![KIW logo]

Kontrols & Industrial Weighing

EWK 3000 checkweighers
From standard to premium solutions

sartorius
mechatronics

turning science into solutions

High-performance weighing technology for special requirements

Sartorius checkweighers of the CD (Clean Design) series have been designed for a broad spectrum of applications, and ensure the highest accuracy and in-service availability throughout their lifetime.

Stainless steel versions and completely or partially encased weighing systems provide application-specific solutions in both dry and wet environments.

EWK 3000 checkweighers meet – and exceed – exceptionally tough requirements on hygiene and cleaning procedures. They are the preferred equipment for the production of foods, pharmaceuticals and personal care articles.

Rugged industrial PC technology immune to interference and a fast bus system (CANopen standard) ensure reliable communication among all components of the checkweighing system.

An advanced 32-bit multitasking operating system and sophisticated software guarantee flexibility and performance reserves.

The facts you can rely on

Display and operator's station, ergonomically exemplary, swivel-mounted control head, powerful industrial PC electronics unit, TFT, DSTN color screen, elegantly simple operation requiring only four keys, reporting via built-in printer, communications port or through USBPrint and USB memory stick

Sartorius weigh cell, with electromagnetic force compensation, monolithic robotically etched high-tech Sartorius measuring system, cutting-edge DSP electronics with CANopen bus – all superfast, ultra-precise and exceptionally rugged

Weigher stand, sturdy stainless steel type, partially or fully encased, for a broad range of hygienic and cleanliness requirements

The EWK 3000 checkweigher series provides a wide range of checkweighers with capacities from 700 g to 60 kg. Customized versions and full integratability into the quality assurance system Sartorius ProControl for Windows® (SPCfWin) are available to satisfy virtually any requirements.

Weigh systems from 700 g to 60 kg

Standard deviation from 0.01 g and up

Verifiable as legal for trade according to OIML R51

Throughput rates up to 600 products/min.

Flexible transport heights and belt speeds

Optional all-stainless-steel models

Easy, no-tool removal of conveying belts for extra-easy cleaning

Enclosure protection up to IP65

HACCP-compliant superstructures

Optional 21CFR Part 11 compliance for networking with an appropriate IT system

Volume control for a defined product density

Complete integration into the Sartorius ProControl for Windows® (SPCfWin) QA system, including central base-data management and central tare and density management

Trend control, statistics software (EC Council directive on prepackaged products), various serial, bus and fieldbus interfaces plus ingenious handling and sorting technology for the best-possible customization

EWK 3000

EWK 3010
Play your joker

In designing the EWK 3000, we placed a premium on context-sensitive operation. The menu structure is similar to that of Windows® and is thus self-explanatory.

Informative and operating elements are logically grouped, and especially important information is highlighted. For example, the background of the extra-large weight display can be color-coded to immediately alert the operator to any weight deviations.

You expect easy operation and direct access to essential functions, yet you want a wide variety of functions and considerably detailed analysis capabilities. The EWK 3010 gives you the best of both worlds. Using just four highlighted keys, you can effortlessly run the entire monitoring process from start to finish, i.e., final evaluation. And what about your special process-specific operations, such as filler-spout analysis? Just assign them to the joker key.

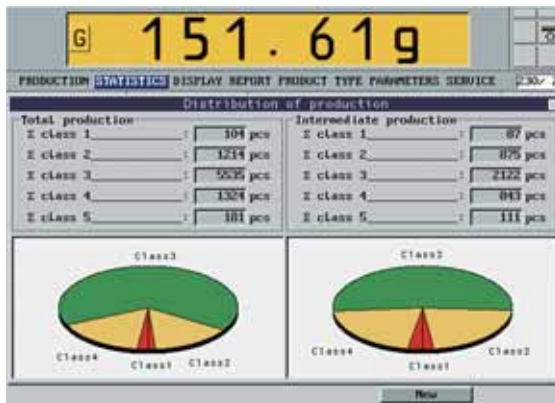One click – for any line – will activate the process that you count on most.

EWK 3010

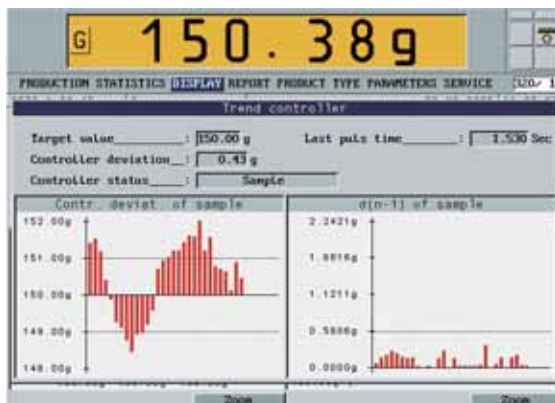**EWK 3010**
The classic version
The 10.4" TFT display on the EWK 3010 features especially high contrast and is exceptionally easy to read thanks to its wide viewing angle, even under unfavorable lighting conditions. This feature gives the user peace of mind for error-free operation.

The joker key for direct access to the most important function

Product statistics provide information on process efficiency at all times

The optional trend control feature enables efficient adjustment of the filler spout to ensure optimal use of raw materials without give-away as well as full compliance with prepackage regulations to prevent underfilling

EWK 3015 TS   Optimale Information

EWK 3015TS

EWK 3015TS
The new dimension
You can look all over for the function keys, but you won't find any! Why? The extra-large and clear 15" TFT display is equipped with an industry-compatible, resistant touchscreen. This truly advanced check-weigher features information that is easy to read from a distance, and fully context-sensitive prompting.

The extra-large display we implemented can be read reliably even from a considerable distance.

The weight-dependent back-ground color enables the operator to immediately identify the particular class of the weight as it appears on the screen.

Weight above +T2

Weight between –T1 and +T1

Weight between +T1 and +T2

Weight between –T2 and –T1

Weight below –T2

EWK 3000
Reporting systems

Growing regulation of industrial processes by supply agreements, standards, such as IFS (International Food Standard) and laws (e.g., EU prepackage directive, the EU Regulation No. 178/2000 on traceability, HACCP, FDA) requires completely traceable recording of process parameters. Sartorius offers you the ideal solution for any requirements:

Built-on printer

The tape printer with a paper rolling device features IP65 protection in an industrial-grade enclosure. The easy-to-close cover with a viewing window enables the operator to clearly read the current printout, yet the printer housing is leak-tight according to industrial standards. All printouts, such as input reports, intermediate reports, batch reports and final reports, can be generated either manually at the press of a key or automatically.

USBPrint

Sartorius USBPrint offers the right solution to all those who cannot or do not wish to install a network, but prefer to save data easily when on the move. With any commercially available brand of USB memory stick, the Sartorius USBPrint option enables fast and easy, and, above all, paperless transfer of report data to this convenient storage medium.

The Sartorius EWK 3000 checkweighers save all reports to their internal memory. Just insert a USB stick into the USB data transfer port – which is easy to access – on the front of the checkweigher. This USB port is covered by an IP65 cap and therefore ideal for use in tough industrial environments. The archiving function of the checkweigher is automatically activated as soon as the USB stick is plugged into the port. All relevant data are saved in the advanced Internet-based XML format on the Sartorius USB stick. Afterwards, these data can be opened on any PC on which a commercially available Web browser is installed, such as Mozilla Firefox or Internet Explorer, and viewed, forwarded by e-mail and archived. Microsoft® Excel 2003 offers an import function for XML documents. This enables report data to be conveniently formatted, evaluated, stored, accumulated and graphically displayed or converted into other popular formats.

Sartorius USBPrint is thus systematically based on commercial standards to ensure optimal compatibility, a safe investment in the future and affordable operation.

The archiving function of the EWK 3000 checkweigher can be locked by password to protect data from being tampered with. The source data are not deleted until after successful transfer has been completed.

EWK 3000 with conveniently accessible, integrated USBPrint interface port; the closing cap guarantees splashproof sealing.

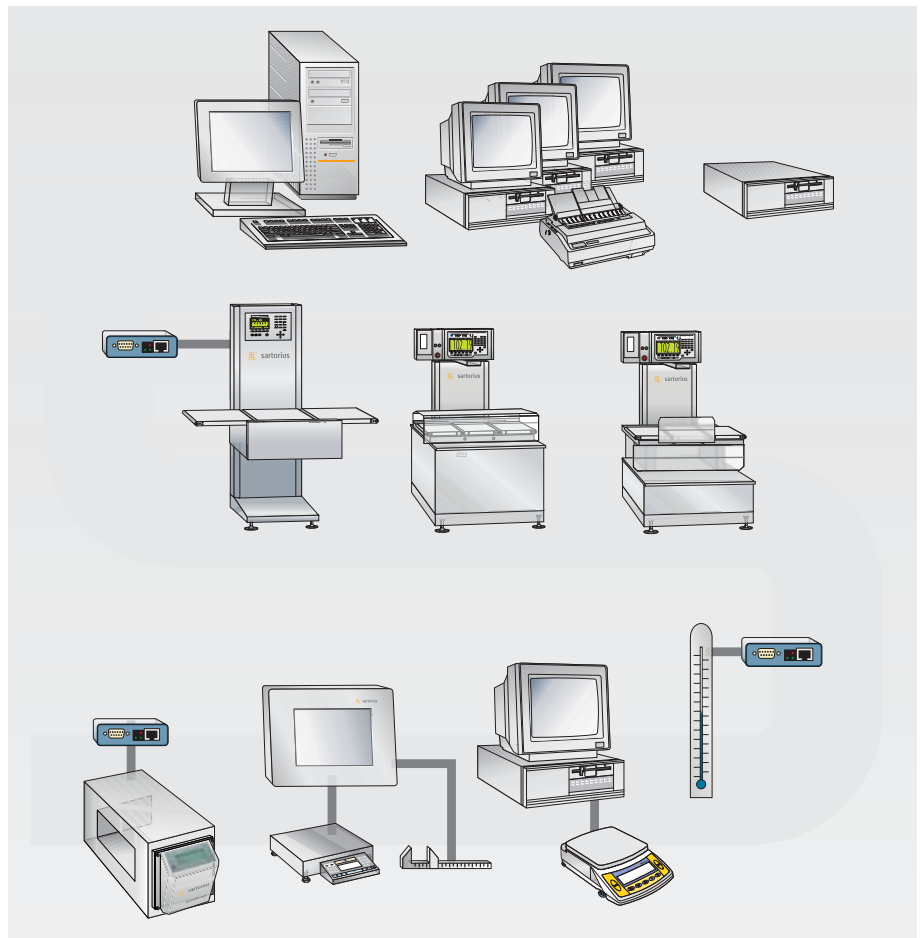EWK 3010 with industrial-grade, built-on tape printer

**Network connectivity to
Sartorius ProControl for Windows®**
Sartorius EWK 3000 series checkweighers
offer 100% traceable monitoring and
statistical documentation of all weights
recorded.

Networked with the quality assurance
system Sartorius ProControl for Windows®,
all EWK 3000 checkweighers connected can
be conveniently and efficiently monitored.

All intermediate statistics are saved to
the database nearly simultaneously as they
are generated.

Monitoring and evaluation modules give
you a complete overview of the progress
of a production process at any time,
enabling you to take corrective action
ahead of time before the efficiency of your
process is compromised.

The QA system Sartorius ProControl for Windows® designed for central planning,
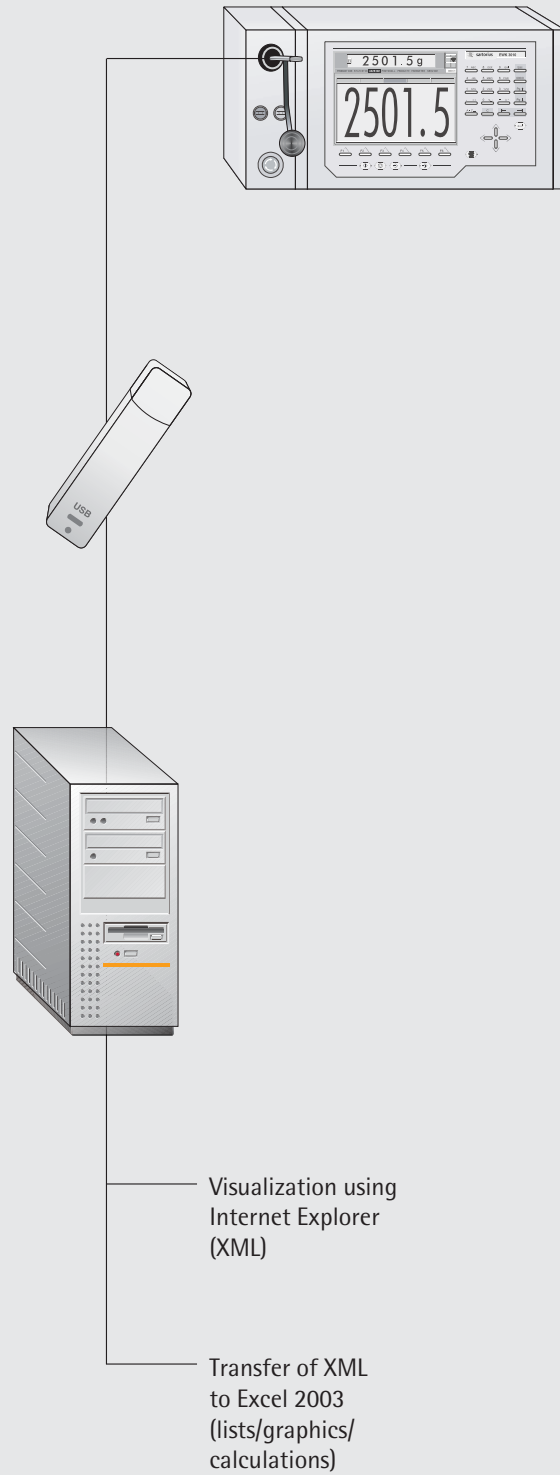monitoring and archiving of the most diverse test attributes

Production statistics
An overview of all three versions
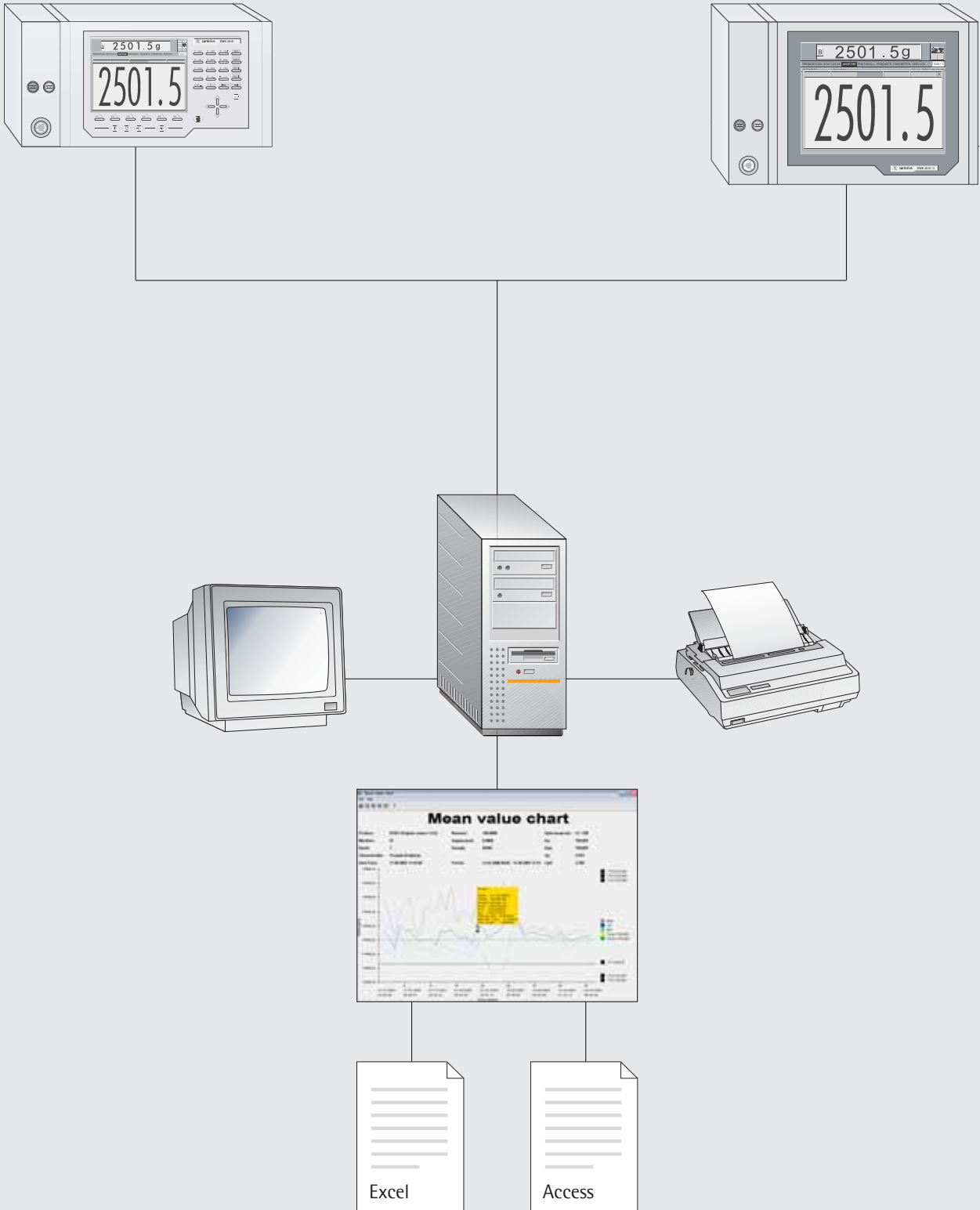
Built-on printer

USBPrint with USB port

Visualization using
Internet Explorer
(XML)

Transfer of XML
to Excel 2003
(lists/graphics/
calculations)

Ethernet

2501.5g
2501.5

2501.5g
2501.5

Mean value chart

Excel

Access

What else you can expect of Sartorius

Sartorius checkweighers are approved for verification as legal for trade by the weights and measures offices in all countries of Europe. Moreover, they have all the features needed for checking the completeness and nominal quantities of prepackaged products. An exceptionally wide variety of electronic evaluation units and weighing systems enables you to find the right solution for just about any application.

Moreover, we offer a broad range of options to ensure both flexibility and future-proof investment.

Trend controllers for automatic control of the filling elements help to maintain production line efficiency at a high level

Data interfaces facilitate remote indication and evaluation of weight data

Communication interfaces with the standard fieldbus systems and PC networks enable data-processing links and remote control

Multi-stage password protection prevents the checkweigher from being set to the wrong parameters

On-the-spot data logging on an easy-to-retrofit, encapsulated thermal printer or on an external printer documents your batches in black and white

USBPrint is an elegant and modern-day alternative for electronic data recording and archiving for all those who do not have a network
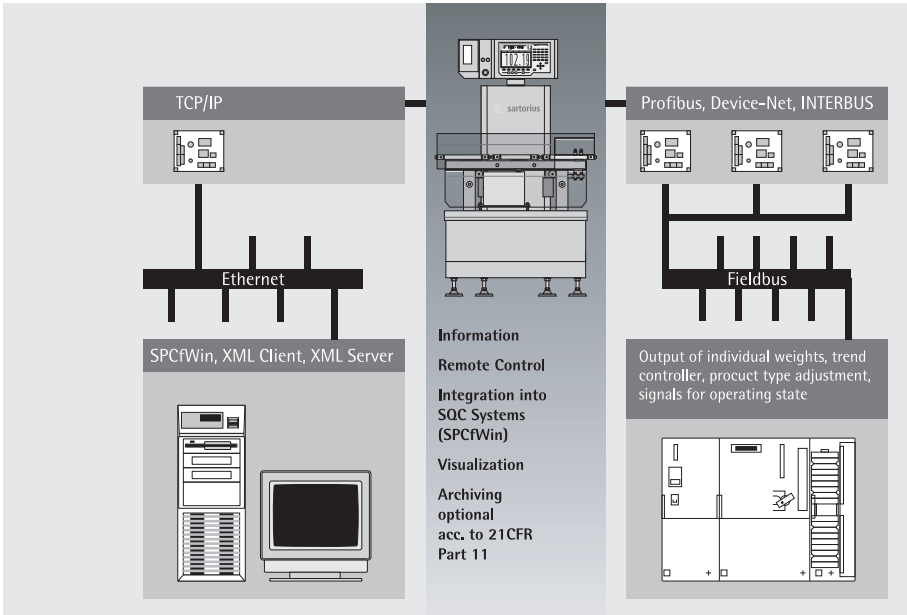
Full-range monitoring of the mean values and automatic –T1 and series rejection guarantee maximum reliability

Combination systems with an integrated metal detector are available

The CD (clean design) weighing system offers the highest protection against exceptionally rigorous cleaning and is also extremely easy to clean thoroughly

Multi-line systems enable space-saving designs with the highest throughput rates

Branch-specific and customized hardware and software are our fortes – typical examples include our variable-limits program for monitoring the package integrity and our sophisticated analysis and control of multiple-head filling machines

Multiple performance all from a single source – Checkweigher plus metal detector

Combining a MDP metal detector and an EWK 3000 checkweigher adds up to a number of special advantages: minimal assembly dimensions, maximal detection sensitivity via multifrequency technology, fuzzy logic and unbeatable weighing accuracy.

Sartorius designs and builds all the essential components. Applying cutting-edge methods in our production facilities, we develop our own fast, ultra-precise weigh cells, handling systems and weigher stands, providing the highest achievable precision, future-oriented metal-detection and weighing electronics and sophisticated software. From our first exploratory meeting with the customer to our reliable, continuing after-sales support, we offer our users a complete package of reliable services.

Please feel free to contact one of our sales consultants for further information

Kontrols & Industrial Weighing
Unit 6A, 11 Bryants Rd
Dandenong, 3175 VIC
AUSTRALIA

Tel. +61 3 9791 5569
Fax. +61 3 9791 5589
e-mail: sales@kiw.com.au
www.kiw.com.au