TELTEK

Checkweighers
Metal detectors
X-ray systems
Labeling
Inliners

www.teltek.se

About Teltek…

Teltek develops, designs, manufactures and sells dynamic checkweighers and peripheral equipment. The checkweighers have integrated computer systems that weighs, sorts and handles products in a production line.

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 has a wide international customer base. Sales are handled both directly or through a network of carefully chosen distributors.

Teltek is also the Nordic distributor for the German brand Cassel who supplies metal detector and x-ray inspection solutions for industrial purposes.
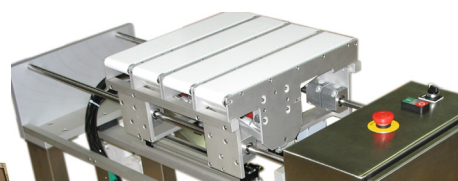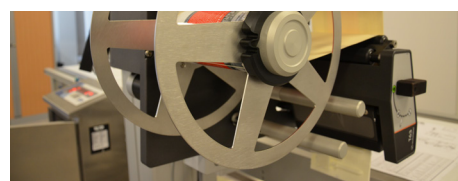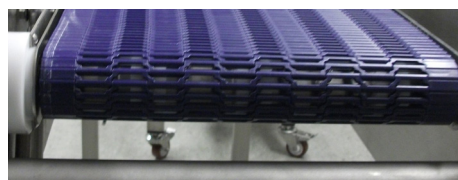
Teltek is situated in Örebro, Sweden, about 200 km west of Stockholm. The main highway between Stockholm and Gothenburg passes just a few hundred meters from our location. There are also good communications with five international airports that can be reached in less than two hours by car or train. The nearest airport is Örebro Airport that has daily flight connections with Copenhagen.

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We customize all products
for your needs and requirements

Made in Sweden since 1984

TELTEK

3

CHECKWEIGHERS

PROBABLY THE BEST CHECKWEIGHER IN THE WORLD

- Air pressure monitoring
- Individual reject settings for each product
- Energy save mode for conveyors
- System monitoring with error output
- Outputs for light tower
- Integration of metal detector, mechanically and in software
- Trend control feedback for fillers

- Monitoring of production-speed
- Monitoring of give away
- Back up sensor input
- Reject confirmation
- Bin full alarm
- External start/stop inputs

TELTEK

C80 is a high performance checkweigher, built for every requirement with the possibility to control multiple lanes in a compact sytem.

Teltek C80 is a Windows™ based in line checkweigher featuring a 15" touch- screen display for ease of use and maximum operator flexibility. Designed and manufactured to the highest engineering standard for use in tough environments.

The precision engineered C80 weigh platform guarantees weight stability, accuracy and repeatability. Available fabricated in stainless steel, IP65 with conveyors driven by maintenance free brushless DC motors.

The 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 rejects.
The Teltek C80 is feature with wide ranging networking, feedback and communications capabilities, (wired or wireless) giving management and operators a total control over their production.
A metal detector integrated combination unit is also available.
Up to four parallel weighing systems can be controlled by one user interface.

- **Windows™**

- **15" touch screen**

- **Quick belt release**

- **500 products per minute**

- **Advanced statistic functions**

- **MID homologation, CE certification**

- **Up to four weighing systems per user control unit**

The C80 checkweigher is easy to clean with quick belt release (accessory) and incorporates an open stainless steel and corrosion free load cell, guaranteeing trouble-free weighing.

Full BRC specification available.
(BRC = British Retail Consortium)

The specification of the checkweigher will be adapted to your needs.

Teltek C60 is a technical advanced checkweigher and is built for high demands regarding accuracy, reliability and good possibilities for communication.

The Teltek C60 is computer based and features advanced electronics and customizable software. The system uses a high contrast, 15" VGA color screen which gives razor sharp displays not only of weighing results, charts of individual weights and averages but also of information on the article being processed. The menu system make full use of drop-down sub-menus which help operators get the most out of the system. Product changes and alterations in product details can be made quickly and easily with a minimum of downtime. The function keys are integrated on the display which eliminates the need of external keyboard.

The precision engineered C60 weigh platform guarantees weight stability, accuracy and repeatability. Designed and manufactured with highest reliability for use in tough environments.
The conveyors are made for a minimum of maintenance and are driven by maintenance free brushless DC-motors.

The C60 offers a wide 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. Combine C60 with a label printer/applicator, a metal detector or both, or let the checkweigher control your filler to achieve a lower level of give-away.

The Teltek C60 standard software includes a article register that gives the possibilities for up to 250 individual settings for tare, nominal weight, upper and lower weight limits, TU2 and conveyor speed. Other menus permit adjustments of a variety of printouts and diagnostic testing. The systems statistical capabilities include averages, standard deviation and weight charts.

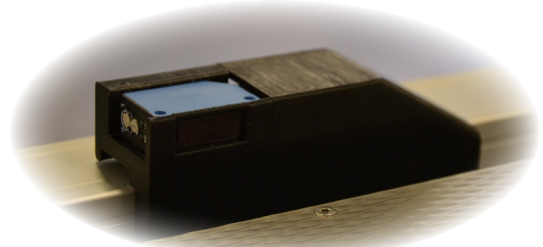Full BRC specification available. (BRC = British Retail Consortium)

- **15" VGA display**

- **Designed for minimum of maintenance and ease-of-use**

- **Networking capability and serial communication**

- **MID homologation, CE certification**

The specification of the checkweigher will be adapted to your needs.

C20 is a slim, easy-to-use checkweigher with the same high quality as the other checkweighers in the C-series.

The C20 is mainly built for easier applications where statistics and more advanced functions are not necessary.

The precision engineered C20 weigh platform gurantees weight stability, accuracy and repeatability. Available in stainless steel, IP65 with conveyors driven by maintenance free brushless DC motors.
The C20 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.

The C20 comes with a easy-to-use display with settings for nominal weight, over and underweight.

The display makes it easy to change the parameters for the product running.

The belt dimensions of the Teltek C20 are adapted to suit any kind of application, from big bags of seed to small boxes of candy
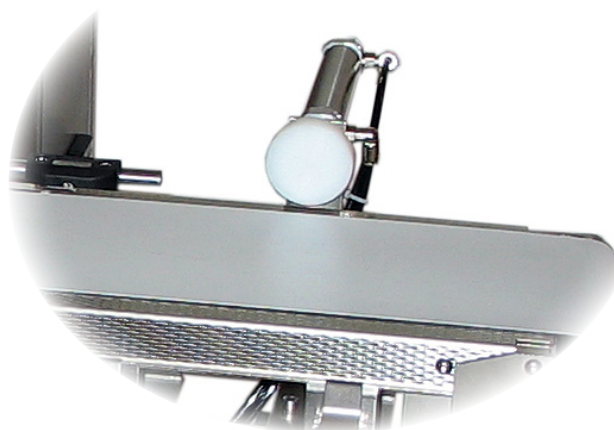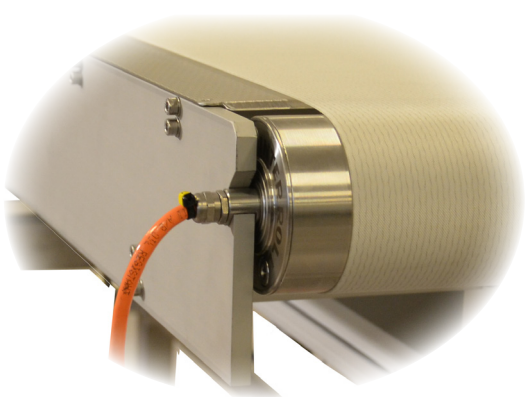
- **Small and flexible**
- **High speed combined with high accuracy**
- **Designed for minimum of maintenance and ease of use**
- **MID homologation, CE certification**

The specification of the checkweigher will be adapted to your needs.

All Teltek checkweighers can be combined with metal detector

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.
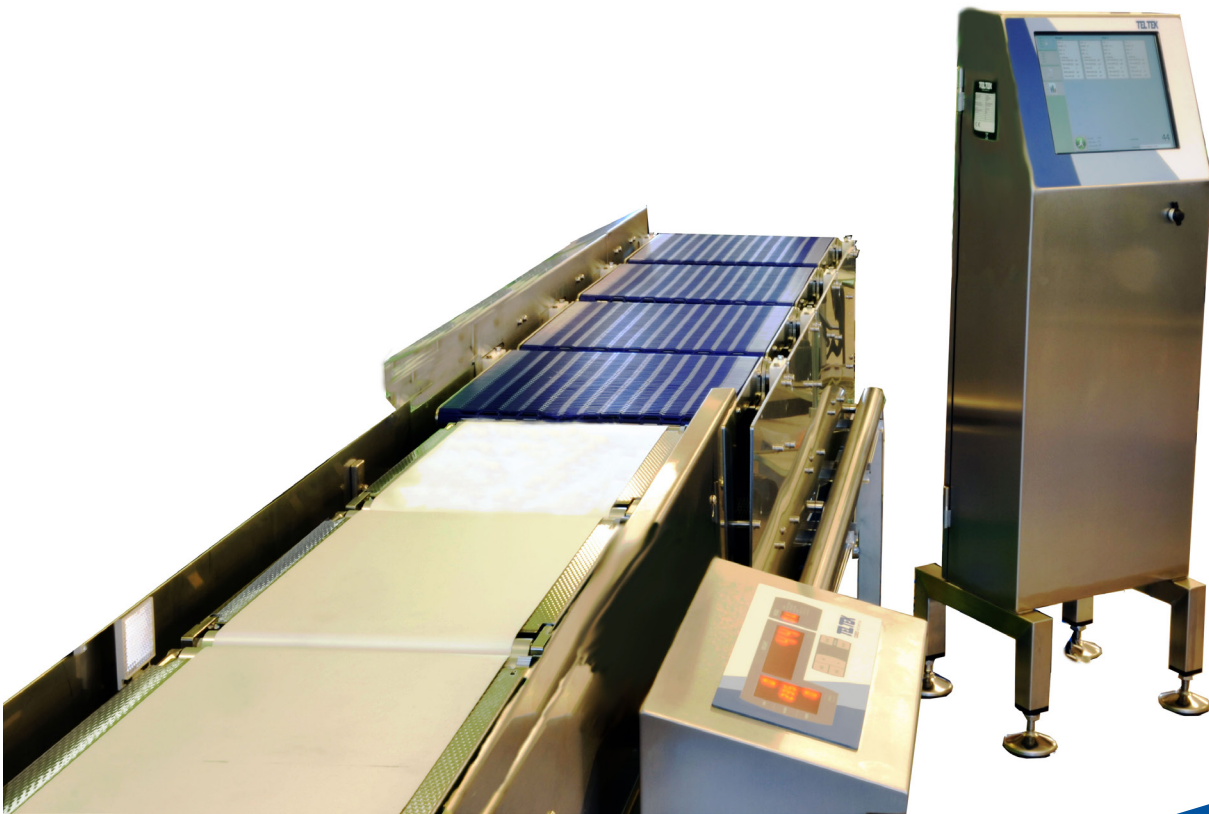
Rejected products will normally be rejected into a lockable stainless steel bin.

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

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.

GRADER

- 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

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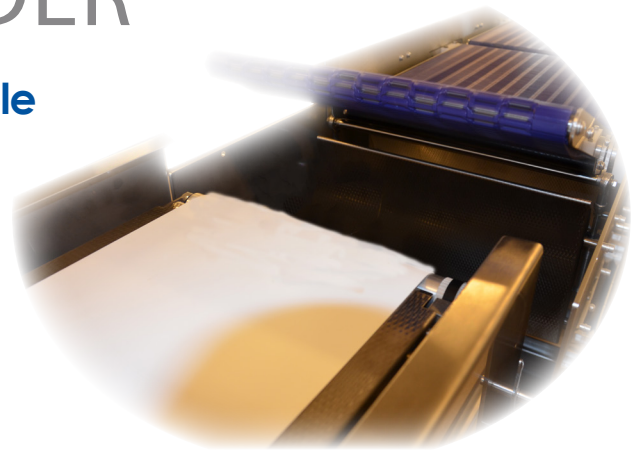
By lifting short individual sections of the grading conveyor the products will drop down to a stainless steel container or sideways facing conveyors that transports the products automatically to the next station.

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.
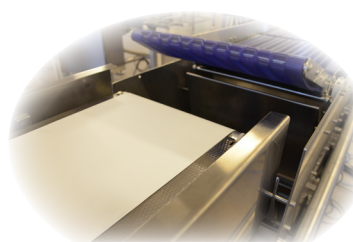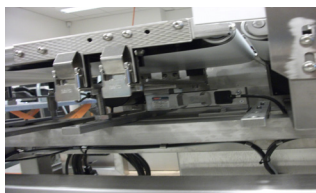
MATERIALS

Anodized aluminium
Our standard solution, well suited for many applications in dry or semi-dry environment. Reliable, stable and easy to maintain.
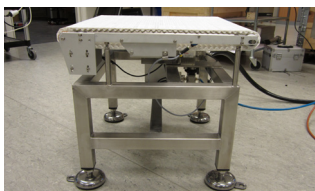

Stainless steel
Suitable for wet environment and also for running unpacked products.
Quick release function that makes the system easy to disassemble and clean, also without the use of tools.
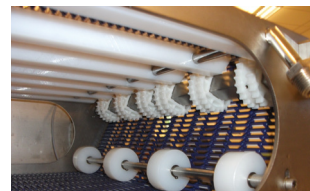
BELT TYPES

Standard belt
Weaved belt, with or without PU coating. The most common belt type, suitable for most applications. FDA approved.
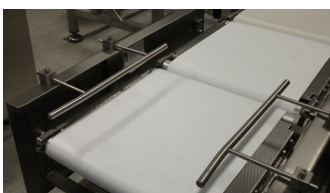

Modular belt
Plastic chain belt with high wear resistance. Normally used for heavier applications or when running very abrasive products. Can be removed without use of special tools.
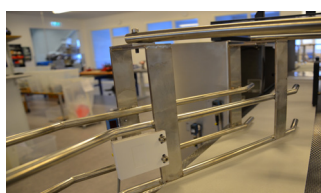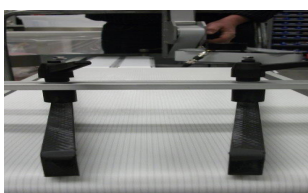
GUIDES

Stainless steel guides, standard version
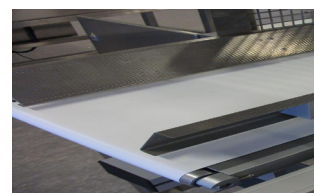Can be used for most products.

Stainless steel guides, high version
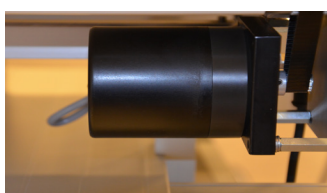Adapted for guiding of higher products such as bottles or jars.

Plastic guides
Adapted for low/thin products.
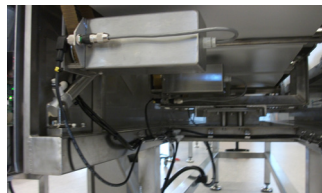
Angled guides, stainless steel
Suitable for round products. Different angles available.
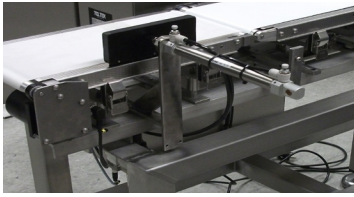
MOTOR TYPES

Standard motor
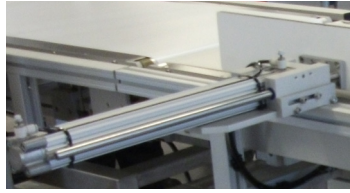Powerful brushless 24 VDC motor, IP65

Extra protected motor
Powerful brushless 24 VDC motor. Mounted in stainless steel cover, and filled with protective sealant.
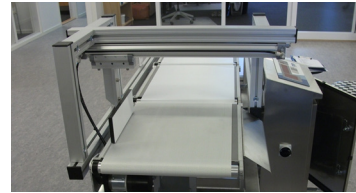Wash down, IP67 rated.

TELTEK

REJECTS

Pusher - standard
Pneumatic pusher with adjustable positions. Many different plates and brushes to choose from depending on the type of product.

Pusher - heavy load
Large pneumatic cylinder, guided version. For effective reject of products in the range from 3-10 kg.

Overhead pusher
Pneumatic rodless cylinder. For wide conveyors where a long cylinder is needed it saves space to mount the cylinder above the conveyor.
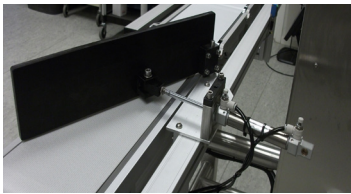
Diverter arm
Pneumatic cylinder operates the diverter arm. A smooth and gentle reject solution where the arm guides the product of the conveyor.
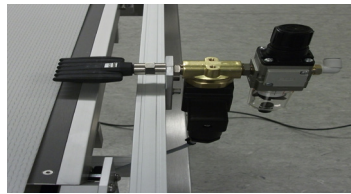
Air blast
Very effective and silent nozzles. Air blast is the most efficient reject for light products in high speed.

Reject bins
Teltek has two versions of standard bins. One fully stainless with lockable door and one open-top version in transparent poly-carbonate.

Lift-flap
Pneumatic cylinders lift one end of the outfeed conveyor. This is the best and safest way to reject flat and/or sticky products.

Fully automatic weigh price labeler with many different applicator options

Teltek WPL units comes with fully integrated weighing/labeling systems based on Teltek checkweighers in combination with the unique print and apply solutions from Autolabel.

This very flexible system can handle top labelling and/or bottom labelling.
It can also be supplemented at a later stage. A solution ordered and delivered with just top labelling can for instance very easily be modified to also include bottom labelling.

A lot of options are available such as product separation solutions, scanner for barcode verification, rejects and guides for extra precise labelling of unstable products.
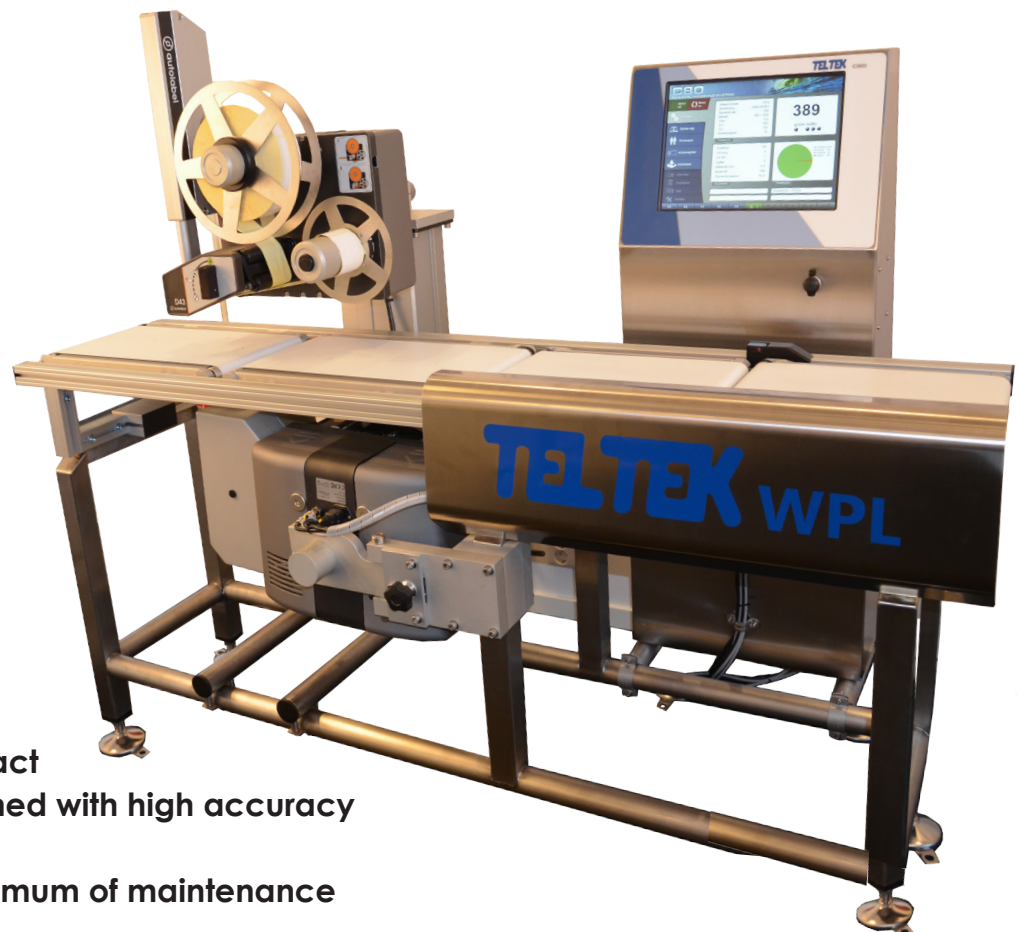
- **Flexible, yet compact**
- **High speed combined with high accuracy**
- **Very user friendly**
- **Designed for a minimum of maintenance**

Teltek can also provide WPL solutions for customers with specific print engine demands. Through our co-operation with HM Systems we can provide advanced print and apply units based on Intermec, Sato, Zebra or Datamax.

Due to our flexible software and communication possibilities we can offer customer designed WPL solutions for communication with virtually any other print and apply system on the market.

INLINERS

- Simple
- Rugged
- Fast
- Flexible
- Reliable

TELTEK

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.
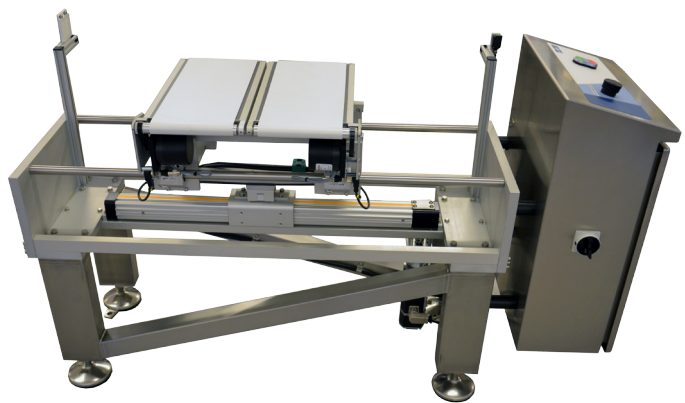
It is also possible to let the LS100 make an extra separation of the products on outfeed. Capacity is determined by the length of the incoming feed and the number of conveyors. Depending on design, the LS100 can handle a total of up to 80 products per minute. Teltek LS100 is CE marked and can be supplied with several, very easily interchanged, conveyor options.

The dimensions of Teltek inliners will always be designed and adapted to perfectly match your application

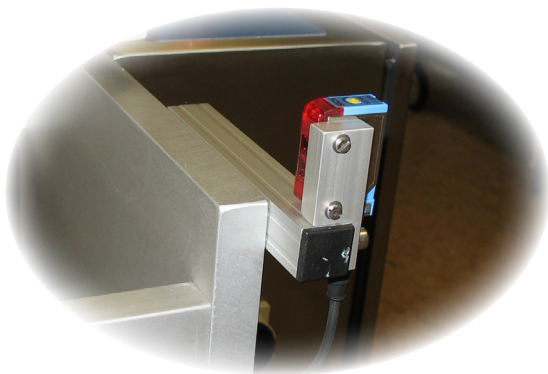## Teltek LS150 is the fastest solution available for creating a single line of products.

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.
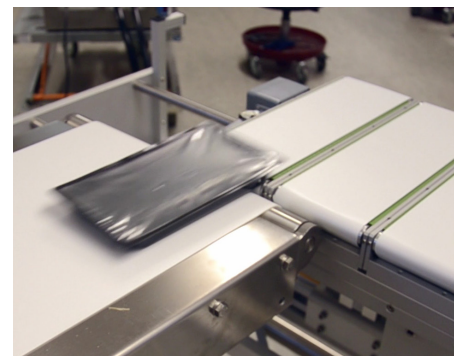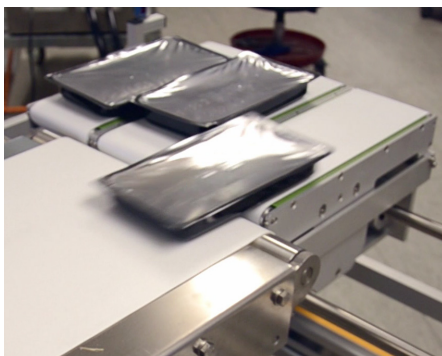
First the products are separated in length and then guided towards the center of the belt. The design of the side guides minimizes the risk of turning the product, which simplifies the task for downstream machines.
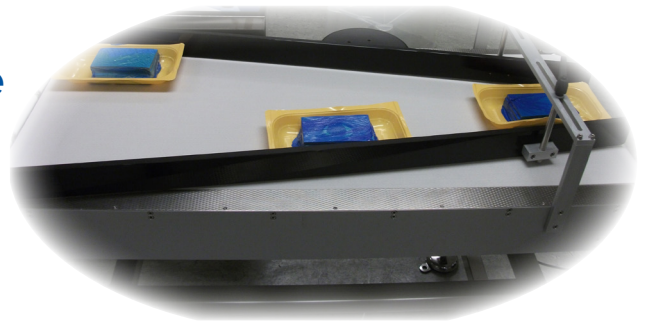
It is also possible to let the LS150 make an extra separation of the products on outfeed, Capacity is determined by the length of the incoming feed and the number of conveyors. Depending on design, the LS150 can handle a total of up to 150 products per minute.

Teltek LS150 is CE marked and can be supplied with several, very easily interchanged, conveyor options.
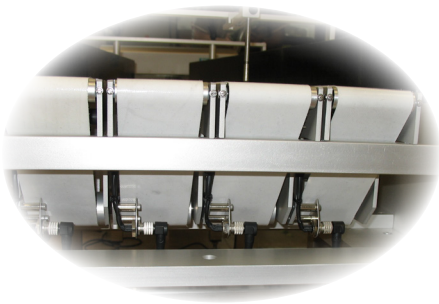
The dimensions of Teltek inliners will always be designed and adapted to perfectly match your application.

TELTEK

X-RAY SYSTEMS & METAL DETECTORS

Teltek also supplies a wide range of X-ray systems and metal detectors for product inspection. We have many years experience in the field of product inspection and will happily guide you in order to find the best solution for your application.

Secure your brand!

Besides the potential risk of physical harm, a contaminated product represents a risk of causing permanent damage to your brand.

By letting all your products pass through an x-ray system you have done everything in your power to ensure that the products are as free from contaminations or harmful objects, as they can be.

Using x-ray- or metal detector technology?

Depending on the application the different technologies both have it´s advantages.
X-ray technology is almost insensitive to product temperature, metalized packages and do not need any metal free zone.
The metal detector on the other hand is easier implemented in the production line, and to a lower cost.

InControl™

Do you want to be in full control of your production?
- Then you need Teltek InControl™

Article name	Machine	Start	Nominal weight	Mean weight	Giveaway	Giveaway %	Pcs / min	Pcs / min last hour	Pcs / min since start	Ok %	Ok count	Ok weight	Over count	Over weight	Under count	Under weight	Invalid count	External count	Total count	Total weight
Cheese	Teltek C80 checkweigher1	5/10/2017 8:01 AM	800 g	801 g	0.4 kg	0.1 %	0 st	115 st	115 st	98.2 %	390 st	312.4 kg	6 st	4.9 kg	1 st	0.8 kg	0 st	0 st	397 st	318 kg
Schnizel	Teltek C80 checkweigher 2	5/10/2017 8:02 AM	500 g	501 g	0.9 kg	0.2 %	474 st	475 st	475 st	98.9 %	872 st	436.9 kg	8 st	4.1 kg	2 st	1 kg	0 st	0 st	882 st	441.9 kg
Bockwurst	Teltek C80 checkweigher 3	5/10/2017 8:03 AM	800 g	801 g	0.5 kg	0.1 %	440 st	512 st	512 st	98.6 %	434 st	347.7 kg	6 st	4.9 kg	0 st	0 kg	0 st	0 st	440 st	352.5 kg

Teltek InControl can be accessed from your regular web browser. You can connect from your PC, your tablet or your smartphone. No need for installation of special software for client use. Teltek InControl is an SQL based production monitoring software.

The system is built around four separate modules:

Basic module
Connection of checkweigher to Ethernet, set-up of MS_SQL database.
All registered weights from the individual checkweighers will be stored in the MS_SQL database.

From this point some customers prefer to use their own tools to analyze and make reports from the raw data in the MS_SQL database.

Real Time data
A "dash board" 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 screen information contains:

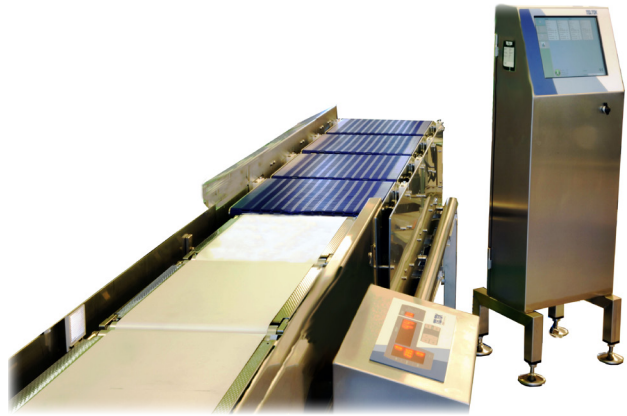|	
Line ID	Line speed (pcs/min)
Product no	Give away
Average weight	etc.

Historical batches
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 choosen search criteria.

Article register
A centralized product register editor that allows the operator to enter, edit or delete products. The product register is stored in the MS_SQL database. When the line operator changes product, the checkweigher will read the data from the MS_SQL database and get access to the correct settings for that product. There is also a filtering function in the centralized product register. Only products relevant for running on the particular production line will be visible on the display of the checkweigher.

CONTACT

Distributor: