



# Kontrols & Industrial Weighing



The Premium  
Checkweigher  
EWK 2000 PLUS  
for Dependable  
Production



sartorius



# High-capacity Weighing Systems – The Answer to Your Weighing Objectives

Our type-CD (Clean Design) checkweighers are designed for a broad range of applications. They guarantee maximum precision and availability for the duration of their long service lives.

Stainless-steel models and partially or fully encased weighing systems make for needs-appropriate solutions in wet and dry environments.

Out-of-the-ordinary hygiene requirements and cleaning procedures are fully accommodated. That makes these weighers the equipment of choice for the food-processing, pharmaceutical and hygiene-article sectors.

Rugged, interference-immune industrial-PC technology and a fast bus system (CANopen Standard) ensure reliable communication between all components of the installation.

An advanced 32-bit multitasking operating system coupled with technically sophisticated software guarantees flexibility and reserve capacity.



Ease of operation and great functionality thanks to a clear-cut, hierarchical, Windows Standard- supported menu structure.

# The Facts You Can Rely On

**Premium checkweighers** populate a broad spectrum of weighing systems with capacity ranges reaching anywhere from 600 g to 100 kg. Special-purpose models and full integrability into the Sartorius ProControl for Windows® (SPCfWin) QA system are available to satisfy practically all requirements.

- Weigh systems for up to 600 g or 100 kg
- Zones of indecision starting at  $\pm 20$  mg
- Verifiable for legal metrology according to OIML R51
- Throughput rates up to 600 products|min
- Flexible transport heights and belt speeds
- Optional all-stainless-steel models
- Simple, no-tool removal of conveying belts for extra-easy cleaning
- Enclosure protection up to IP65
- HACCP-compliant super-structures
- 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|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 best-possible customization

**Display and operator's station,** ergonomically exemplary, swivel-mounted control head, powerful industrial-PC electronics unit, DSTN color screen, elegantly simple operation requiring only four keys, reporting via built-in printer, communications interface



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

**Weigher stand,** sturdy stainless-steel type, partially or fully encased, for a broad range of hygiene/cleanliness requirements



# Play Your Joker



Joker key for direct access to your most essential function

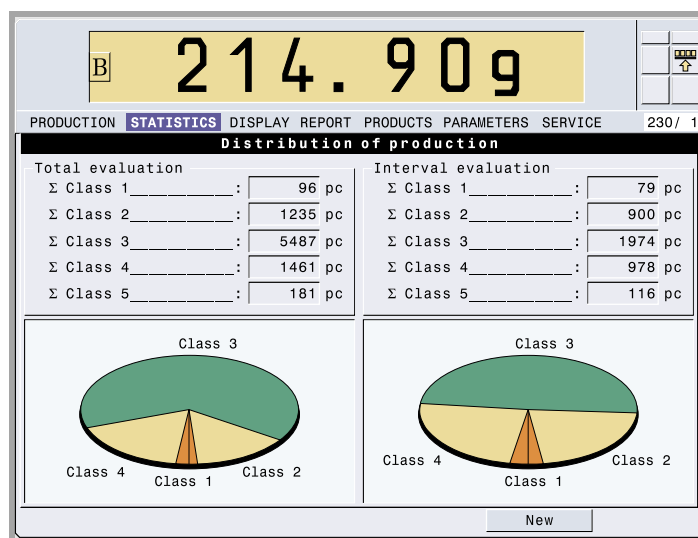
You expect ease of operation and direct access to key functions. And you also want functional variety coupled with first-rate depth of analysis. The EWK 2000 operator control concept gives you all that and more. With a mere four highlighted keys, you can "drive" the entire monitoring process from start to finish, i.e., to your final interpretation. And you can use the joker key to activate the most essential of your own particular process-specific operations, e.g., a filler-spout analysis.

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

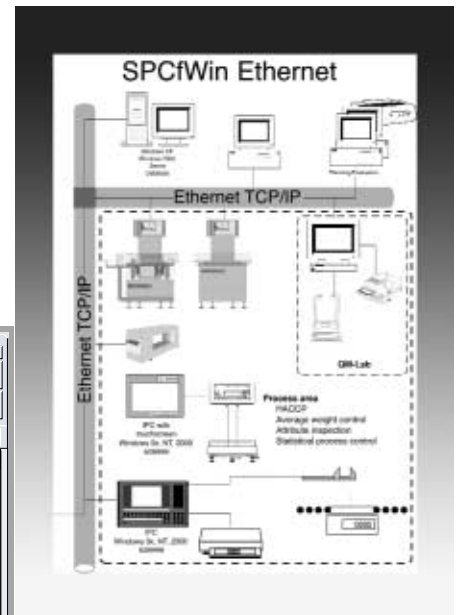
## Network integration into SPCfWin (Sartorius ProControl for Windows), 100% checking and reporting

Connection options for SQC systems make your Sartorius checkweigher a key component of your quality assurance system.

Central reporting and monitoring of all checkweighers serving a branch of production, are visualization and archiving of the full-control data yield using a commonplace standard program such as MS Excel – and all available at a low cost.



Production statistics provide information on process efficiency at all times



Integration into the Sartorius ProControl for Windows QA system puts you in control at a central point of all your production lines and enables archiving of all process data – if so desired – for years on end

# What Else Can You Expect?

Sartorius checkweighers are cleared for verification approval by the competent metrological authorities in all countries of Europe, and they have all it takes to satisfy the EC Council Directive on prepackaged products. Their wide variety of functions and extension options ensure both flexibility and future-proof investment:

- Trend controllers prevent overfilling and underfilling
- Data interfaces facilitate remote indication/evaluation of weight data
- Communication interfaces with standard fieldbus systems and PC networks enable data-processing links and remote control
- Multi-stage password protection
- On-the-spot reporting via a readily retro-fittable thermal printer or external printer
- Full-range monitoring of average values, automatic TU1, and series rejection for guaranteed maximum reliability
- Integrated operation of a Sartorius metal detector in combined facilities

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

