Optimal use of checkweigher data

Mobile Monitor for Checkweighers

KST series

- ☑ View real time measured values
- ☑ Display checkweigher data graphically
- ☑ View production statistics
- ☑ Display alarm information

What is a mobile monitor?
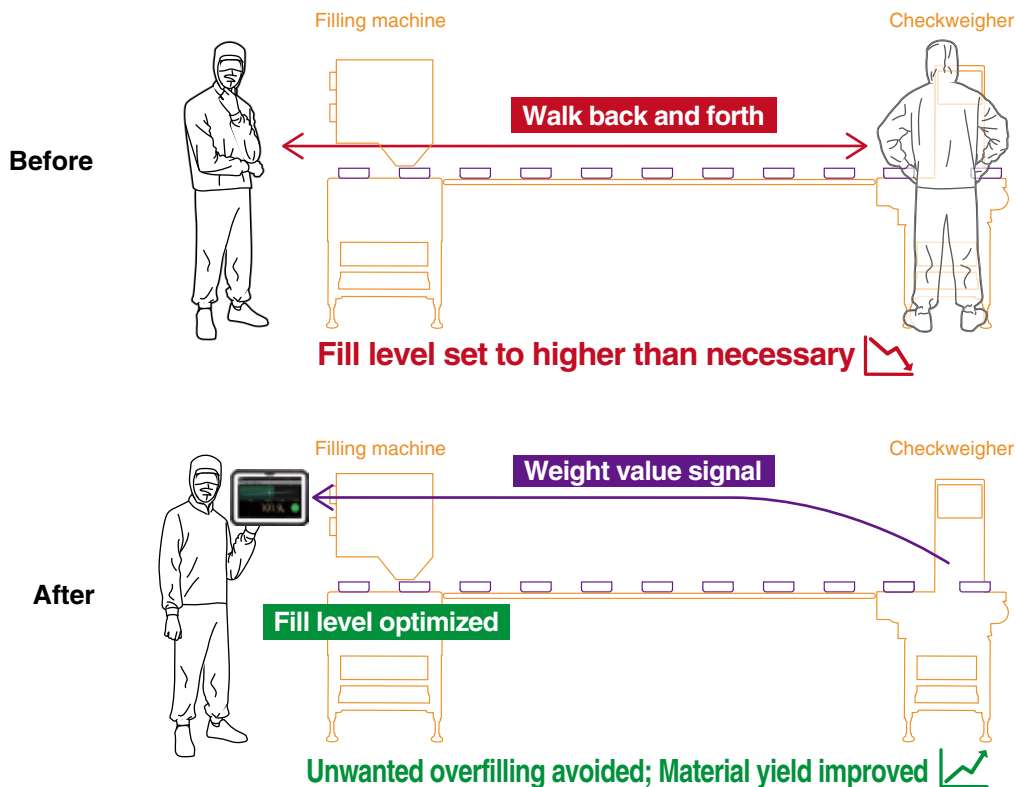

Mobile Monitor

Wireless connection

Checkweigher

Anritsu Mobile Monitor is a mobile application for Android tablet computers that allows for real time viewing of checkweigher operation including measurement data and statistics from remote locations. Connected to your checkweigher via wireless network, the Mobile Monitor is easy to set up with no cumbersome wiring required. You no longer need to run around your production site or sound a buzzer.

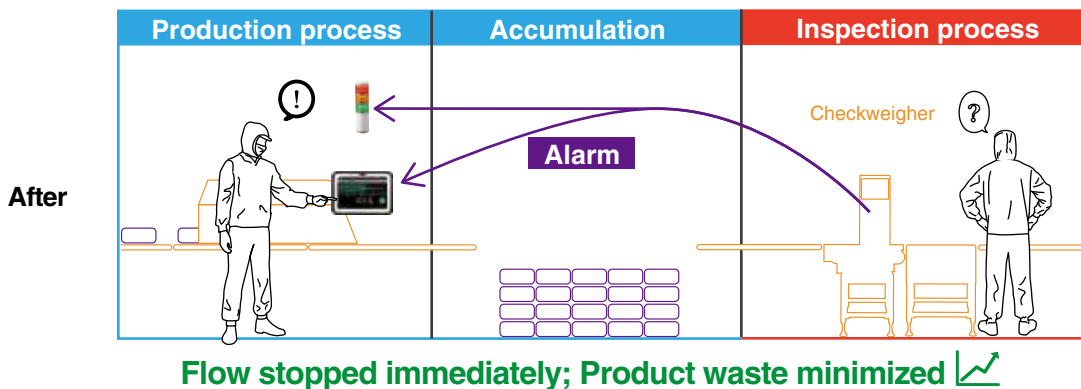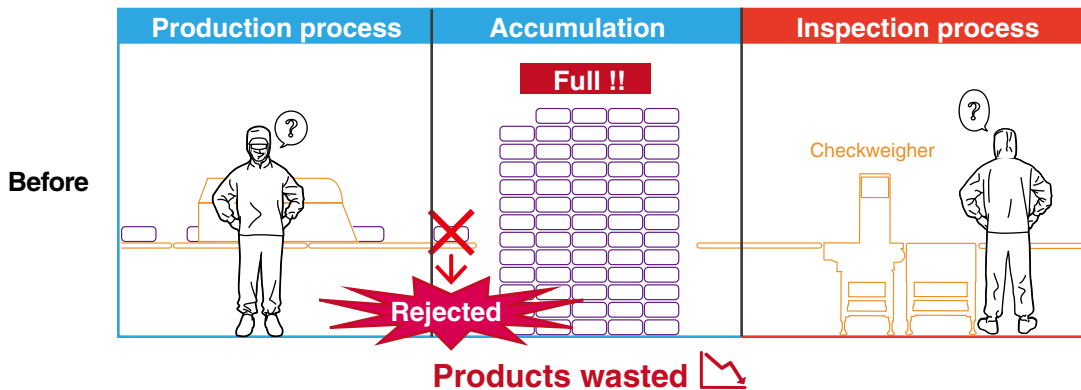## Application example 1   Filling process adjustment

The trending of measurement values are often manually monitored in adjusting the upstream filling process. However, in a factory where filling and checkweighing are located far from each other, or a hygienic zoning wall separates the two section, it is difficult to determine the optimal fill level. With the Mobile Monitor at hand, the operator can view measurement data without having to go to the checkweigher. The fill level can be optimized, achieving better efficiency and minimizing overfilling costs.

Before

Filling machine

Checkweigher

Walk back and forth

Fill level set to higher than necessary

After

Filling machine

Checkweigher

Weight value signal

Fill level optimized

Unwanted overfilling avoided; Material yield improved

Many factories have a accumulation table that provides temporary storage space for products when the production flow is interrupted due to a problem with the downstream checkweigher. If the operator fails to notice the issue and when the maximum holding time is exceeded, the accumulated products must be disposed of for quality reasons. In order not to let this affect the company's bottom line, abnormal events should be notified to the upstream manufacturing process immediately. The buzzer from the checkweigher may not be heard due to machine noise or zoning walls. With the Mobile Monitor displaying current checkweigher status, or its signal tower light alarm (optional), the operator can realize the events at the distant checkweigher, which reduces product wastage.

Production process	Accumulation	Inspection process
	Full !!	

Before

Checkweigher

✕
↓
Rejected

Products wasted 📉

Production process	Accumulation	Inspection process

After

Alarm

Checkweigher

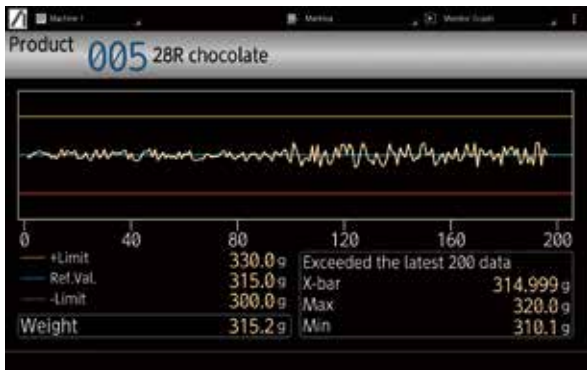**Flow stopped immediately; Product waste minimized** 📈

Enlarged bar
Individual weight and evaluation

X-bar
Long-term trending

Graph
Short-term trending

Statistics
Total count and statistics

Specifications

This product includes software only. You must have your own Android tablet computer to use it. The software can be installed on only one tablet computer.

Software

Connectable equipment	Checkweigher SV series and SSV series
Maximum product number	100 products (for both SV and SSV)
Connectable equipment number	6 units
Maximum processing speed	1,000 pieces/min (depends on tablet capacity)
Maximum display data	1,000 data (batch number, individual data number)
Functions	Alarm display function (mean value, rejection rates, metal NG, +NG, -NG), Sound notification function, Signal tower light alarm notification function

System Requirement

Operating system	Android™ 4.0, 4.1
Resolution	1280x800 or 1920x1200
I/O port	USB port or SD/micro SD card slot (for installation)

/Anritsu envision : ensure

• Some products shown in this catalog may not be available in your country or region.
  Contact our sales representatives for details.
• To ensure proper operation, read the Operation Manual before using the machine.
• In addition to daily inspection, a full maintenance inspection should be completed annually.