



## PRODUCT OVERVIEW

Checkweigher, Combo, Grader,  
Inliners, InControl

Teltek are known for high-end products, flexible solutions, and systems with good communication possibilities. The Teltek products are used in all kinds of industries where there is a need to have a reliable and accurate inline control of packed and unpacked products. The main industries using Teltek systems are the food and pharma industries.

# Teltek C80

## Checkweigher

Top of the line checkweigher that fulfil every need.



### USER MANAGEMENT

The Teltek C80 Checkweigher is designed for robust applications using intuitive software based on Windows™ platform. The C80 inline checkweigher features a large 15" LED touch screen display for ease of use and maximum operator flexibility.

### BENEFITS

Top of the line checkweigher that fulfil every need. Extremely well adapted for integration in all kind of data enviroment. This checkweigher comes in the shape and flavor of your taste.

### APPLICATIONS

Designed and manufactured to the highest engineering standards with inherent reliability and longevity for use in tough, hostile environments.

### ACCURACY

The Teltek designed precision engineered weigh platforms guarantees weight stability, accuracy and repeatability.

### DESIGN

Available fabricated in stainless steel, IP65 with conveyors driven by virtually maintenance free, brushless DC motors.

### REJECTS

Teltek C80 offers a range of belt sizes and reject devices to suit customer specific needs including air blast, pusher, single or double flipper/divert arm and drop flap.

### COMMUNICATION CAPABILITIES

The Teltek C80 is feature packed with wide ranging Networking, Feedback and Communications capabilities, giving management and operators total control over their production line monitoring. Up to four parallel weighing systems can be controlled by one HMI.

### REPORTS

Teltek C80 can produce production reports in Microsoft Excel™, PDF™ and or CSV. The reports can be saved locally, downloaded to the USB port or transferred across the customer network.

### MID & CE CERTIFIED

The Teltek C80 is approved in accordance with European MID standards – assuring you obtain accurate measurement results at all times.

4 reasons to choose Teltek C80 checkweigher

» Swedish manufactured checkweigher with a high level of performance, at the right price. Type approved and verified by RISE. The given Swedish alternative, since 1984.

» Customized to your business and your requirements  
In close dialogue with us, our product experts develop the best solution for you.

» Network connection and advanced statistics.  
Open and flexible solutions for connection and statistics, database solutions, remote upport and more.

» Very simple and intuitive user interface. 15" touchscreen display with text and symbols makes everyday life easy for the operators to use.

## C80 Checkweigher

### SPECIFICATIONS:

Weight capacity:	15-60 000 grams	Environmental Conditions:	Operating temperature +5°C to +40°C Humidity 20-90% non-condensing
Accuracy:	from 0,1 grams	Power:	110/230 VAC 50/60Hz
Speed:	up to 500 ppm (depending on pack size)	Dimensions:	All checkweighers built to customer specifications (belt dimensions)
Weigh platform:	Teltek C	Conveying:	Conveying direction right to left or left to right
Display/Control panel:	15" LED touch screen	Combination System:	Metal Detector, Xray Inspection, Vision Inspection & Label applicator
Available Funtionality:	Reject confirmation, Bin full sensors, Remote access Air pressure monitor, Piece couting, Filling control, Sorting of weight zones, Safely Interlocks, Operator traceability	Software:	InControl is available to connect a network of Teltek Checkweigher in order to produce real time reporting across all production lines
Available Languages:	English, Danish, Turkish, Hungarian, Spanish, Finnish, French, Serbia, Netherlands, Russian, Romanian, Czech, German, Italian, Greek and Swedish		



# Teltek Combo

A combined checkweigher and metal detector-system creates possibilities for both functions in small spaces.



The metal detector is normally mounted on the infeed conveyor of the checkweigher.

The infeed conveyor is designed with a metal free zone according to the specification from the detector manufacturer. The conveyor is also adapted to fit the detector and in some cases a reject system.

The reject unit for metal can either be mounted before or after the weighing conveyor. Which solution to prefer depends on the space available and the desired statistic function.

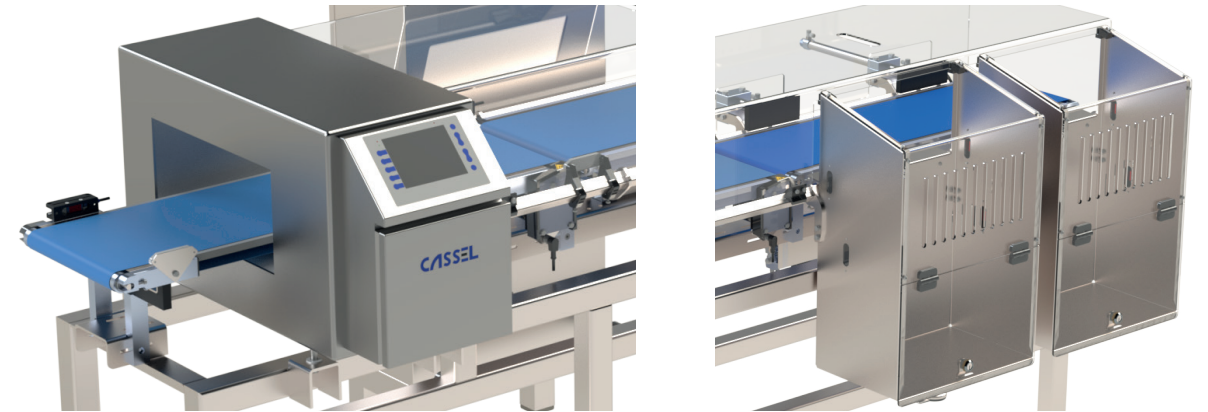
When the operator changes product in the checkweigher the information is sent to the metal detector which

automatically changes to the corresponding product.

This makes handling much easier for the operator and it minimizes the risk of the metal detector running with incorrect settings. Rejected products will normally be rejected into a lockable stainless steel bin.

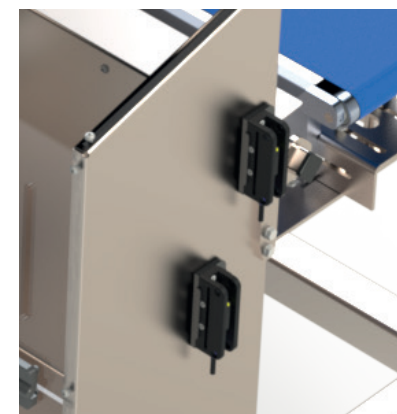
The complete solution can be delivered according to full BRC (British Retail Consortium) standard.

Cassel is the preferred metal detector brand of Telteks, but we can of course adapt our checkweighers to all brands on the market if our client has another preferred choice.



## BRC Functionality:

The extra functionality in BRC add on increases security of the checkweigher. Includes software and sensors and cables needed. Not used functions can be deactivated in software or by loop connectors on the I/O.



### Included functionality:

- BRC software in checkweigher software.
- Can be turned on and off via switches in weigher settings
- Light tower stack outputs connected to light dome
- Air pressure monitoring to detect low air pressure to reject valve
- Reject confirmation sensor for weight rejects and external rejects such as metal detector rejects.
- Bin full sensor for weight rejects and external rejects such as metal detector rejects
- Bin open sensor for weight reject bin and external reject bin such as metal detector reject bin
- Key switch to test reject system
- Key switch to reset errors
- Product que sensor for detection of product jam or stop after weigher equipment
- Photocell blocked sensor
- Error log memory saved
- MD status monitor
- MD rej . signal without FC trig

# Teltek Grader

With a single software you can weigh portions based on end weight, quantity or sort your products based on their individual weight.



- **Statistics in real time**
- **Windows™ based**
- **Modular built**
- **Hygienic design**
- **Gentle sorting methods**
- **Lots of different options/ accessories**
- **Advanced algorithms secure minimal give-away**

Teltek Grader is one of the most flexible grader solutions on the market.

Teltek have developed a unique software that allows the user to easily choose desired operation. Classic grading, batching to portion weight, to a specific quantity or combinations of these operations.

The software is Windows™ based and the operator will recognize the Windows™ environment, this makes the operator comfortable and it ensures a short learning period.

As standard the Teltek grader gets the weight input from a Teltek C-series checkweigher, but since it

# Teltek Grader

runs an open protocol it is possible to use other checkweighers, static weighers or even vision systems to provide the input data to the grader.

The system is recipe based, means that the operator in advance can store all different products and sorting methods in unique recipes. Before start up all that needs to be done is chose from the list of pre-defined recipes.

Teltek grader is available with a number of different sorting methods. Which one to use depends on product type and speed. Pneumatic diverter arms or pushers is the most common solution.

For fresh and sticky products our Lift-flap solution often proves to be the most suitable way to sort the products.

By lifting short individual sections of the grading conveyor the products will drop down to a stainless steel container or sideways facing conveyors that transports

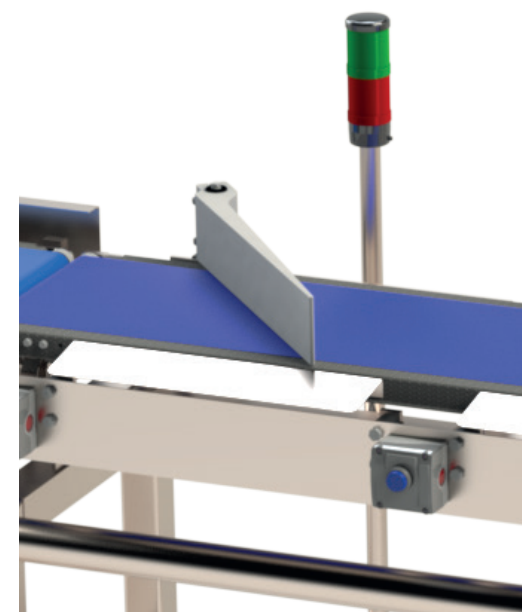
the products automatically to the next station.

The batch weight function of the grader uses advanced algorithms in order to get as close to the pre-set batch weight possible.

The software has a unique way of operating with a dynamic target weight in order to optimize the batch weight. As a result, the system will minimize the give-away which saves time and money.

The grading conveyor units are built in modules of 1600 mm in length. Depending on sorting method each module will contain two to four sorting positions. Two or more modules can be placed in series depending on how many sorting positions that is needed.

The equipment has a very hygienic design and is easy to clean. The modular belt is open top version as standard.

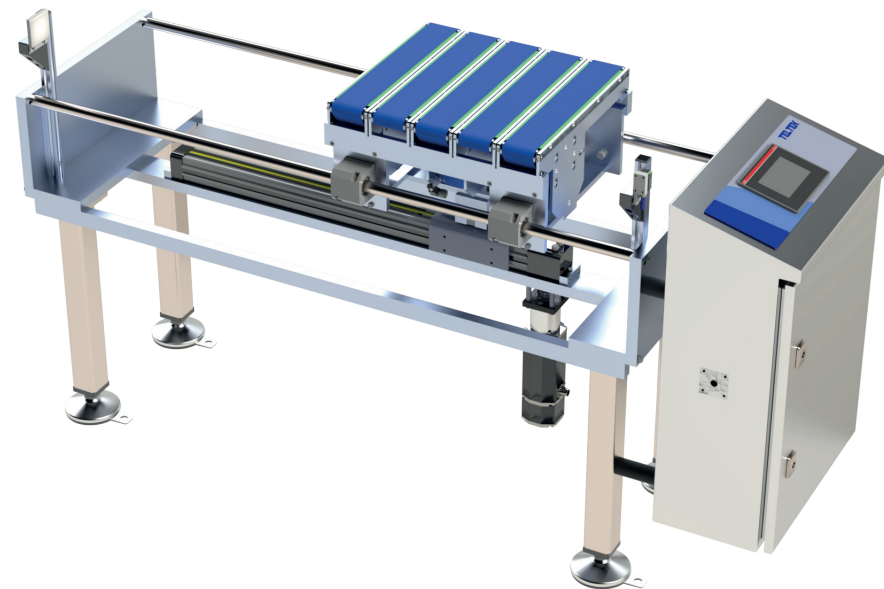




# Teltek Inliners

## Teltek LS100 & LS150

**Teltek inliners helps you to create order and structure in your production lines by receiving grouped products and delivering them in uniform lines to downstream systems.**



### Teltek LS100

Teltek LS100 is unbeatable at handling and organizing products that are difficult to move laterally, e.g. flat and/or light products.

The Teltek LS100 comes with a stainless steel stand and electronics cabinet. The conveyor units are made of anodized aluminium.

The system is controlled via a PLC system. Timers are very easy to adjust on the built in PLC display, no need for PC or special software. Start signal either from the included photocell or a trig from the packaging machine.

The operation is based on a sideways movement and out feed line by line in the exact same position.

The sideways movement is handled by a servo motor that ensures very smooth yet fast and precise operation.

It is also possible to let the LS100 make an extra separation of the products on outfeed. Capacity is determined by the length of the incoming feed and the number of conveyors.

Depending on design, the LS100 can handle a total of up to 80 products per minute.

Teltek LS100 is CE marked and can be supplied with several, very easily interchanged, conveyor options.

# Teltek Inliners



### LS150

Teltek LS150 is the fastest solution available for creating a single line of products.

The Teltek LS150 comes with a stainless steel stand and electronics cabinet. The conveyor units are made of anodized aluminium. The system is controlled via a PLC system.

Timers are very easy to adjust on the built in PLC display, no need for PC or special software.

Start signal either from the included photocell or a trig from the packaging machine. First the products are separated in length and then guided towards the center of the belt.

The design of the side guides minimizes the risk of turning the product, which simplifies the task for downstream machines.

It is also possible to let the LS150 make an extra separation of the products on outfeed. Capacity is determined by the length of the incoming feed and the number of conveyors.

Depending on design, the LS150 can handle a total of up to 150 products per minute.

Teltek LS150 is CE marked and can be supplied with several, very easily interchanged, conveyor options.

# Teltek InControl

## Production software

With Teltek InControl production software can you get an immediate overview of the ongoing production.

TELTEK REAL TIME DATA ARTICLE REGISTER HISTORICAL DATA SETTINGS						
Article name Dessert	Article number 00112244	Section Section 1	Line Line 1	Machine Android sim.	Batch 1700	Start 2019-02-04 10:54
Nominal weight 175.0 g	Giveaway 0.1 kg	Valid 193 pcs	Under 7 pcs	Over 0 pcs	Invalid 0 pcs	Total 200 pcs
Target weight 159.2 - 185.0 g	Standard deviation 4.93 g	Valid 33.9 kg	Under 1.2 kg	Over 0.0 kg	External 0 pcs	Total 35.0 kg
175.4 g Mean weight	96.5 % Valid	0.2 % Giveaway	0 pcs Pieces / min	0 pcs Pieces / min last hour		
Article name Cappuccino	Article number 2344683	Section Section 1	Line Line 1	Machine Android sim.	Batch 1267	Start 2019-02-04 10:45
Nominal weight 175.0 g	Giveaway 0.1 kg	Valid 192 pcs	Under 8 pcs	Over 0 pcs	Invalid 0 pcs	Total 200 pcs
Target weight 159.2 - 185.0 g	Standard deviation 4.59 g	Valid 33.7 kg	Under 1.3 kg	Over 0.0 kg	External 0 pcs	Total 35.0 kg
175.4 g Mean weight	96.0 % Valid	0.2 % Giveaway	0 pcs Pieces / min	0 pcs Pieces / min last hour		
Article name Caffe mocha	Article number 345623	Section Section 1	Line Line 2	Machine Android sim.	Batch 1892	Start 2019-02-04 10:54
Nominal weight 175.0 g	Giveaway 0.0 kg	Valid 190 pcs	Under 10 pcs	Over 0 pcs	Invalid 0 pcs	Total 200 pcs
Target weight 159.2 - 185.0 g	Standard deviation 4.66 g	Valid 33.3 kg	Under 1.7 kg	Over 0.0 kg	External 0 pcs	Total 35.0 kg
175.2 g Mean weight	95.0 % Valid	0.1 % Giveaway	0 pcs Pieces / min	0 pcs Pieces / min last hour		

Teltek InControl stores data so that you quickly get up to date statistics on previous runs sorted by date, product, batch, machine or production line.

You get a quick check on where problems with metal drafts are, where or when give-aways is at its highest or lowest or where the production rate is lower than normal.

InControl consists of four modules: real time data, article register, historical data and sample.

Teltek InControl is web-based and can be accessed from your regular web browser in your computer, tablet or in your mobile. There are a lot of options for filtering the data that you are interested in your business.

### Real time data

A "dashboard" that will allow the user to see the current status of all production lines.

Filtering functions available, if not all lines are of interest it is possible to filter out the lines of interest only.

The operator can filter out important information, and only this will then be visible on the screen. It is also possible to set individual limits for acceptable levels.

If for instance a line speed of minimum 50 pcs/min is expected the value on the screen will turn red to indicate if the speed goes below the set limit.

# Teltek InControl

### Article register

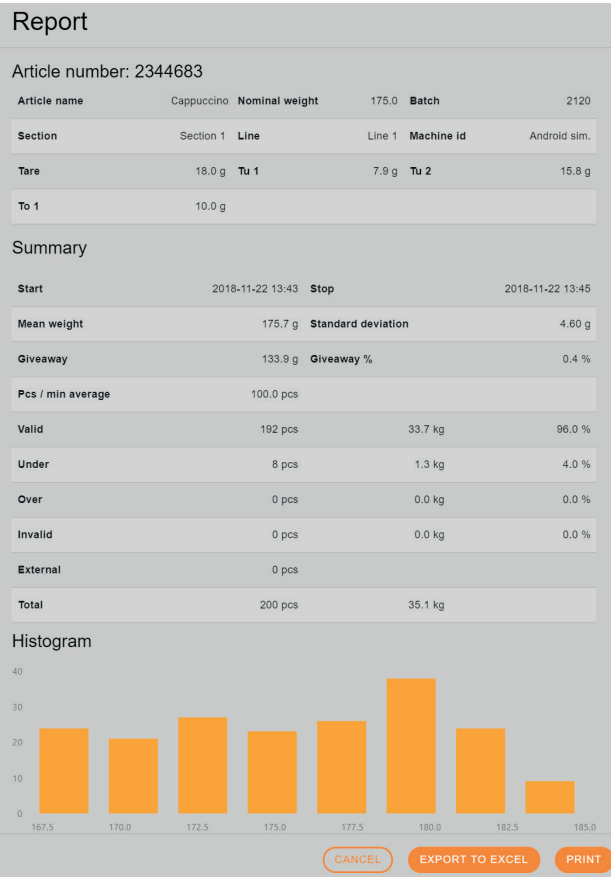
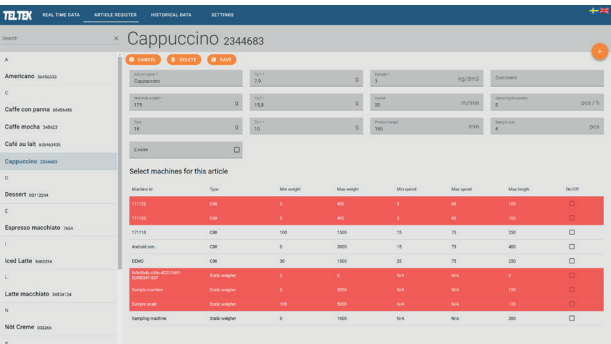
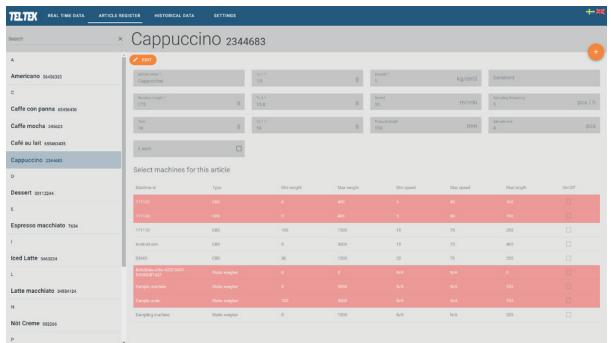
A centralised product register editor that allows the operator to enter, edit or delete products. The article register are stored in the Microsoft\_SQL database.

When the line operator changes product, the checkweigher will read the data from the Microsoft\_SQL database and get access to the correct current settings for that product.

There is also a filtering function in the centralised product register, only products relevant for running on the particular production line will be visible in the screen of the checkweigher.

### Historical data

The operator can enter a search criteria based on many different options. The software analyzes the data in the MS\_SQL database and presents reports from the chosen search criteria. The reports can be viewed on screen, printed or saved.



# Teltek InControl

## Sample

InControl sample is an effective tool for recording, storing and presentation of sample weights.

The sample weight station consists of a static scale and a network connected PC. This station can be used for multiple production lines.

On article level there are settings for the number of samples for each test, and per hour. The system monitor includes a visual alarm per line if samples are not collected at the required rate.

All registered samples are stored in the InControl database. During running of

the batch The system calculates statistics for each sample test and total for all samples since startup of the batch.

After completion, the summarized batch report can be found in the historical data module.

InControl sample have a structured and user-friendly interface. It is developed for touch screen display but can also be operated with a regular monitor.

InControl sample eliminates the use of manual paper protocols, automatically calculates all statistics, ensures that all data is securely saved and easily searchable.

New sample

1

Weigh products

✓

✓

3

4

428.4 g

CONTINUE

CANCEL

2

Summary

New sample

✓

Weigh products

2

Summary

Total statistics

Ok:	Tu1 - Tu2	Under	Mean weight
6 pcs	0 pcs	0 pcs	176.5 g
Giveaway	Standard deviation	Target weight	
0.9 %	0 g	175 g	

Current sample

Ok:	Tu1 - Tu2	Under	Mean weight
2 pcs	0 pcs	0 pcs	176.5 g
Giveaway	Standard deviation	Target weight	
0.9 %	0 g	175 g	

DONE



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