



MELISCOUT  
vision engineering



**Quality Assurance | Pharmaceutical Industry**  
Tablet and Capsule Inspection for Bottle Filling Machines

COUNT SECURE – The Tablet Inspection System

# Every Tablet Counts!



Tablets packaged in bottles – showing typical errors.

Tablet and capsule inspection simultaneously during the bottle filling process is becoming more important in the GMP environment. The challenge: Large volume batch production together with one hundred percent product security.

**Meliscout • Vision Engineering** has accepted this challenge and developed in close collaboration with the pharmaceutical industry an inspection system for bottle filling, which prevents product mix ups. COUNT SECURE detects and removes any kind of tablets and capsules under GMP conditions and in parallel on each individual vibrating for product failures such as:

- I Wrong color of tablets and capsules,
- I wrong sized tablets and capsules,
- I broken tablets and capsules,
- I uncoated tablets,
- I tablets with spots of different color,

and removes detected mixed up or defective tablets and capsules quickly, separately, and parallel on every vibrating plate track of the bottle filling machine.

## Quick and accurate

Prior to depositing into bottles each tablet or capsule will be inspected. High resolution color camera inspection takes place directly on the electro-polished steel or anodized aluminum vibrator conveyor sheet. Product defects will be detected by the high speed vision system and will be ejected automatically. **A special feature:** The COUNT SECURE has a unique ejection system which positions itself close to the rejected tablet. Each conveyor track has its own suction mechanism (trunk), which jumps close to the misspelled tablet and removes it, by vacuum, away from the packaging process and faster than a single suction trunk, which is responsible for all. Count Secure Suction Trunk Does Not Require Repositioning. The total output of the counting machine is maintained almost unaffected in this way. An integrated ejection crosscheck guarantees that the defective tablet was safely removed.

Moreover Meliscout tablets inspection system is easy to clean, easy to use and may be integrated and retrofitted in any common type of tablet-counting bottle filling machine. The entire suction mechanism can be quickly removed enabling ease of access to the vibrator for cleaning, maintenance purposes and changing format parts.

**The benefits of the COUNT SECURE at a glance**

- I The system can inspect tablets, capsules and hard and soft gelatin capsules.
- I The inspection can be performed on single or multi-colored products.
- I Even capsules or tablets with print can be inspected.
- I Meets GMP requirements.
- I User-guided teach in assistance.
- I Automatic audit trail.\*
- I Meets 21 CFR Part 11 requirements.\*

**Powerful, intelligent and adaptable**

- I The COUNT SECURE is widely scalable across multiple product conveyor trays.
- I Can handle 12 vibration channels and more simultaneously.
- I Each vibration channel has its own suction-eject- trunk.
- I Memory for over 1000 formats.
- I Can be integrated and retrofitted into any standard type counting bottle filling machine.
- I Intuitive: The software guides the operator in simple steps to create a format.
- I Large touchscreen display with glass surface or directly integrated into the HMI of the machine.
- I Designed for GMP cleaning protocols.

\* = optional

We build COUNT SECURE with industrial components of the highest quality and longest life cycle ...

**... to Protect Your Products!**



The tablet counting system COUNT SECURE in use.



**Meliscout GmbH**

Hindenburgstrasse 14  
64665 Alsbach-Hähnlein  
Phone +49 6257 963 9863-0  
Email [info@meliscout.com](mailto:info@meliscout.com)  
[www.meliscout.com](http://www.meliscout.com)