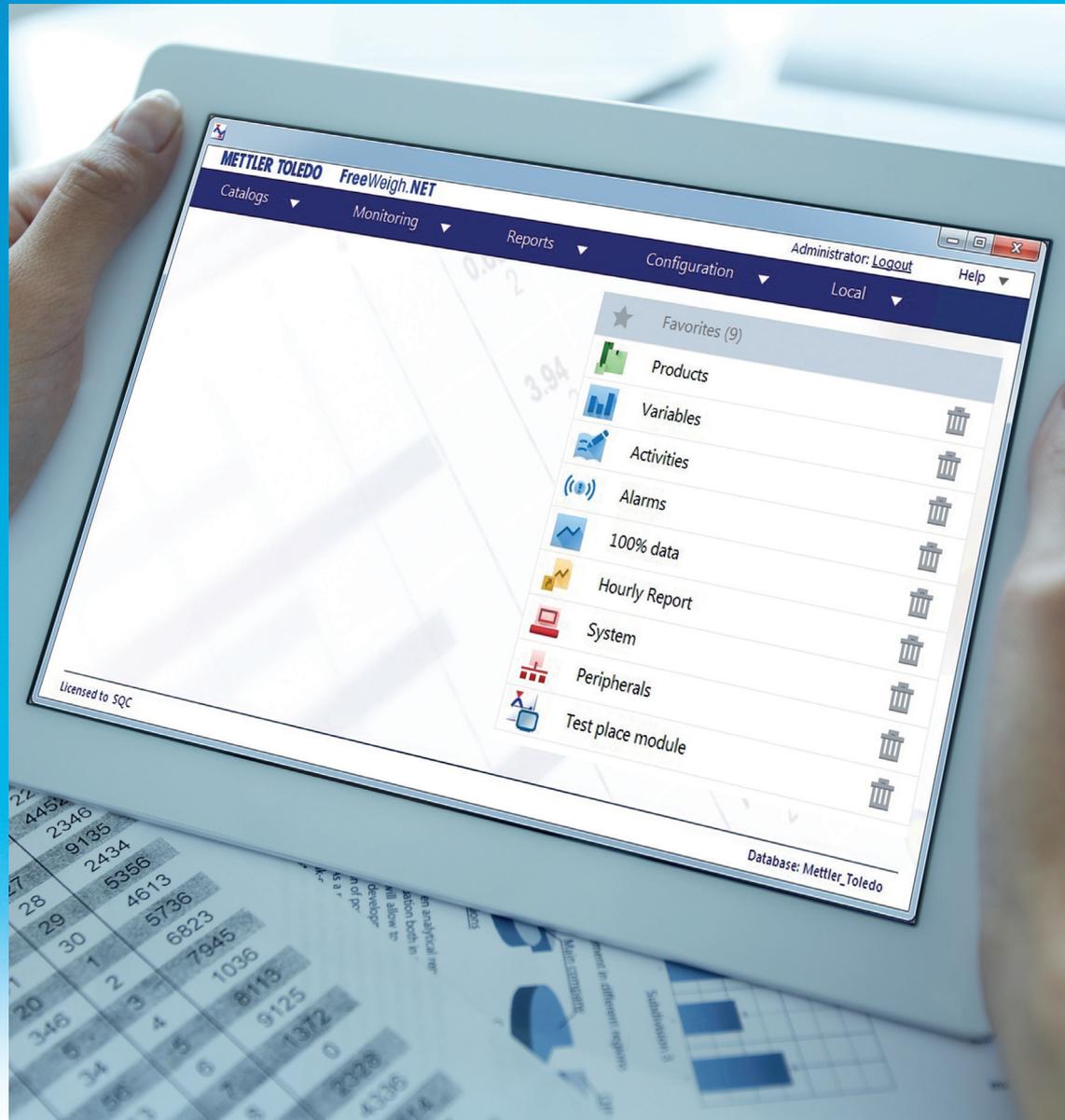


SQC



**FreeWeigh.Net®**

New dimensions in process control

**METTLER TOLEDO**

# Just a few steps to documented quality

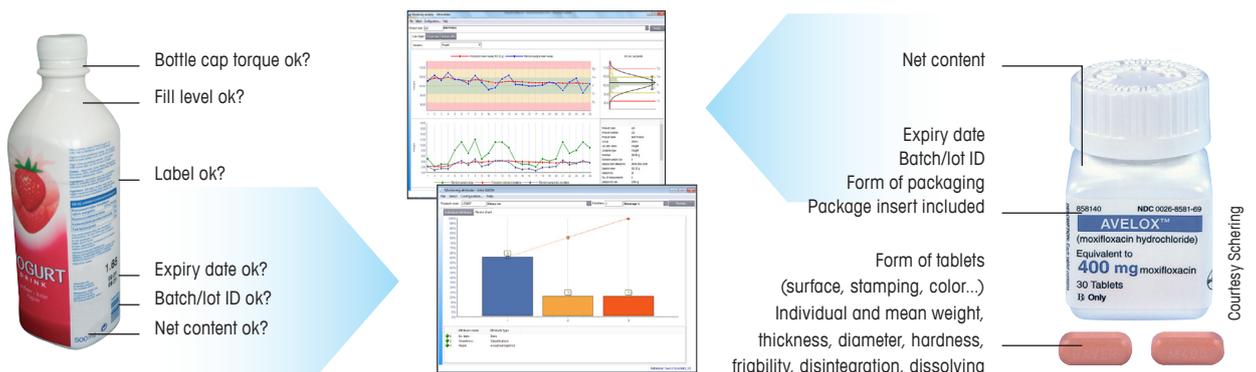
**FreeWeigh.Net® helps you get results faster. Just five simple and clear steps are required from the specification of your product right up to detailed results.**



## Comprehensive quality control with FreeWeigh.Net®

Alongside checking the fill quantity, FreeWeigh.Net® also allows you to record, monitor and document a range of quality parameters – whether additional measured values, such as the tightness of a package, torque of a bottle cap or friability of a tablet. If the measuring device used has a data interface, the re-recorded values can also be automatically transferred to FreeWeigh.Net®.

Attributive quality parameters, such as expiry date, batch number, color or taste can be recorded simply and quickly using the FreeWeigh.Net® attribute module and then visualized, for example in a Pareto chart.



# Maximize profitability

## And at the same time respect legal requirements

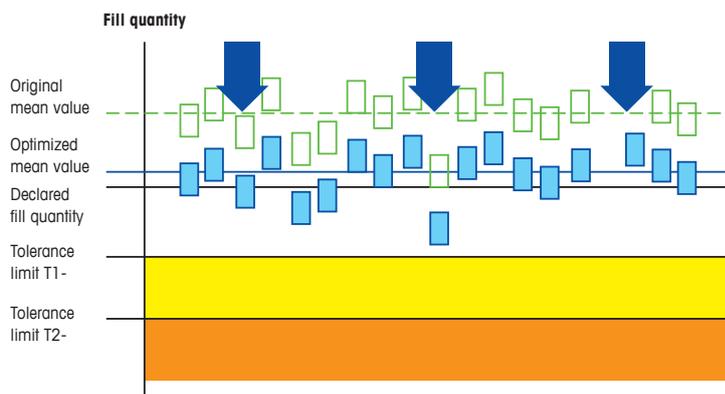
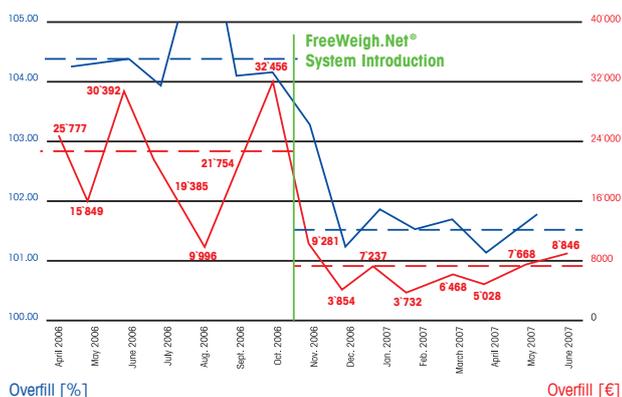
Your filling process is always under control thanks to online monitoring from FreeWeigh.Net®.

If you discover a deviation during the manufacturing process, you can immediately intervene to make a correction and achieve the optimum fill quantity without violating the legally required minimum fill quantities.

Once a production batch has been completed, you know exactly which mean value, variation and standard

deviation it has without having to wait for handwritten record sheets to be evaluated.

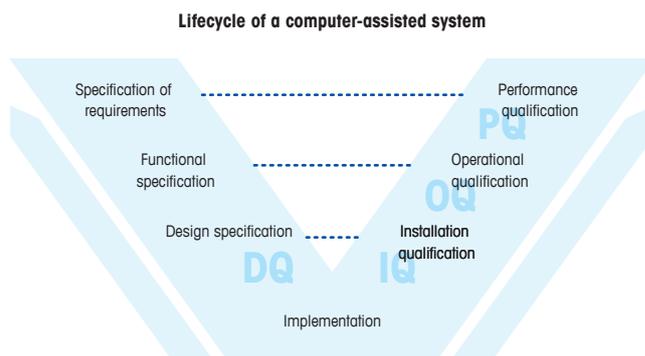
This results in optimized production profitability, while compliance with standards is documented in black and white.



## Meets the strict demands of the pharmaceutical industry

As well as complying with GMP/GAMP regulations, the computer system validation (CSV) defines, assigns and guarantees the reliability and consistency required in the process performance.

This not only includes the FreeWeigh.Net® system, but also the fully traceable development processes at METTLER TOLEDO, which make FreeWeigh.Net® an ideal quality control system for the pharmaceutical industry.



# FreeWeigh.Net®

The quality of your products is the most important factor



Space-saving solutions with remote balances



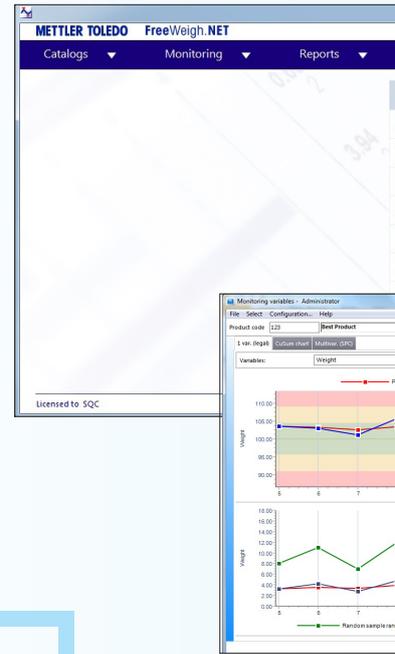
The central product catalog contains all test item definitions



Job preparation with central database



IT administration and maintenance



- Group: Butter
  - Product: Long 200g Netcontent
  - Product: Nice 100g Netcontent
  - Product: Short 200g Netcontent
  - Product: Square 100g Netcontent
- Group: Milk
  - Product: Bottle 1.5l Netcontent
  - Product: Bottle 1l
  - Product: Brick 1l
- Group: Special Products
  - Product: Liquid Cheese
  - Cap Torque
  - CO2 Content
  - Ph value
  - Weight
  - Batch number
  - Bottle
  - Expiry date
  - Label
  - Promotion Label
- Group: Yoghurt
  - Product: Strawberry 100 g Netcontent
  - Product: Strawberry 50 g Netcontent
  - Product: Vanilla 100 g Netcontent
  - Product: Vanilla 50 g Netcontent



MS SQL database



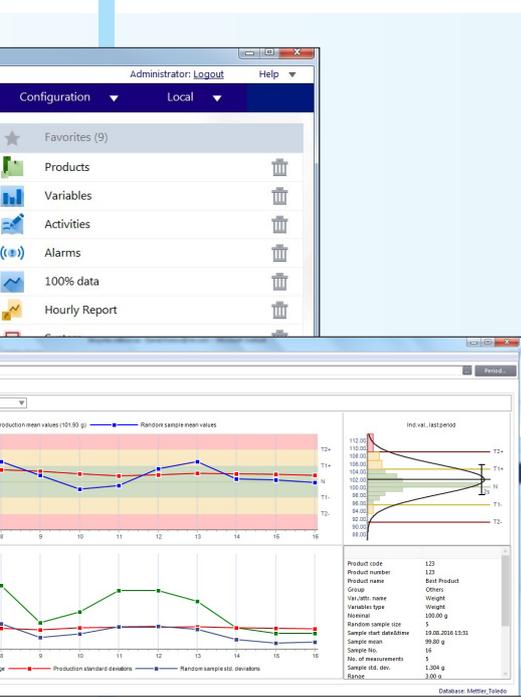
Automated checkweighing and metal detection



Simple to connect to third-party devices



Third-party devices, PLCs or any other Logic connected over XML Link



Monitoring & documentation in the office



Execution and data acquisition is quick and easy to understand



Devices in the FreeWeigh.Net® quality control system are connected to the in-house computer network. All the data recorded here is stored in the central data server. The immediately updated statistics are transmitted as a confirmation to the test sites and automatically displayed on the monitoring systems.

The modular system architecture allows quick and simple adjustments to new operating conditions.

A wide range of standard devices and specialized instruments are available for operation with the FreeWeigh.Net® system. The performance and design of this equipment allows it to be used in many different applications and ambient conditions. Additional devices can be operated using the configurable third-party device integration module.

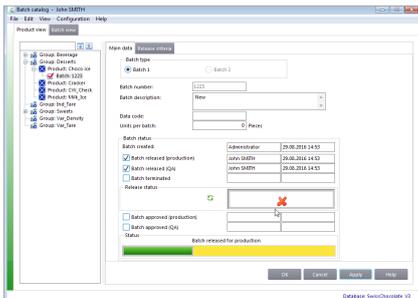
# FreeWeigh.Net® – Keeping your quality fully under control



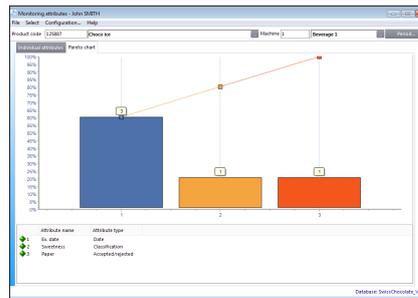
The FreeWeigh.Net® testplace module is the PC-based or Web-base workstations which controls connected devices.



Online feedback on the FreeWeigh.Net® testplace module. Updated statistics are immediately available.



The FreeWeigh.Net® batch catalog manages up to two batches running in parallel per product.



Attributive product defects can also be visualized by FreeWeigh.Net® in the Pareto chart.

Machine	Level 1	Level 2	Level 3
Batch 1: 14445 Product: 4936882 / Cuschi From 08.06.2014 09:00 to 08.07.2014 09:01	✓	✗	
<b>Machine Multitread:</b> The mean value is greater than or equal to the nominal value	Value ✓ 50.5 Limit 50.0		
<b>Period mean value greater or equal to target</b>	Value ✓ 50.5 Limit 50.0	Value ✗ 50.0 Limit 50.0	
<b>The percentage of Marginals is smaller than or equal to</b>	Value ✓ 10.00 Limit 10.00	Value ✗ 10.00 Limit 10.00	
<b>Period mean value greater than or equal to lower control limit</b>	Value ✓ 10.00 Limit 10.00	Value ✗ 10.00 Limit 10.00	
<b>Minimum number of sample series</b>	Value ✓ 2 Limit 2		
<b>Minimum number of individual values</b>	Value ✓ 10 Limit 10	Value ✗ 15 Limit 15	

For each batch, individual criteria for release can be defined. FreeWeigh.Net® monitors this to ensure that the criteria are met.

End of sample message

Please call Supervisor

Sample mean	52.4 g
Sample std. dev.	5.77 g
Minimum value	45.0 g
Maximum value	60.7 g

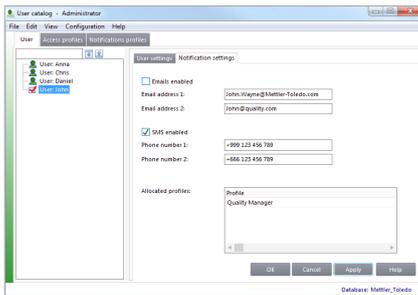
Choco

Error: 1220 T1+ violator

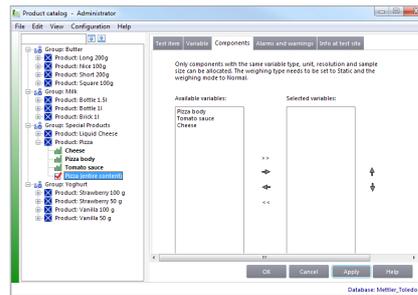
Intervention: 552 Check the filling heads

OK Cancel

The optional module «Errors & Interventions» enables you to enter the reasons for errors and the action taken in production.



FreeWeigh.Net can inform you immediately about any process deviations over SMS or eMail notification.



FreeWeigh.Net allows you to control all subcomponents of the product using Multi-Component Vertical Weighing functionality.

# FreeWeigh.Net® – The full-scope solution for your quality control



**FreeWeigh.Net®**  
Statistical Quality and Process Control

**FreeWeigh.Net - ONE tool  
to address ALL your needs**

	<b>Planning</b>
	<b>Monitoring</b>
	<b>Reporting</b>
	<b>Configuration</b>
	<b>Execution</b>

## What you require

- Minimization of overfilling and reduction in material costs
- Quick process rectification options based on online data analysis
- Compliance with net content legislation – fast and guaranteed availability of historical data as documented evidence for a comprehensive Q analysis
- Compliance with the FDA and other regulations with regard to audit trail and process control, such as 21 CFR part 11
- Simplification and rationalization of quality control processes

## What you stand to gain

- Better utilization of material batches
- Standardized operational procedures and processes
- Accelerated data acquisition and elimination of incorrect entries
- Standardized and automatic reporting
- Faster return on investment
- Improved filling accuracy and maximized profitability

## What we promise to provide

- A modern and continuously updated system for comprehensive quality control
- Linear extendibility and flexible adaption to changing conditions
- Central data storage with maximum availability
- Ideal interaction between software, hardware and peripherals
- Maximum investment protection through long-term product maintenance and proven upgrade strategies
- Intuitive operation and simple handling
- Web-base test place for easy operation and connectivity
- Space-saving input devices and measuring instruments
- Minimum training requirements and maximum avoidance of operator errors
- Clear, easy to interpret results, from which procedures can be quickly and easily derived

# Professional services

METTLER TOLEDO offers you a wide range of professional services that ensure smooth project processing and guarantee you optimum solutions:

- Comprehensive validation documentation (CSV Pac) in two volumes for supplier audits and IQ, OQ and PQ
- Support in project management and coordination through experienced project engineers
- Validation support through trained specialists
- Database and ERP integration



[www.mt.com](http://www.mt.com)

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