Solutions for
Statistical Quality Control

3 Ways to Optimize Filling
Tracking and Tracing Solutions for Cosmetics Production

METTLER TOLEDO

Why Use Statistical Quality Control?

When filling thousands of packages every day, strict process control is required to stay compliant and save costs. Our statistical quality control (SQC) solutions help to:

- Reduce overfilling based on manual sampling processes
- Improve process control and traceability
- Provide valuable statistics for cosmetic producers

Read on to see how our SQC solutions can help optimize your filling process and provide traceability.

How SQC helps to reduce filling costs?

Page 3

How can I ensure compliance?

Page 4

How can I avoid contamination risk?

Page 5

How can I Reduce Filling Costs with Statistical Quality Control?

Your Challenge

How much
do you overfill?

SQC helps to reduce overfilling and save material costs

When filling thousands of containers every day, overfilling by just one gram can result in tons of wasted material. An SQC solution shows you the result of the filling process for every controlled container, allowing you to reduce overfilling and material cost.

SPC provides process monitoring data to control and optimize filling processes

A SQC solution not only displays and stores weighing data, but provides relevant information for process control. It offers the opportunity to compare processes, optimize manual filling procedures and adjust the filling machine to optimize filling amount.

Calculate your savings with the ROI calculator

Free download
www.mt.com/Ind-calc-sqc

How to Fulfill Global Regulations?

Your Challenge

Be compliant to regulations and label requirements

Every cosmetic producer has to ensure their products meet global standards for adequate consumer protection. Software solutions with built in net content control provides assurance in fulfilling all relevant regulations.

Ensure data integrity to promote complete traceability

Good documentation constitutes an essential part of any quality assurance system. Additionally, authorities focus more on complete traceability. A fully networked software solution eliminates paper based solutions and ensures full data integrity.

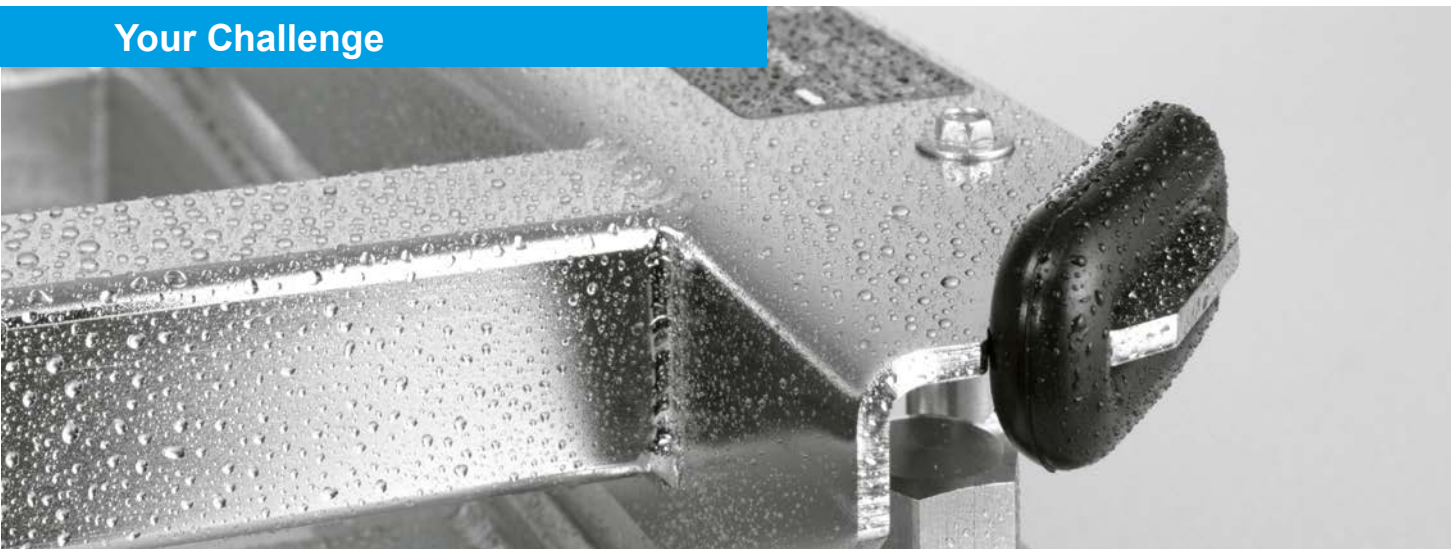**Statistical Quality Control Guide**

Free Download
www.mt.com/ind-sqc-guide

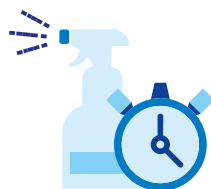## How to Reduce the Risk of Contamination in Net Content Control?

Your Challenge

Reduce contamination risks with hygienically designed equipment

Bench scales for net content control are in areas where outside elements can contaminate products. Poorly designed scales can increase contamination risk more than many people realize. Hygienically designed scales reduce this risk.

Speed up cleaning procedures to save time

Hygienically designed scales not only offer fewer spots for contaminants to accumulate, but are easily accessible for cleaning. This reduces effort and allows for more efficient cleaning procedures.

4 Tools for Efficient Cleaning of Scales

Free download
www.mt.com/ind-cleaning-tools

Solutions for Statistical Quality Control

METTLER TOLEDO offers a variety of solutions to reduce overfilling and achieve compliance to net content control regulations.

1. User Friendly All-In-One Solution for One Test Place

2. PC Based Stand Alone Solution for One Test Place

3. Comprehensive Networked Solution for Multiple Test Places

All-In-One Solution Used for One Test Place

Your Solution

IND890SQC – a user-friendly all-in-one standalone solution for Statistical Quality Control with touch screen and intuitive user interface.

▶ **www.mt.com/IND890SQC**

IND890SQC

IND890SQC is a complete, stand alone solution containing everything you need for single station Statistical Quality Control. No IT infrastructure nor skilled technical personnel are needed to fulfill legal requirements.

Clear user guidance with a touch screen

IND890SQC, with its touch screen and intuitive user interface guides the operator through the process and provides statistical reports. The terminal is IP69K protected and can effectively be washed down.

IND890SQC in Production

Watch Video
www.mt.com/Ind890SQC

Stand Alone Solution Used for One Test Place

Your Solution

FreeWeigh.Net Compact offers all basic functionality from FreeWeigh.Net®
for one test place.

▶ www.mt.com/FreeWeighnet-compact

FreeWeigh.Net® Compact

The comprehensive stand alone version of FreeWeigh.Net® is ideal for producers needing a highly capable SQC system with SQL database.

The expandable PC based solution

FreeWeigh.Net compact is designed as a basic SQC package for one test place. The solution can be easily upgraded to the complete FreeWeigh.Net system and handle multiple test places.

Expand your knowledge

Free Download
www.mt.com/freeweighnet

3. Comprehensive Networked Solution

METTLER TOLEDO | 9

Networked Solution Used for Multiple Test Places

⌂

Your Solution

FreeWeigh.Net for SQC & SPC is a PC-based software solution that enables tight and compliant production control as well as process optimization.

▶ **www.mt.com/freeweigh**

Networked solution

The powerful, networked SQC system, is for factory wide data acquisition and features MS SQL database. The modular system offers several ways for process optimization and can grow with your business.

Check more than the fill level

Alongside checking the fill quantity, Free-Weigh.Net® also allows you to record, monitor and document a range of quality parameters, such as product temperature, torque of a bottle cap or the quality of your label.

Check out the product in action

Watch Video
www.mt.com/freeweighnet

Bench Scales for Cosmetics Production

Your Solution

Random sampling for statistical quality control is typically done on a bench scale. These scales should fulfil the net content purpose with regards to accuracy, production and cleaning requirements.

▶ **www.mt.com/ics-scales**

Robust and precise bench scales

METTELR TOLEDO offers a broad range of precision scales for net content control. Depending on the environment and the required level of precision, typically PBK9 or ICS6 platforms with ICS terminals are used.

Contamination-proof design

The ICS689 product line is designed using the latest hygienic design guidelines including EHEDG or NSF. This includes an IP69K protected terminal, hermetic sealed load cells and hygienically designed platform with easy cleaning access to all areas.

The ICS Bench Scale Family

Free Download
www.mt.com/ics689

Increase Uptime and Optimize Process

Our Solution

We support and service your measurement equipment throughout its entire life-cycle, including installation, preventive maintenance, repair, and ongoing calibration at required intervals. Our comprehensive service portfolio will help you run your production operation at maximum efficiency.

▸ **www.mt.com/service**

Comprehensive service packages

Our service packages support cosmetic manufacturers from installation through re-placement. Each package is designed to ensure your equipment always runs at peak performance.

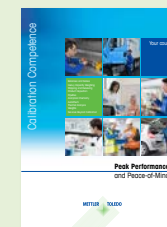▸ **www.mt.com/service**

GWP® certifies your equipment

GWP® provides documented guidance for ensuring reproducible weighing results. Cosmetic manufacturers can use GWP® as the benchmark to select and calibrate their weighing equipment and prove that it is fit-for-purpose.

▸ **www.mt.com/gwp**

Ensure continuous peak performance

Free download
www.mt.com/calibration-competence

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Statistical Process and Quality Control

Explore our statistical quality control product page.
Learn from our array of resources, including:

Guides
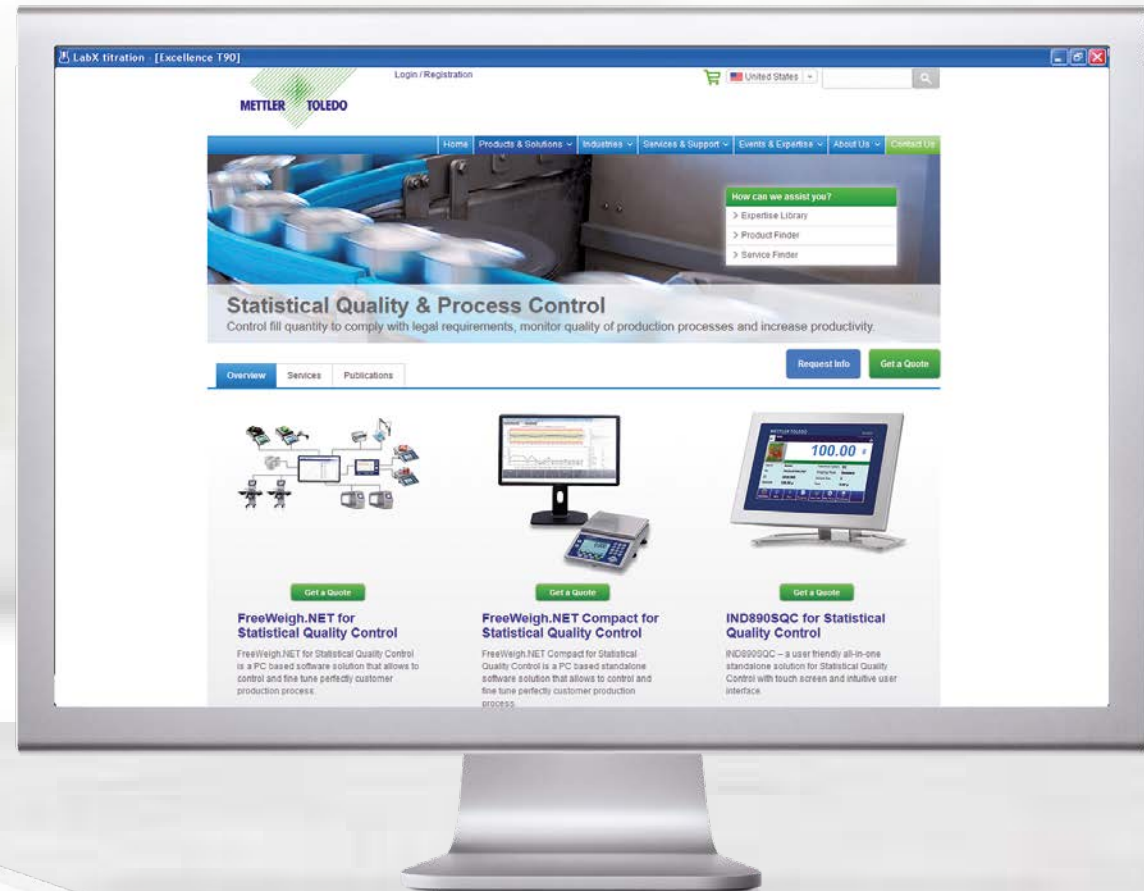Statistical Quality Control Guide

Videos
Learn how our tools are used in food production

SQC Solutions
Discover our three SQC solutions

Learn more under:

▶ **www.mt.com/sqc**

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Industrial Division
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