

# Checkweigher

for every kind of package and component parts

## TC 8000 Series



the best way to weigh

- **easy-to-use operation via colour touch-screen display**
- **different password protected levels**
- **customized design of the operator interface**
- **machine self-diagnosis with plain text error messages**
- **remote control via ethernet or RS232 interface**
- **tool-free change of conveyor belts**

Our checkweighers provide solutions for almost every kind of quality control. With different designs you can check packages such as cardboard boxes, bags, tins, glasses or single components by weight. For more than 40 years we have produced off-the-shelf checkweighers specifically for the pharmaceutical and food industry as well as customized machines for special tasks. Due to the outstandingly flexible software, the operating interface can be adjusted exactly to the requirements of our customers. You can select the parameters which are important for you and choose between different graphical presentations.



**COLLISCHAN**  
WEIGHING TECHNOLOGY



The **TC 8410** is a high speed checkweigher with many special features for the pharmaceutical industry. On the picture you can see the version with open flap detection, laser coding system and 21 CFR part 11 compliance.



The **TC 8420** is designed to control volumetric filling machines or part dividing machines. They can be monitored, controlled and adjusted. If required several filling heads can be adjusted separately.



With the **TC 8210 Tare-Gross** each container is weighed before and after filling. The actual content is measured with high accuracy and weight deviations of the containers are eliminated. In conjunction with a counting machine, the combination of two different systems (counting and weighing) provides the maximum certainty to exclude an error.



For applications with up to 80 weighings per minute we can deliver the static checkweigher **TC 8210** as an alternative solution to the dynamic scales. The weighing process without movement provides extraordinary accurate measuring results and enables a compact and low cost construction.



For the use in extremely rough environmental conditions (e.g. wet rooms) we offer the water jet proof checkweigher **TC 8500**. In the tinned food industry this type has produced an output of up to 450 weighings per minute for many years. The whole machine is washable with high water pressure.



Easy control jobs can be solved with our basic type **TC 8120 eco**. This application offers a 100% control with low and middle range of performance. Also in this application product wrong weights are rejected and there is a statistic function.



### Highlights:

- Colour touch-screen display with wide information
- Customized design of the operator interface
- Different password protected levels
- Logbook
- In compliance with cGMP standard
- User-friendly operation
- Output up to 450 pack./min
- Varying integrations into packaging lines
- Stainless steel housings
- Maintenance-free drive unit
- Tool-free change of conveyor belts

### Equipment and Options:

- Extensive statistical evaluation
- Statistical data and program data easy to transfer to PC
- Self-diagnostic with error messages in plain text, reaction configurable
- Flexible handling of all signals
- Download of statistic data and program data by integrated disk drive or smart card
- Nominal weight adjustment by mean weight monitoring
- Serial error
- Spacing control
- 21CFR part 11 compliance
- Open flap detection
- Control of correct length and tilted position
- Different reject systems
- Lockable reject bin
- Reject verification control
- Diverse interfaces
- Compressed air monitoring
- Overhead conveyor
- Metal detector
- Laser coding system
- Network interface
- Integrated or DIN A 4 printer
- Validation documentation IQ/OQ
- Multi-track application
- Tare-gross weighing system
- Customer-specific application

### Flexible Software:

According to your requirements and preferences you can programme the operation terminal so you can always monitor the data which is important to you. All the signals can be flexibly programmed and linked together in every possible way. Therefore the machine can be customized to your specific needs and you have the ability to determine the importance of occurrences yourself.

### Remote Function:

With the remote function you have the ability to control the scale or to monitor the parameters and the statistic with an external PC. Therefore different machines can be controlled from the same place. The integration can be done with ethernet as well as RS232 interface.

### Logbook and Statistic:

In the logbook you can trace back important interferences with date and time. Additionally the free configurable statistic informs you of all the important data. All the parameters are saved automatically. Therefore you can view data from production batches in the past. The statistical data can be illustrated as a line chart, deviation from target weight and histogram.

### Multitrack Application:

We provide compact weighing systems with several channels for the integration in multitrack production and packaging lines.

### Customized Solution:

In the development phase we work closely with our customers to solve extraordinary tasks. In a personal meeting we work out the ideal configuration of your machine together with you. The conveyor belts are customized to your packages or products by length and width to reach an optimised measuring result.

# Our additional production program

The Collischan GmbH & Co. KG, established 1928 in Nuernberg is a manufacturer of weigh fillers, checkweighers and counting machines for the chemical, pharmaceutical and food industry. The company offers one-stop customized solutions and standard products of the weighing and counting technology.



## Weigh Filler:

With the S 700 series we provide a solution for dosing most types of free flowing products. With different options available we can cover a wide range from 5 mg to 5000 g.



## Customized Weigh Filler:

Our portfolio varies from manually operated single head weigh fillers to fully automatic lines filling over 100 per minute.



## Counting Machine Minicount:

The Minicount is a small universal counting machine for all kinds and forms of tablets, capsules and dragees without format sets. Optionally a basic check weighing system for containers can be delivered to verify the counts.



## Counting Machine Multicount:

The high performance counting machine Multicount combines all technical relevant opportunities of counting tablets, capsules, dragees, etc without product specific format sets.



## Packaging Lines:

On demand, we provide solutions for filling, capping, checking and transporting as turnkey system.



WEIGHING  
COUNTING  
CHECKING  
PACKING

**COLLISCHAN**  
WEIGHING TECHNOLOGY

P.O. Box 44 02 42  
90207 Nuernberg/Germany  
Allersberger Straße 185  
90461 Nuernberg

Phone: +49 (0)911 43055-0  
Fax: +49 (0)911 43055-43  
E-mail: [info@collischan.de](mailto:info@collischan.de)  
[www.collischan.de](http://www.collischan.de)