



Integrative

Combined expertise
in the chemical
industry from
Sartorius | GWT | Boekels

This information will give you a representative sampling of the Sartorius Group's product range – weighing components and product solutions for sophisticated applications in the chemical industry. Offering you a performance spectrum from 0.1 µg to 1,500 t in combination with extensive services, we are ready and eager to support you as your expert partners.

Sartorius Professional Meters ...

... for professional electrochemical analysis in the laboratory. Ideal operating and data management features. Choose from a range of modular-design versions to find the right meter for your requirements.

The functions are just as professional: graphical display for calibration curves with up to 5 calibration points (up to 7 calibration points for ion-selective analysis); simultaneous display of the measured value and temperature, also for parallel measurements; research-grade – i.e., the highest – measuring accuracy (+0.1 mV) over a wide range of concentrations; high level of reliability and repeatability of the results ... just to cite a few of the key features.

Sartorius CP Series ...

... 23 models from 0.01 mg to 34 kg offer a return on your investment for a variety of laboratory weighing applications. These balances feature a large, triangular-shaped weighing pan and a blue backlit display that is especially easy to read. Two practical draft shield designs are offered for the 1-mg models and for the analytical and semi-micro balances.

Sartorius monolithic technology is now incorporated into the high-capacity models as well, making them exceptionally rugged.

Sartorius GENIUS. The high-performance generation of balances...

... feature the highest level of ergonomic operation for optimal functionality. Delivering amazingly quick response and lightning-fast, reliable and accurate results, these balances come standard with N.I.C.E., a built-in static electricity eliminator. It easily neutralizes electrostatic charges on samples or tare containers at the touch of a key. Another highlight is F.A.S.T., the flexible draft shield system that operates fully automatically at the touch of a key. Its three-part, motorized draft shield has "self-teaching" functions, enabling it to adapt independently to every weighing situation.

New: the SQmin function provides maximum support for weighing minimum sample quantities according to the USP. GENIUS ... simply an incredibly intelligent balance ... right down to its extensive built-in bundle of applications ranging from weighing in percent to density determination to differential weighing, including backweighing.

Sartorius LA Master[™] ...

... is the ideal series of balances for laboratory use. With an extensive range of features, it offers the right solution for any weighing or application requirements. The plain-text prompts for optimal operator guidance in conjunction with the graphical display enable especially easy operation in any menu settings. With functions, such as the fully automatic calibration and adjustment feature isoCAL, input capability for alphanumeric sample IDs or ISO/GLP-compliant recording capability for printouts of all measured results, LA balances are perfect for meeting the requirements of monitoring the accuracy of measuring equipment. Sartorius' proprietary, patented monolithic weighing technology used in all LA models guarantees reliable weighing results over the long term and features incredibly fast response time.

Sartorius MA 100 ...

... The MA100 is the only infrared dryer in the world that features an analytical weighing system with 0.1-mg resolution and an **EC type-approval certificate issued at the factory**. Moreover, a motorized heating unit moves over the sample to open or close the sample chamber. This reduces interfering effects when a sample is placed on the pan or a measurement is started. The unique asap[®] search routine automatically optimizes the operating parameters, thus saving you time in developing your own drying programs.



Rugged design for trouble-free operation

Together, Sartorius, GWT and Boekels deliver amazing performance for smooth-running production processes. From incoming goods to outgoing goods inspection, we offer rugged, modular weighing equipment – all the way to customized configurations. See for yourself!

Sartorius Combics ...

... is designed to meet the most stringent requirements placed on the chemical industry. This is a whole new generation of industrial scales and weighing equipment. Rugged, flexible and modular, the series features weighing capacities from 3 kg to 3,000 kg, and selectable resolutions of 3,000 e, 2 x 3,000 e, 15,000 d and 30,000 d. Combics also offers you a choice of IP65, IP67 and IP68 protection ratings. Stainless steel versions are available in AISI 304 or AISI 316 Ti and with various surface finishes.

Three indicators – display and control units – are supplied. They feature large keys, clear, easy-to-read digits, +/- LEDs for checkweighing or classification, and multifunctional ABC keys.

Sartorius IU Pallet Scales ...


... are ideal for fast and reliable results in the incoming inspection and shipping departments. Their carrying handle and rollers make them easy to transport, giving you flexibility in work areas. The scales are available in your

choice of hot-galvanized finish or stainless steel. They feature load cells that provide especially precise resolution, and can be connected to various Sartorius explosion-protected industrial terminals. Protected according to IP68, rugged and industry-compatible, these IU scales can be used in Zones 1, 2 and 11 hazardous areas.

Sartorius IF Flat-bed Scales ...


... the modular series without any weld seams features high resolution for both standard and legal metrology applications. Protected according to IP68, IF scales are available in a choice of finishes: painted, AISI 304 stainless steel – bead-blasted and electropolished – and in AISI 316 Ti stainless steel – electropolished. Their ultra-low profile and exceptionally rugged design enables them to carry maximum overloads of up to double their weighing capacity. IF scales can be used in Zones 1, 2 and 11 hazardous areas.

Sartorius Factory Series ...

... This premium line combines the highest accuracy with the ultimate in functionality and operating convenience thanks to the incorporation of high-resolution weighing technology based on the principle of electromagnetic force compensation. The scales' backlit display and user-configurable weight readouts guarantee 100% reading accuracy. Easy-to-understand text prompts shown on the graphical display make it a breeze to run the many application programs and extra functions ... plus, the Factory series scales are also available in  versions.

GWT X5-Series System Controller ...

... the new generation for intelligent process weighing allows displaying, operating and controlling all from a single source. The design ensures easy mounting and installation plus trouble-free and low-maintenance operation. A key for starting a self-test permits easy detection and localization of potential trouble.

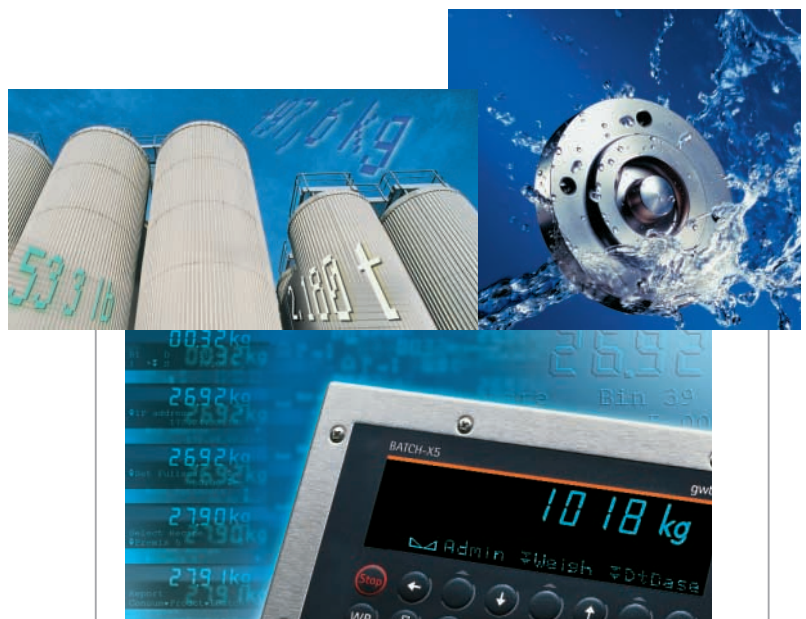
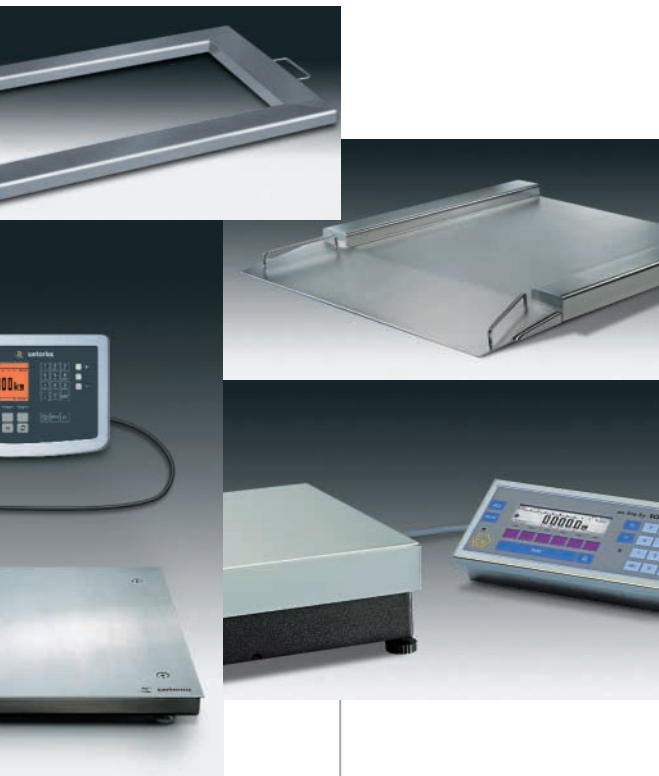
Completely new: the  operator terminal can be connected directly to the system controller set up in a hazardous area. This means that you can view a 1:1 emulation of the system controller on the explosion-protected terminal to operate the controller. All X5 controllers have this new functionality.

GWT PanCake® Level Cell ...

... a compact and neat solution to big and messy problems in fill level control of tanks. This level-by-weight control cell does not come in contact with your product and thus features the ideal hygienic design. The GWT Level Cell provides the highest economy and precision under any conceivable circumstances, regardless of the liquid or material filled in tanks and the ambient conditions.

GWT Load Cells ...

... are ideal for any tank size. In combination with GWT installation kits, they constitute the perfect unit. Whether you have silos, tanks, stirrers and dissolvers, with GWT technology and products, you can convert any type of vessel into a scale. The load cells' high-grade stainless steel allows them to be used in the widest variety of installations. Especially for the chemical industry, GWT offers each load cell type in an intrinsically safe version.



Boekels Discovery PLUS Metal Detector ...

... with 3-band multifrequency sounding up to 1 MHz. Whether you need to check for metal particles in powdered milk products packaged in cardboard boxes or to integrate the detector into fall-shaft assemblies for powdered or granular products, Discovery PLUS immediately adjusts itself to maximum sensitivity to accommodate changing products. Fuzzy logic recognizes the product profile and evaluates the product's conductivity ... generating 100% traceable documentation of the process data.

Boekels EWK 1000 PLUS Compact Checkweigher ...

... makes it even easier for you to start with in-line monitoring and even comply with the requirements for legal metrology, with 2 weighing ranges (0–3 kg, $e = 1$ g | 0–6 kg, $e = 2$ g). It's highly flexible for adapting to a variety of weighing bench dimensions – up to 500 × 300 mm. The IP65 checkweigher is a maintenance-free motor and trend controller software. It can be connected to the quality control system Sartorius ProControl for Windows, (SPCfWin). This makes the EWK 1000 PLUS a stainless steel checkweigher of choice in the chemical industry.

Boekels High-Capacity Checkweigher WS 30 kg | WS 60 kg ...

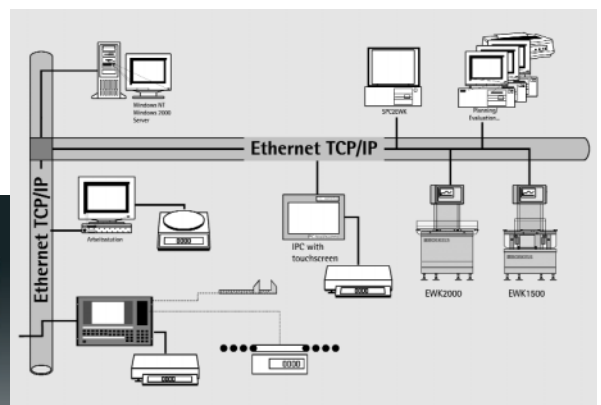
... the right checkweigher for any weight range. The rugged weighing system in conjunction with the electronic EWK evaluator constitutes a genuine high-performance checkweigher for monitoring weights, checking the completeness of products in bulk packages, sacks, boxes, bags and combination packages. This legal-for-trade checkweigher guarantees compliance with your country's legal prepackage requirements. It interfaces with the quality assurance system Sartorius ProControl for Windows (SPCfWin).

SartoPac Basic ...

... provides the compact, fast basis for reliable average weight control of prepackaged products. Located right at the production line or in your quality assurance lab, it enables you to check, document and evaluate up to 100 products within a minimum of space. Moreover, in the SPC mode, you can monitor your process within user-definable limits (2 -T limits and 2 +T limits). At the press of a key, you have instant access to all main functions. SartoPac Basic facilitates entering real product names and lot numbers. The isoTEST function with its self-testing, calibration, adjustment and documentation capabilities makes SartoPac Basic the ISO-compliant test equipment you can rely on ... even in hazardous areas.

Sartorius ProControl for Windows ...

... called SPCfWin for short. This software makes essential inline checkweighing and monitoring functions simple and "compatible": statistical process control, average weight control or checking the net weight of prepackaged products, and attribute testing. The configurable capabilities of SPCfWin allow easy custom-tailored process evaluation. SPCfWin offers you unbeatable graphical evaluation functions and affordable archiving over the years – your "system for proof of compliance" of your production processes. Sartorius ProControl for Windows is easy to integrate into any data-processing environment.



We're ready to help you wherever you need us – worldwide service from a single source

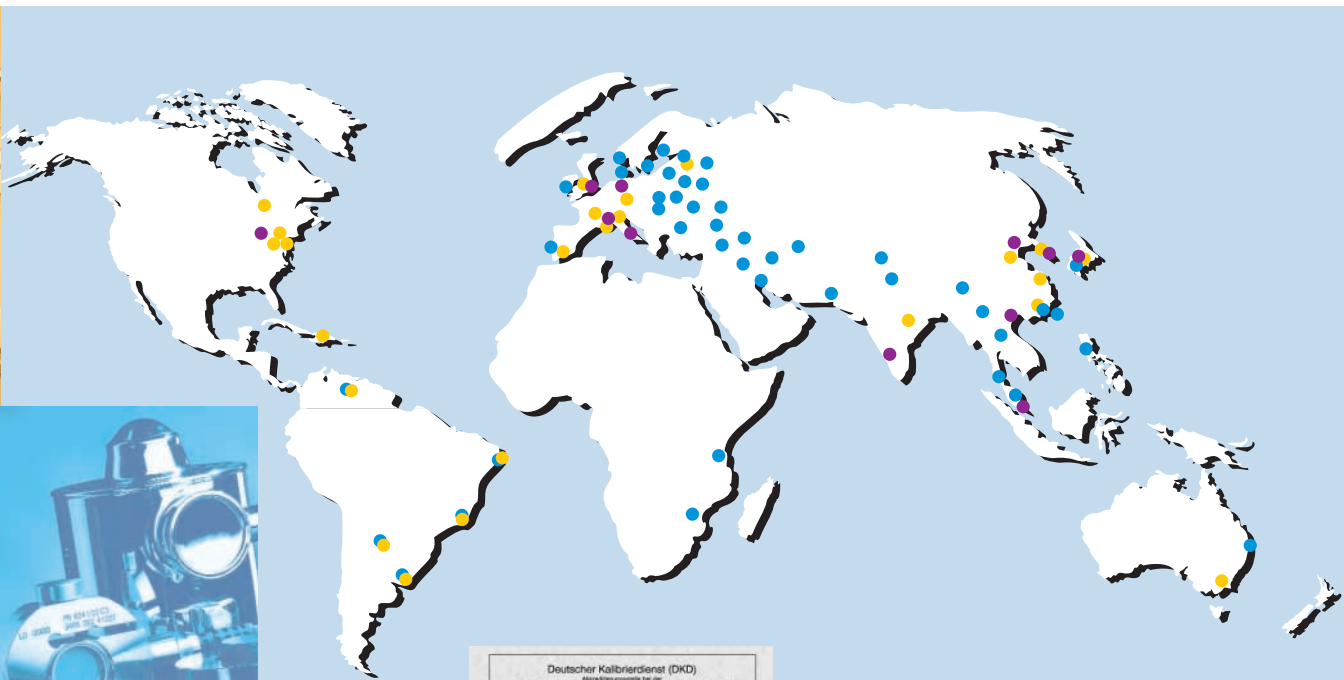
Under the umbrella of the Sartorius Group, the Sartorius, GWT and Boekels brands are represented in a global network – for sales and distribution, technical service and research in the field of weighing technology.

Each location combines the expertise of all our brands for the benefit of our customers – and to ensure your success.

Represented in 160 countries, we place a premium on being near you when it comes to offering service support. And just think, in Germany alone, we have more than 80 highly knowledgeable service technicians to assist you.

To us, service means:

- Providing you with expert advice right from the start concerning applications in weighing and process engineering
- GLP/GMP-compliant equipment qualification – IQ | OQ | PQ
- Logging the weighing results and certifying your weighing equipment
- Accrediting your equipment concerning its uncertainty of measurement according to the German Calibration Service (DKD); this service extends from microbalances all the way to 3-t platform scales
- Offering first-rate repair, exchange and spare parts services
- Providing online services
- Conducting product training courses
- Preparing your weighing equipment for initial and subsequent verification for use in legal metrology
- Offering service and maintenance agreements



In 1994, Sartorius was the first calibration laboratory in Germany for electronic laboratory balances and industrial scales to ever have been audited and accredited for mass as the unit of measure.

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