Weighing terminals and industrial PCs
Tailor-made solutions
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 global acting technology company, we allow ourselves to be led by the aim and the requirement to achieve the best possible results in terms of ergonomics, 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 matters to us.
Bizerba.
Tailor-made solutions which fully and reliably cover your industrial needs – our weighing terminals make it possible. We offer you individual and practice-oriented models for the food, chemical and pharmaceutical industries, logistics, metal and electronics industries. They meet highest standards in extreme or sensible production environments also in terms of ergonomics, safety and hygiene.

Perfectly integrated in your environment and combined with the software platforms BRAIN or BRAIN2, they offer you high flexibility tailored to your needs allowing you to efficiently and safely design your production processes. By means of interfaces they can be easily integrated in your production and IT network. Their application spectrum ranges from classical weight recording, counting application and tolerance control to dosing and formulation tasks. Further fields of application are control and regulating processes, order-picking, documentation and stocktaking.

The iS series offers you absolute precision and intelligent product networking along the entire value-added chain. Whether as a high-class individual component or modular system: Our excellent industrial solutions connect state-of-the-art hardware and software know-how.
Weighing terminal iS50

For complex weighing and control systems the intelligent weighing terminal iS50 ensures efficient processes. Controls which were required when a driven roller conveyor was used before and after the scale, for example, are no longer necessary. Also parallel processes can be carried out independently with the iS50. You benefit from maximum functionality and flexibility with just one device.

The weighing terminal easily integrates in your production structures and can be connected to peripheral devices. This is an ideal system solution with Bizerba scales which are fitted with digital or analog weighing technology (e.g. strain gauge or vibrating string technology).

iS50 can be customized to your needs via the integrated Soft-PLC. Frequency converter, valves and motors are directly controlled. Its functionality comprises the establishment of weight and production data. Optionally, it can also control dosing systems, record statistical data as per pre-pack regulations, count, formulate or carry out tolerance controls.

Full graphic TFT display
The large 7” graphic display has a white LED backlighting and a resolution of 800 x 480 pixels. This graphic display is clearly arranged, user-friendly and freely programmable to suit an application.

Integrated Soft-PLC
Since the integrated Soft-PLC may be used for small and medium control tasks, an external PLC control is not necessary with the iS50.

Up to 7 scales connectable
The iS50 can be networked with up to 3 internal scales and, via weighing module, with 4 external scales.

BRAIN2
The new software generation BRAIN2 offers you a new and significantly extended range of functions across products. With BRAIN2 we focus on centralization, easy operation and data security.

Suitable for Ex zones
As model iS50 Ex it is also available for hazardous areas in Ex zones 2/22 and 1/21. Codesys – and consequently Soft-PLC – can be used in the Ex zone.

Freely programmable
Our applications team or an experienced Codesys programmer will customize the industrial terminal to the application and to your needs.

Codesys – and consequently Soft-PLC – can be used in the Ex zone.
Close to your needs
Flexible in use

Accurate and fast recording of weight
The integrated weighing module of the iS series models ensures highest reliability even in time-consuming applications. Regardless of whether you opt for a high-end terminal or a full-fledged industrial PC. Our solutions record weight values fast and accurately. The ideal basis for optimal production processes.

Flexible applications
With its broad application spectrum the iS series covers all your needs offering maximum flexibility – from simple weighing to PC-based applications. In top Bizerba quality you can integrate weighing, counting, tolerance control, statistics, in-motion weighing, dosing or filling functions in your supply chain. The result: A consistently high product quality and efficient production processes.

Optimized production processes
By networking with the industrial software BRAIN or the new generation BRAIN2 you can create a synchronous work and data flow with the models of the iS series and optimize your production. For more information on industrial software BRAIN2, please see the following pages.

Easy integration
Due to the broad range of available interface technologies the models of the iS series terminals can be quickly and easily integrated in your production. They ensure a smooth machine to machine communication since all serial communication protocols are available for the data exchange. The iS50, for example, comes standard with an Ethernet and USB master/slave interface. Optionally, you may upgrade these models with fieldbuses such as Profinet IO. Your advantage: You benefit from a broad range of applications and can flexibly adapt your production to process changes.

Best industrial design
The models of the iS series were developed with a practical approach in order to suit your production needs. The robust design which is suitable for industrial applications withstands your requirements. We exclusively use high quality, durable materials. Fitted with a stainless steel housing our models offer protection up to IP69k. These are ideal prerequisites for use in production environments where dust, moisture or aggressive substances are present or high pressure cleaning is required. Special model versions even meet ATEX requirements for use in explosive areas.

Individual location
In terms of design and technology of the iS series we have found flexible mounting solutions which allow you to work with our models exactly where you need them. Our models are fitted with a table or wall mounting, can be installed on a column or can be integrated in a control panel. Since the weighing terminals are optionally available with battery packs, they are suitable for mobile use. This allows you flexible use even in Ex zones.
### WM-3

**Highlights**

- Robust weighing module made of plastic
- Designed for control cabinet installation
- Ideal for weight recording, data output and control in logistics, warehouse and process technologies or fill level check
- QSF filter for stable weight values
- Easy programming via PC tool
- System integration with high process reliability
- Easy data output to PLC, PLCs, or ERP systems via interfaces
- Numerous interface options: RS-232 via terminals (bus-capable), 4 static inputs/outputs, galvanically isolated
- Combinable with 1 load receptor or 1 load cell group (analog load cells)
- Suitable for production temperatures between -10 °C and +40 °C
- Protection type IP20 / DIN 40050 EN 60529
- EC type approval: NAWI class III

**Options**

- Interfaces additional module: RS-232, RS-C via terminals, Ethernet 10/100 MBit (RJ 45 socket), TCP/IP, Profibus DP 12 MBit (9-pin Sub-D connector), SVD protocol, Profibus DP (WM-scale) via DPV 0, cyclic service, analog output 0/4-20 mA or 0-10 V, 8 static inputs and outputs, galvanically isolated (total of 12 stat. inputs/outputs)
- Event-controlled SMS data transfer to cell phone and/or landline
- Telemodem connection via RS-232
- Large numeric display

**Dimensions**

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### iS10

**Highlights**

- Resistant compact weighing terminal in stainless steel design
- Numerous applications: Controlling, order-picking, packaging, shipping, documenting and stock-taking
- Variable integration: Goods receiving, production, quality assurance in the warehouse, in the packaging and shipping
- Integrated applications for efficient weighing and counting processes or tolerance control
- Fast data recording and control
- Easy and safe handling even with gloves due to large keys with mechanical pressure point and acoustic feedback
- Efficient cleaning thanks to smooth surfaces and rounded edges
- High IP69k protection for a smooth production flow in demanding hygienic or harsh environments with moisture, dust or aggressive substances
- Flexible weight value units kg/lb or oz

**Options**

- Integrated battery pack including charger and plug-in mains cable
- Individual mounting: Table, wall, counter top, column
- Variable lengths of data, control and measuring cables
- Combinable with different load receptors

**Dimensions**

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### iS20

**Highlights**
- Resistant compact weighing terminal in stainless steel design
- Numerous applications: Controlling, order-picking, packaging, shipping, documenting and stock-taking
- Variable integration: Goods receiving, production, quality assurance in the warehouse, in the packaging and shipping
- Integrated applications for efficient weighing and counting processes or tolerance control
- Metrologically approved data storage
- Visual support during tolerance control due to LED lights
- Fast data recording and control
- Easy and safe handling even with gloves due to large keys with mechanical pressure point and acoustic feedback
- Efficient cleaning thanks to smooth surfaces and rounded edges
- Ideal for harsh production environments
- High IP69K protection for a smooth production flow in demanding hygienic or harsh environments with moisture, dust or aggressive substances
- Flexible weight value units kg/lb or oz
- Extended interfaces RS-232 and Ethernet 100 Mbit
- 3 inputs/4 outputs

**Options**
- Battery pack and charger integrated in terminal, with plug-in mains cable
- Individual mounting: Table, wall, counter top, column
- Variable lengths of data, control and measuring cables
- Combinable with different load receptors

**Dimensions**

### iS30

**Highlights**
- Compact weighing terminal with robust industrial design
- High protection IP65
- Numerous applications: Weight data establishment, counting, dosing, documenting, statistical data recording as per prepack regulations FPV, tolerance control
- Variable place of installation: Goods receiving, production, quality assurance in the warehouse, in the packaging, in shipping
- Fast and exact weight value establishment even in case of time-sensitive applications
- Large, user-friendly 5.7” full graphic display, resolution 320 x 240 pixels, LED backlighting
- Effective and safe data input due to alphanumeric keyboard even with gloves due to large keys with mechanical pressure point and acoustic feedback
- Efficient cleaning thanks to smooth surfaces and rounded edges
- Ideal for harsh production environments
- High IP69K protection for a smooth production flow in demanding hygienic or harsh environments with moisture, dust or aggressive substances
- Flexible weight value units kg/lb or oz
- Extended interfaces: RS-232, RS-422, Profinet-IO, USB, Ethernet, 24 I/Os
- 2 scale interfaces for connection of analog scales, Pesa scales or precision scales
- Application programs, program licenses: Weighing, counting, tolerance control, statistics, single-component filling, dynamic calibration, in-motion weighing, recording database, data input devices, data output devices, fieldbus
- Battery pack with charger and battery holder
- Variable measuring and data cables
- Column, protective cover

**Options**
- Extended interfaces: RS-232, RS-422, Profinet-IO, USB, Ethernet, 24 I/Os
- 2 scale interfaces for connection of analog scales, Pesa scales or precision scales
- Application programs, program licenses: Weighing, counting, tolerance control, statistics, single-component filling, dynamic calibration, in-motion weighing, recording database, data input devices, data output devices, fieldbus
- Battery pack with charger and battery holder
- Variable measuring and data cables
- Column, protective cover
### iS50

**Highlights**

- Robust industrial design with IP65 protection
- Additional protection type IP69k for high pressure cleaning in harsh environments
- Individual mounting: Table, wall, control panel
- Freely programmable on 5 function keys and application keys for quick process data input and QWERTY keyboard
- Large, user-friendly 5.7” full graphic display, resolution 800 x 480 pixels, LED backlighting, freely programmable graphic display
- Weighing and control technologies combined in one device
- Fast and exact weight value establishment even in case of time-sensitive applications
- Easy integration into production structure and networks
- Perfect management of the weighing modules: Up to 3 internal, 4 external modules
- Integrated Soft-PLC via Codesys and free programmability

**Software option dosing**

- Precise and quick dosing
- Fast transmission rates
- Teaching wizard for process optimization
- Maximum dosing results due to filter functions and coarse, medium and fine flow areas
- Secure and clearly arranged graphic and text information
- Numerous interface options
- Combining with the weighing station by means of a suitable load receptor

**Options**

- Extended interfaces: RS-232, RS-422, Profinet DP, Profinet-IO, USB, Ethernet and 36 I/Os
- 3 scale interfaces for connection of analog scales, Pesa scales or precision scales
- Version for use in hazardous areas 2/2
- Application programs, program licenses: Weighing, counting, tolerance control, statistics, single-component filling, dynamic calibration, in-motion weighing, price calculation recording database, data input devices, data output devices, fieldbus
- Battery pack with charger and battery holder
- Protective cover

### iS65

**Highlights**

- Full-fledged industrial PC in slim, robust and fanless industrial design
- Ideal for harsh environments.
- Complete protection against dust and moisture due to IP65
- Multifunctional information, control or input terminal due to integrated Atom CPU
- 15” touch display with 1024 x 768 pixels
- LED display for system status
- Optimal network coverage due to integrated WLAN module 802.11
- Ideal for BRAIN Client applications due to 4 GB DDR 3 RAM
- 128 GB SSD data carrier for a fast system start and quick working
- Convenient operating terminal for machines and systems
- Versatile interface options: 2 x Ethernet 10/100/1000 Mbit, RJ 45
- Individual mounting due to VESA 75

**Options**

- Stand for table or wall mounting made of stable stainless steel and variable inclination angle
- Column for ideal use on production lines

### Dimensions

- **iS50**
  - 134 (5,28”)
  - 150 (5,91”)
  - 140 (5,51”)
  - 121 (4,76”)
  - 149 (5,87”)
  - 105 (4,13”)
- **iS65**
  - 344 (13,54”)
  - 144 (5,67”)
  - 308 (12,13”)
  - 353 (13,9”)
  - 382 (15,04”)

- **iS50** typenschild
  - 324 (12,7”)
  - 209 (8,23”)
- **iS65** typenschild
  - 324 (12,7”)
  - 210 (8,27”)

### Software option dosing

- Extended interfaces: RS-232, RS-422, Profinet DP, Profinet-IO, USB, Ethernet and 36 I/Os
- 3 scale interfaces for connection of analog scales, Pesa scales or precision scales
- Version for use in hazardous areas 2/2
- Application programs, program licenses: Weighing, counting, tolerance control, statistics, single-component filling, dynamic calibration, in-motion weighing, price calculation recording database, data input devices, data output devices, fieldbus
- Battery pack with charger and battery holder
- Protective cover
iS70

Highlights
- Ideal industrial PC in stainless steel design for harsh conditions
- Optimal terminal for weighing, dosing, counting, checking, control and data recording due to suitable software
- Resistive touch display with GFG (glass-film-glass) technology
- Individual mounting: Stand, column, VESA 100
- Cable routing for standard cables fulfilling protection type IP65
- Active TFT LCD color display with LED backlighting
- 15.4” display with 1280 x 800 pixels
- 19” display with 1280 x 1024 pixels
- CPU Intel Celeron 874E 1.1 GHz
- 4 GB RAM
- 32 GB SSD mass memory
- Numerous interface options: 2 x Ethernet 10/100/1000 Mbit, RJ 45 serial, USB
- NTScale: Full-screen display with net, tare and gross weight/standard display with net weight and docked windows at the top, side or bottom

Options
- 120 GB SSD data memory
- Internal wireless WLAN module
- Galvanically isolated serial interface
- Stand/column
- NTScale software with up to three connected scales
- Metrologically approved data storage via connect.BRAIN

Dimensions

15.4” Display

19” Display

Highly reliable

Full functionality in Ex zone
Specially for industries with production in hazardous areas we designed Ex models for the iS series. They equally fulfill the demands of your production as also the requirements of the ATEX directive. The functionality of these specially developed terminals is fully retained in the Ex zone. With the iS50-Ex, even a Soft-PLC can be used in the Ex zone. Currently we offer these weighing terminals for different Ex zones:

The functionality of these specially developed terminals is fully retained in the Ex zone. Based on the desired application you can safely perform counting, dosing or filling functions in your production process. Also data recording according to prepack regulations and tolerance control can be carried out reliably. With the iS50-Ex, even a Soft-PLC can be used in the Ex zone. iS50-Ex and iS50-Z2 are freely programmable and perfectly adapted to your needs. Due to numerous interfaces, all Ex models can be easily integrated in existing production and IT networks.

Efficient handling
All Ex models of the iS series are fitted with an integrated power supply unit. Thanks to this practical design concept additional solutions are not necessary and your staff can work efficiently. Also operating the weighing terminals is easy and convenient due to the integrated fully graphic display. Furthermore, the sophisticated design offers you flexible mounting options: Whether table-top or wall-mounted or with column. The installation in a control panel is also possible. Our battery box BK-Ex24V ensures maximum flexibility in the production with mobile systems in the Ex zone. The battery pack version ensures a smooth power supply.
Perfectly networked with BRAIN2

Our iS series offers more possibilities. Benefit from intelligent networking which you can use to make your processes more efficient. Before, during and after production. Our solution: BRAIN2. The new software generation.

A synchronous work and data flow from goods receiving to shipping. The new software generation BRAIN2 makes it possible. In the context of industry 4.0 it collects all relevant quality parameters of your production. With the modules of the intelligent platform you can monitor, analyze and document any process phase. The result: You benefit from maximum transparency allowing you to optimize your production.

Tailor-made solutions
BRAIN2 is a dynamic software platform with a modular design. With this innovative concept it unites the central functions reporting, device management, user management and audit trail system. Our applications team customizes the functions to your needs and your business. The concept of special applications is also possible.

Efficient handling
BRAIN2 easily and conveniently integrates in your existing IT system. The central, server-based system offers you an uniform graphical user interface. Via application selection you can customize the user-friendly user interface and arrange it clearly to your needs. BRAIN2 lets you centrally define and manage users and groups. Via Active Directory or LDAP they can be transferred to higher-level systems. Create reports by pressing a button. You choose from a wide range of formats and can customize BRAIN2 reports with the Report Designer. Automatic reports can also be generated. Similarly convenient is the integration and management of the production equipment. You simply enter IP and device name. The central device overview and configuration via BRAIN2 simplify use and remote service of the devices.

Convenient operation
BRAIN2 makes creating reports very easy. In future you just press a button to create them. You choose from a wide range of formats and can customize BRAIN2 reports with the Report Designer. Automatic reports can also be generated. Similarly convenient is the integration and management of the production equipment. You simply enter IP and device name. The central device overview and configuration via BRAIN2 simplify use and remote service of the devices.

Your advantages with BRAIN2
− Tailor-made solutions due to a modular design of the software platform and the adjustments of the functions by our applications team
− Efficient handling during the integration in your IT network, simple reporting and central management
− Easy initial training of your staff carried out by our training team

For more information on BRAIN2, please watch our video under www.bizerba.com
### All possibilities at a glance

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<th>Product</th>
<th>Applications</th>
<th>Power</th>
<th>Interfaces</th>
<th>Scale interfaces</th>
<th>Display and operation</th>
<th>Housing versions</th>
<th>Ex zones</th>
<th>Protection type</th>
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Rely on high-quality cleaning products and original consumables in Bizerba quality in your day-to-day work with your iS weighing terminal or industrial PC. Everything is perfectly matched to your products ensuring best possible results and longevity of your investment. Benefit from perfect team work.

Optimal functioning and constant availability of your devices and machines requires professional care. Our high-quality cleaning agents play an important role since they are specifically developed for demanding conditions in food, chemicals and pharmaceuticals, logistics as well as in metal and electrical industries. They are easy to use and show impressive results: Perfect cleanliness providing protection as well as hygienic disinfection of sensitive 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.

There are various quick and effective routes to finding the perfect solution for your company. Whether you would like to contact us online or prefer to arrange a face-to-face meeting, Bizerba is always happy to help.