognition (OCR): reads and recognizes texts, codes etc.
– Checks whether all information meets the requirements

Full traceability

– Archived images for transparent processes
– Effective limiting of discrepancies concerning batches, lots, shifts etc.
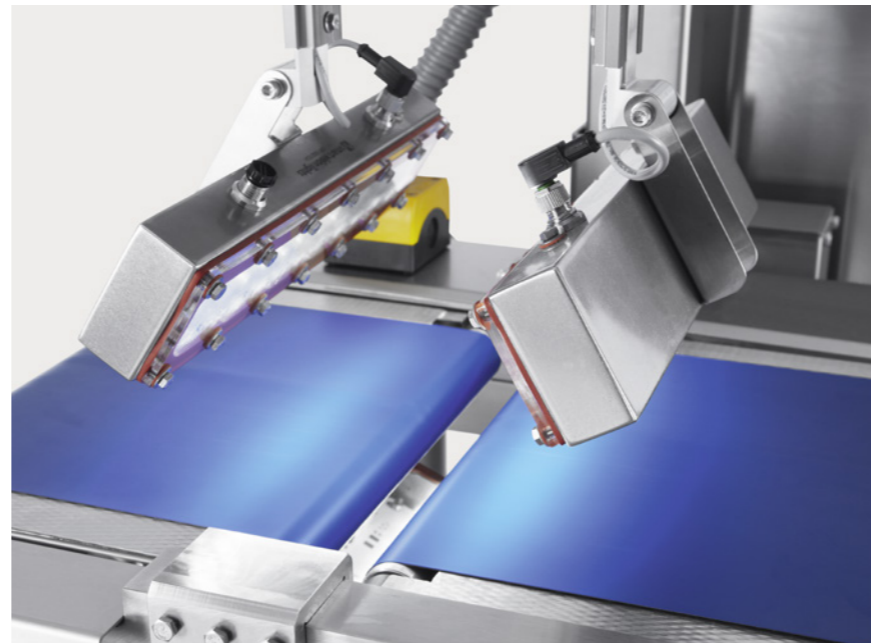– Helps reduce amount of loss

Easy cleaning

– Hygienic design
– Hermetically sealed housing
– IP65, optionally IP66

Flexible integration

– Stand-alone device for end-of-line control
– Integrated solution for thermo-formers or packaging machines as well as price labeling systems

BIZERBA LUCEO

Effective inspection

Matching solutions

Get an inspection system which matches your needs. Detect foreign bodies in products in real time with our network-capable solutions. Check weight, label and packaging. Classify your products. Whatever system you decide for: you ensure the quality of your products from content up to packaging. Your further benefits: a durable and superior design. Easy and safe handling. Options by means of which you customize your solution. And a service which reliably supports you in any phase.

Metal detection

Our devices provide you with reliable results as regards finding metal residues which entered the product before or during production. Whether as a metal detector or coil. You choose: we offer you solutions which can be integrated in Bizerba checkweighers, for example. Stand-alone systems which you can combine, among other things, with rejection systems are yet another alternative. With all variants, your packaged or unpackaged piece goods are reliably checked for any enclosed contaminants. These contaminants could be steel or stainless steel, ferrous metal and non-ferrous metal or aluminum.

X-ray inspection

The models of our XRE-D series work with integrated X-ray technology. They ensure maximum safety in real time: X-ray inspection systems detect metal and non-metal contaminants such as glass, ceramics, stones or plastic in your products. They also "see" incomplete, defective or deformed goods. Within milliseconds they evaluate the X-ray image and sort out the concerned packages. A special quality of our solutions: they detect the entire inspection area. There is no dead angle even in case of tall products.

Vision inspection

Our vision inspection systems stand for a reliable, optical product and packaging control. We offer you devices which can check labels or seals. Further solutions combine both functions and check the presence of the product in transparent packagings. The systems find and sort out products in real time which are, for example, improperly sealed or incorrectly labeled or have unreadable barcodes. For complete tracking, images will be archived together with production data via software. This is an ideal proof that the products were in proper condition after packaging.

Seal check

A key criterion for an optimal product quality is a clean and intact seal. Our vision inspection systems check this sensitive packaging element without touching or damaging it. Matching your product and the inspection requirements. Individually combined sensors, camera and lighting types check the seal for errors. If a vision system finds out, for example, that seals are not tight or soiled it automatically rejects these packages. The result: only perfect products reach the market.
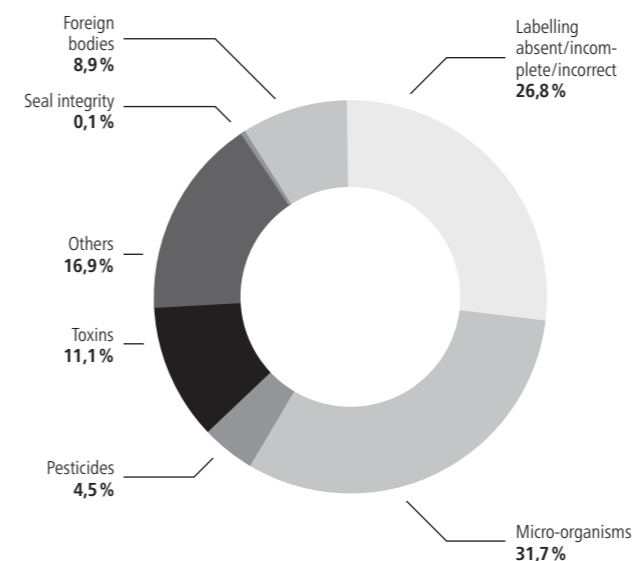
Product classification

We also offer you solutions to keep a constant quality of your products or to classify them (e. g. A or B). Our vision inspection system ClassCheck already finds out before packaging whether there are quality defects. Example ham: right after slicing the system checks the first slice based on defined criteria: e. g., is the outer fat layer proportional? Are there mechanical defects such as cracks? Products not meeting the quality requirements are automatically sorted out. This ensures that only flawless products which meet the expectations of the consumer reach the market.

Acting in 360°

Inspection solutions by means of which you protect consumers and fulfill food requirements, ensure product quality and work profitably at the same time. This is our response to your food industry.

Optimal quality management

26.8 % of all product recalls result from missing, wrong or incomplete product labeling—in spite of already existing inspection measures. Another 8.9 % are caused by foreign bodies in packages.

- Foreign bodies 8,9 %
- Seal integrity 0,1 %
- Others 16,9 %
- Toxins 11,1 %
- Pesticides 4,5 %
- Micro-organisms 31,7 %
- Labelling absent/incomplete/incorrect 26,8 %

Source: RASF/The Rapid Alert System for Food and Feed, Annual Report 2016, p. 40

Your quality management is a central module by means of which you avoid these and other risks such as bacteria or allergens. Standards such as IFS Food and Code of Practices recommend "Procedures shall be in place to avoid contamination with foreign material" (IFS Food, version 6.0, chapter 4.12.1). This task is reliably taken care of by our inspection systems. They check your process and product quality at critical control points (CCP) automatically and in an objective manner. The audit function of the systems tests and documents its function on a regular basis. This documentation offers you four advantages:

Transparent data: based on statistical evaluations you can optimize your processes and product quality.

Economical production: due to the automatic control and targeted selection of incorrect products you save resources such as raw materials, time, consumables and energy. The control, preventive destruction or recall of entire batches or lots are a thing of the past.

Full traceability: you can prove that your merchandise has left production in optimal quality. This is ideal in order to protect your brand from image loss.

Environmentally friendly and resource saving: since you only package flawless products you save food, packaging material and energy. This also has a positive effect on your environmental balance.

Safe closing

The closing of a packaging is a CCP. Clean and leak-proof seals have a positive impact here. Your product keeps its optimal freshness. If seals are leaky, the product gets in contact with oxygen. Your product spoils faster and does not reach the minimum shelf life under certain circumstances. As opposed to sample tests our inspection systems achieve an objective 100 % control. This is done automatically and based on constant assessment criteria. Ideally suitable for a constant process and product quality.

Correct labeling

Information is playing an important role in the food-buying decisions of more and more consumers. Scandals, increasing food intolerances and allergies are only some of the reasons for more need for information. Legislators protect their right to information. Our vision inspection systems help you concerning your responsibility to properly label your products. With their OCR function they check all information on the label such as allergens, mixtures, formulations or shelf life in real time. Incorrectly labeled products are automatically sorted out.

GLS/INTUITY

Metal detection coils

Highlights GLS

– Control unit
– Two frequencies are selectable, optional multi-frequency technology
– Cost-effective alternative for products with minimal product effect (intrinsic conductivity)
– Largely resistant to vibrations, shocks and temperature fluctuations
– Easy and intuitive teaching of products
– Product compensation with teach function
– Password-protected logbook
– HACCP, IFS and BRC conform quality monitoring
– Can be integrated in Bizerba checkweighers, weigh price labeling systems and customer-provided conveying systems

Highlights INTUITY

– Control unit INTUITY CONTROL, comes standard with a 7" touchscreen
– Highest detection accuracy and enhanced sensitivity due to multi-simultaneous frequency technology. Device simultaneously checks with two frequencies
– Largely resistant to vibrations, shocks and temperature fluctuations
– I/O unit in a separate housing
– Easy and intuitive teaching of products
– Preselection of products and associated settings
– Prediction of ball size to be detected
– Product compensation with teach function
– Password-protected logbook
– Conform with common quality standards such as HACCP, IFS, BRC
– Can be integrated in Bizerba checkweighers, weigh price labeling systems (handled as a project) and customer-provided conveying systems
– Reporting via BRAIN2 software

VARICON+

Metal detector

Highlights

– Various metal coils: GLS, INTUITY
– Digital signal processing and quartz-stable search frequencies
– Latest microprocessor technology with self-monitoring, self-calibration and temperature compensation
– Product compensation with teach function
– Multiple product memory
– Special EMC combi filter to suppress external interferences
– HACCP, IFS and BRC conform quality monitoring: password-protected system logbook and menu-driven validation system

Options

– Product-specific rejection systems: pusher or air jet nozzle with connectible reject bin
– Further rejection systems available upon request
– Higher Level Compliance package: fail safe, warning device, self-monitoring
– Warning device consisting of signal lamps + signal horn: error and metal display, ready for operation, AuditCheck
– Mobile conveyor with lockable guide rollers
– Reporting via BRAIN2 software
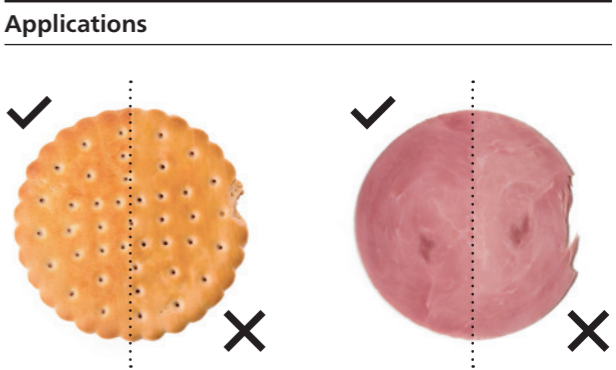
XRE-D

X-ray inspection system

Highlights

– Safe detection of metallic and non-metallic foreign
 objects in the entire inspection area: no dead angle
 even in case of tall products
– Reliable detection of missing, broken or misshaped
 products
– Weight control of products or product components
– Chaotic product feed via multi-product software
– Synchronous inspection of up to two parallel running
 production lines
– Highest search sensitivity with zone analyzer software:
 free zone selection within the X-ray image
– Easy and intuitive operation
– HACCP, IFS, M&S and BRC conform quality monitoring
– Real time check of up to 400 products /minute
– Easy care and cleaning due to compact, open and
 modular design
– Efficient quick conveyor belt change system: belt
 change within only two minutes
– Easy replacement of radiation protective curtains

Options

– Higher Level Compliance package (M&S-POC)
– Various detector resolutions
– Product-specific rejection systems pusher or air jet
 nozzle, lockable
– Further rejection systems upon request
– Reporting via BRAIN2 software

ClassCheck

Vision inspection system

Highlights

– Ensuring a constant product quality which also meets
 consumer expectations
– Evaluation and classification of the product quality,
 e. g. appearance, completeness, intactness, color
 deviations
– Increase in productivity due to automated processes
– Continuous process optimization:
 – Ideal database for analyzing and optimizing
 upstream processes
– Complete tracking of production data:
 – Archiving of images and production history
– Hygienically flawless control without touching
– Synchronous inspection on parallel running lanes
– Reliable sorting out of non-conforming products
– Can be easily integrated in monitoring software or
 a company's own ERP system

Options

– Asynchronous checking on several lanes possible
– Remote support via internet or secure website

Applications

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LabelSecure
Vision inspection system

Highlights

– Touchless and non-destructive quality control of labels
– Prevents incorrectly labeled packages in retail
– Automatic rejection of packages not conforming with reference criteria
– Modular design to allow integration of a broad spectrum of sensors that match inspection requirements
– Suitable for packaging lines with automatic product change
– Suitable for many packaging types
– Upgradeable for future requirements
– Hygienic design and time-saving cleaning
– Software for complete tracking of all products: saving of images incl. date and time, counter, production and machine logbook
– Safe and easy operation:
  – Intuitive user interface with color touch screen
  – Offline parameter-setting allows manual adjustment of parameters based on saved images on the device or PC
– Can be easily integrated in existing production lines

Options

– IP66 protection
– Air conditioning
– Robot control
– Two-lane version
– With simple or dual rejection unit
– Mechanical or pneumatic pusher
– Lockable rejection bins
– Reporting via BRAIN2 software

Applications

SealSecure
Vision inspection system

Highlights

– Contact-free and nondestructive seal integrity inspection
– Prevents leaking packages in retail
– Automatic rejection of packages not conforming with reference criteria
– Modular design to allow integration of a broad spectrum of sensors that match inspection requirements
– Suitable for packaging lines with automatic product change
– Suitable for many packaging types: thermoformed or top sealed trays and flow packs with transparent, partly colored or printed seal
– Upgradeable for future requirements
– Hygienic design and time-saving cleaning
– Software for complete tracking of all products: saving of images incl. date and time, counter, production and machine logbook
– Safe and easy operation: intuitive user interface with color touch screen
– Can be easily integrated in existing production lines

Options

– IP66 protection
– Air conditioning
– Further inspection function: checking of product presence in a package
– Robot control
– Production control by transferring signals

Applications

PackSecure

Vision inspection system

Highlights

– Complete optical check of packages: simultaneous checking of seal and labeling
– Prevents incorrectly labeled and leaking packages in retail
– Automatic rejection of packages not conforming with reference criteria
– Modular design to allow integration of a broad spectrum of sensors that match inspection requirements
– Suitable for packaging lines with automatic product change
– Suitable for many packaging types: thermoformed or top sealed trays and flow packs with transparent, partly colored or printed seal
– Upgradeable for future requirements
– Hygienic design and time-saving cleaning
– Software for complete tracking of all products: saving of images incl. date and time, counter, production and machine logbook
– Safe and easy operation: intuitive user interface with color touch screen
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Options

– IP66 protection
– Air conditioning
– Further inspection function: checking of product presence in a package
– Robot control
– Production control by transferring signals

Applications

100 % inspection

Seal check

Label check

Rejection of non-conforming products and packages

Inspection of product presence

BIZERBA

Digital control

With our intelligent industrial software BRAIN2 you gain maximum transparency and complete traceability along your supply chain. Matching your needs the software modules can be easily integrated in your company processes via interfaces. They record production data in real time, manage and analyze data efficiently or safely control production processes. Automatically create reports and statistics. Save pictures including date and time for the duration of a product's shelf life. This is one of many options in order to document your production.

BRAIN2 OEE
Transparent numbers

BRAIN2 OEE records key metrics of your production, evaluates them and calculates the OEE value from the collected data records. The ideal basis for optimization processes.

BRAIN2 Data_Maintenance
Central master data management

Centrally manage master and configuration data such as PLU and customer data on your Bizerba devices using this app and with minimal time effort.

BRAIN2 Safety_Service
Backed up data

Automatically create backups via app. Data centrally saved to the BRAIN2 database can be easily restored via GUI or directly on the device. For a fast start-up you can simply clone device data.

BRAIN2 Capture
Perfect data flow

With the BRAIN2 Capture app you record and evaluate among other things the process data of your Bizerba inspection systems in a quick, easy and efficient manner.

BRAIN2

All possibilities at a glance

Product	Type of packaging				Check: Foreign body				Label				Seal		Classification	
	Tray/cups/bowls	Flow pack/pouches/sachets	Bottles/jars/cans	Boxes/cartons	Metal	Stones/glass/plastics/other non-metals	Aluminized packages	Wound plaster with metal threads	Presence	Orientation & positioning	Text recognition (OCR)	Code reading	Contamination	Quality	Product	Packaging
Inspection systems																
GLS/INTUITY	●	●	●	●	●	✕	⊖	●	✕	✕	✕	✕	✕	✕	✕	✕
VARICON+	●	●	●	●	●	✕	⊖	●	✕	✕	✕	✕	✕	✕	✕	✕
XRE-D	●	●	Side Shooter	●	●	●	●	✕	✕	✕	✕	✕	✕	✕	✕	✕
LabelSecure eco	●	✕	✕	●	✕	✕	✕	✕	●	●	●	●	✕	✕	✕	✕
LabelSecure basic	●	✕	⊖	●	✕	✕	✕	✕	●	●	✕	●	✕	✕	✕	✕
LabelSecure pro	●	●	●	●	✕	✕	✕	✕	●	●	●	●	✕	✕	⊖	⊖
SealSecure basic	●	●	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	●	✕	⊖	⊖
SealSecure pro	●	●	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	●	●	⊖	⊖
PackSecure basic	●	●	✕	✕	✕	✕	✕	✕	●	●	●	●	●	✕	⊖	⊖
PackSecure pro	●	●	✕	✕	✕	✕	✕	✕	●	●	●	●	●	●	⊖	⊖
ClassCheck	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	●	✕

Legend

● Suitable for use
⊖ Possibly suitable for use for the respective application
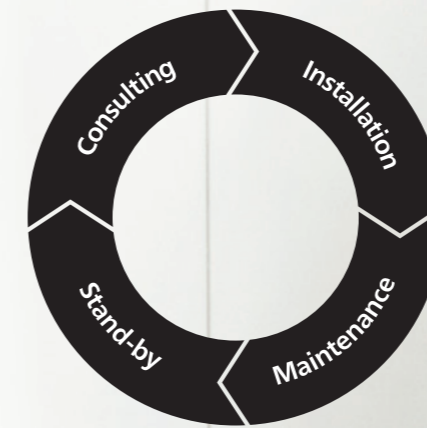✕ Not suitable for this purpose

For top quality and reliable performance

In your day-to-day work with the inspection system, you can rely on high-quality cleaning products and original consumables in Bizerba quality. Everything is perfectly matched to your products ensuring best possible results and longevity of your investment. A perfect example of teamwork with added benefits for you.

Optimal functioning and constant availability of your devices and machines requires professional care. Our high quality cleaning agents play an important role here since they are specifically developed for demanding conditions in retail, industry and food service. They are easy to use and show impressive results: perfect cleanliness providing protection as well as disinfecting hygiene for sensible components and smooth surfaces. For each material whether stainless steel, plastic or glass, we have a suitable cleaning agent in our comprehensive assortment. Clean solutions for your work area or production facility.

Our service Professional on-site support

The application of our inspection systems is supplemented by an optimal service. Benefit from our experience and industry know-how. Our highly qualified service experts are at your service nationwide.

In order to obtain the maximum from your investments we are there for you with a multi-level service. This includes advice, start-up and installation of inspection systems as well as other services. Our perfectly matched modules ensure continuous availability.

Service modules
– Individually agreed service contracts
– Start-up including initial training and initial installation
– 24/7 service contract, optional
– Full support (spare parts, technical competence and on-site support)
– Large nationwide network of service experts who are quickly at your service and on-site
– A broad range of care and cleaning products
– Service hotline
– Customer training

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Service redefined My Bizerba

We offer you solutions from a single source which can be customized and allow you to respond to any change in a flexible manner. No matter which modules you are combining for your solution: you benefit from costs which can be planned and efficient processes. And in best Bizerba quality.

Products	Services	Contracts
– Hardware	– Consulting	– Service contracts
– Software & Software Apps	– Installation	– Smart contracts
– Labels & Consumables	– Maintenance	
– Cleaning & care kit	– On stand-by	
– Starter kit	– Financing	
	– Training	

Information to suit your every need

If you are looking for a fast and reliable way to find the right solutions for your company, there are various routes to the perfect result. Whether you would like to contact us online or prefer to arrange a face-to-face meeting, Bizerba is always happy to help.

In person
You personally want to inform yourself about solutions tailored to your local circumstances? Do not hesitate to contact us. Our customer advisors are always on hand to assist you. From the idea of planning measures up to the implementation and training, our customer service representatives are at your service. You can find details of how to contact us on the back page of this brochure.

Online
The Bizerba website provides a quick, easy and focused overview of all our product solutions as well as relevant topics relating to weighing, packaging, pricing and labeling. Experience our solutions from all sides. Our solutions can be viewed virtually in a short video or 360° animation. Simply visit our website to see more:

www.bizerba.com

Would you like to learn more?
Are you keen to obtain more detailed information about Bizerba's products? If so, please contact us. Whether these are dimensional drawings, technical information or interface descriptions. We are happy to advise you.

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