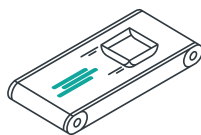


CONFIGURE
YOUR
PACKAGING
SOLUTION

IPS Packaging Solutions

intelligent
packagingsolutions



Reduction of the giveaway even to less than 1%

Robust and hygienic stainless steel construction

Profit maximisation

ROI within 3-12 months



The TopControl packaging systems are precise and highly modern, tailor-made systems for every requirement.

From planning to assembly, everything comes from a single source: This eliminates numerous component interfaces as possible sources of error. You get the perfect combination of individual development and experienced assembly.

The packaging line convinces with its modular design. 1 to 4 possible transport levels can be selected. Level 2 is necessary in any case (working level). **One module of the packaging line has a length of 3000 mm.**

Large, smart weighing tables can be integrated into the packaging line, which are equipped with innovative lighting technology.

The line can be customised with the following options:

- Conveyor belts with the right width for trays or crates
- Roller conveyors with the appropriate width for trays or crates, which can optionally also be motorised
- Crate diverters
- discharge chutes
- Curves for trays and crates with 45°, 90° or 180°.
- Frontal weighing tables with or without crate shelves, weighing platforms for trays or crates, integrated daylight illumination and waste containers
- Lateral weighing tables in single or double design with or without crate shelves, weighing platforms for trays or crates, integrated daylight illumination in the Corona-compliant Plexiglas partition and waste containers.



packagingsolutions
TopControl

TopControl
statisticsweights

TopControl
fruitManager



Modular design with up to 4 levels of conveyor belts or roller conveyors for trays or boxes.



Smart weighing tables: ergonomically optimised with integrated scales, lighting and intuitive LED display.



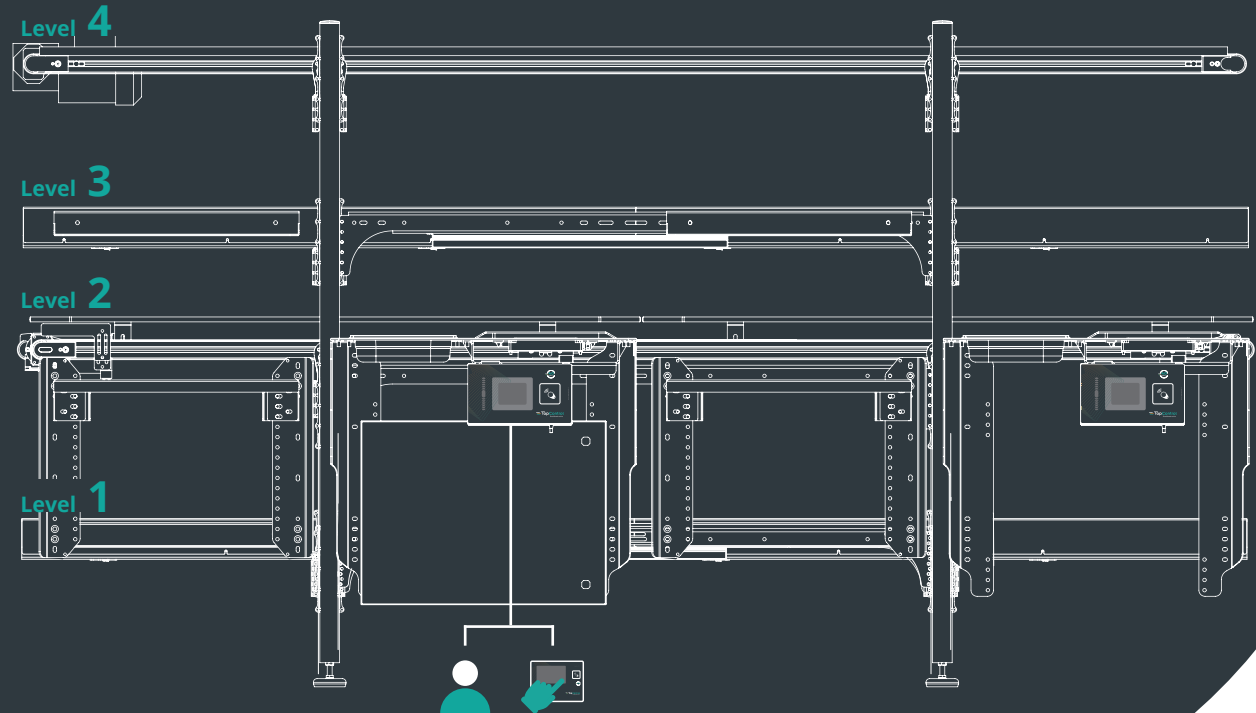
Fruit

Vegetables

Meat

Fish

Cheese



User registration:

The worker logs on to the terminal via an RFID chip.

Control display

This is used to process the entered job.

HIGHLIGHTS



Profit
maximisation



ROI within
3-12 months



Minimisation
of work steps



Reduction of the giveaway
also to less than 1%



Flexible use
Operable from 2 sides



Outfeed conveyor for auto-
matic or manual transfer of
the combined product to the
next station



Robust and hygienic stain-
less steel construction
- IP65



Intuitive touch displays
and LED displays



Efficient working time
recording through
integrated RFID
transponder reader



Optimal integration into
the TopControl software
for recording and
evaluating the data

TECHNICAL PROPERTIES

Structure	Compact and modular stainless steel structure
Minimum punnet size (L W H)	220 x 190 x 160 mm
Maximum punnet size (L W H)	600 x 400 x 240 mm
Module length	3000 mm
Operating modes	Packaging line for boxes Packaging line for trays Radial runout
Transport direction	right/left left/right
Level heights	Level 1: 400 - 525 mm Level 2: 800 - 925 mm Level 3: 1200 - 1325 mm Level 4: 1600 - 1725 mm

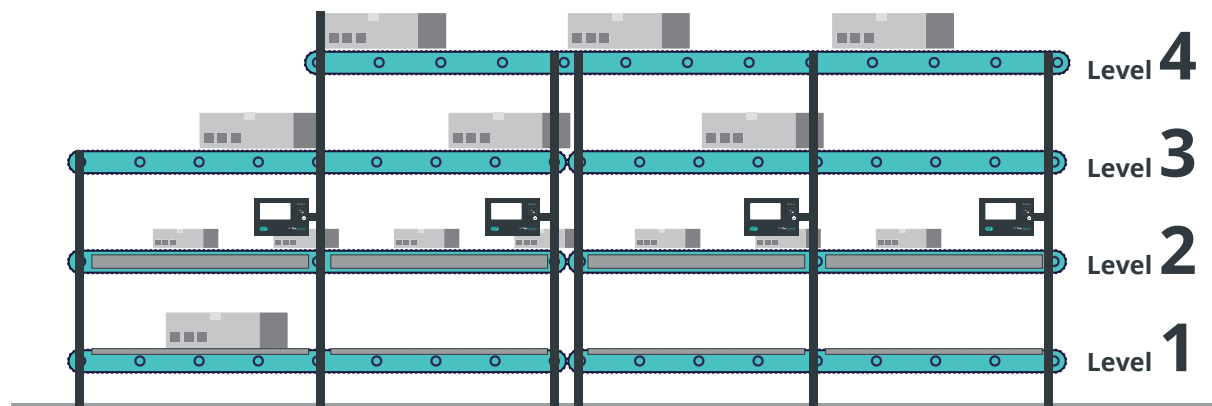
COMPATIBILITY

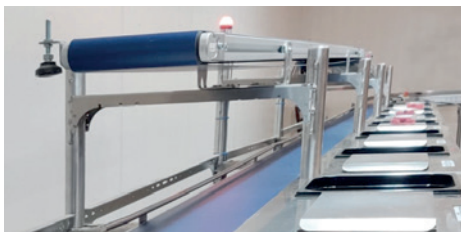
Hardware compatibility	Smart weighing table - front and side mounting Price labeller (e.g. GLM E maxx) Labeller (e.g. GLM-B-S) Intelligent combination scales Carton sealing machine (e.g. Blitzmatic) Flowpack machines Topsealers Wrapping machines Checkweigher (e.g. CWT1000) Belt and multi-belt scales (MHP5200)
Software compatibility	foodProcess statisticsWeights fruitManager

Description		IPS with 1st Level	IPS with 2nd levels working level		IPS with 3th levels			IPS with 4th levels			
			1	2	1	2	3	1	2	3	4
Small packaging	small	x	x	x	x	x		x	x		
Boxes	medium	x	x	x	x	x	x	x	x	x	x

APPLICATION OF THE DIFFERENT LEVELS

Level 1	Feeding of full crates
	Feeding of empty crates
	Removal of full crates
Level 2 Working level	Removal of the packed crates
	Removal of packed trays
	Feeding of full crates
Level 3	Feeding of full crates
	Supply of trays
	Transport of empty crates
Level 4	Feeding or removal of empty crates





Conveyor belts

The conveyor belts can be used at all levels. Depending on whether the products are packed in punnets or boxes, the appropriate conveyor belt width is selected.

Optimised for punnets:

Conveyor belt 200 x 3000 mm unidirectional (pulling)
Conveyor belt 200 x 3000 mm bidirectional (pulling + pushing)

Optimised for full or empty boxes:

Conveyor belt 420 x 3000 mm unidirectional (pulling)
Conveyor belt 420 x 3000 mm bidirectional (pulling + pushing)



Roller conveyor

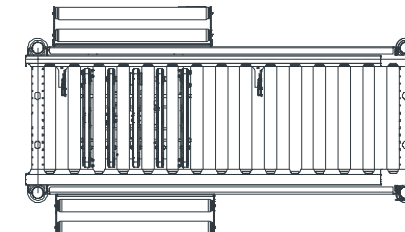
The roller conveyor is available with and without a motor. They can be used on all levels. Depending on whether the products are packed in trays or boxes, the appropriate roller conveyor width is selected.

Optimised for punnets:

Non-motorised roller conveyor 200 x 3000 mm - Ø rollers 20mm

Optimised for full or empty boxes:

Non-motorised roller conveyor 530 x 3000 mm - Ø rollers 50mm
Motorised roller conveyor 530 x 3000 mm - Ø rollers 50mm

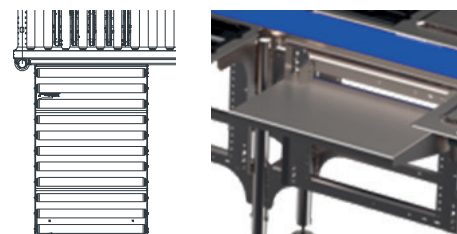


Box switch

The punnet ejector can be combined with a conveyor belt width of 200 mm and can be used on level 2. The automatic box diverter is used on level 1 and 2. This way, the boxes are automatically ejected at the respective workstation. The workers don't have to manoeuvre them from the conveyor belts or roller conveyors to the workstation.

Punnet ejection

The punnet ejector can be combined with a conveyor belt width of 200 mm and can be used on level 2.



Box deposit with/without roller conveyor

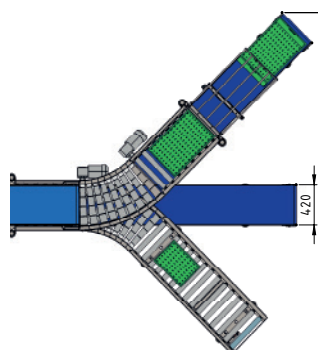
The box storage is optional for level 2, where the boxes to be processed can be placed. It can be selected with or without a roller conveyor.

The box storage without roller conveyor has a size of 600 x 400 mm.

The box storage with roller conveyor has a roller diameter of 50 mm and can be supplied with single or double depth. In this way, 1 or 2 crates can be deposited.

Storage for punnets

The storage for punnets is fixed on level 3. In combination with the frontal tables, it is a convenient storage surface for punnets so that they are always within reach.



Curves

Optimised for punnets:

Curve 90° / radius 610mm / width 200mm
Curve 180° / radius 200mm / width 127mm

Optimised for boxes:

Curve 45° with conical rollers / width 530mm
Curve 90° with conical rollers / width 530mm

IPS Optional. Frontal weighing table - ergonomic, hygienic and efficient

The frontal, smart weighing tables from TopControl are mounted on the packaging line. They are available with and without a box storage. Integrated into a packaging line tailored to the customer, they make the packaging and repackaging process easier than ever before.

With the integrated system scale, which shows the appropriate weight or the missing or surplus quantity by means of an LED display with colour scale, it is easy to fill the correct quantity into the packaging in the shortest possible time and to guarantee a minimum giveaway.

The tables are made of robust and hygienic stainless steel and comply with the standards for the food industry.

The weighing tables represent a significant increase in efficiency in the packaging process. Other optionals such as waste bins in different sizes, daylight LED lighting and flexibly adjustable crate trays guarantee the highest quality that meets your requirements.

Due to the high accuracy of the scales, the packaging speed is increased with a minimum of personnel. This noticeably reduces costs and increases profits. In conjunction with the TopControl software, all weight data and staff times are recorded and flexibly evaluated.



Fruit



Vegetables



Meat



Fish



Cheese

Lighting*



Daylight-bright illumination through which better quality can be guaranteed. Can be integrated into the line.

Integrated weighing platform



The LED display integrated into the table makes it easy to fill the right weight into the trays.

Control display



This is used to process the order entered. The LED display shows how many products are still missing or too many in the tray.

Intelligent software*



Fully automatic production control and traceability right through to labelling.



*optional

IWS 3000 Optional side weighing tables - ergonomic, hygienic and efficient


The new, smart weighing tables from TopControl can be used as a stand-alone device or integrated into a packaging line tailored to the customer and make the packaging and repackaging process easier than ever before.

With the integrated system scale, which shows the right weight or the missing or surplus quantity by means of an LED display with colour scale, it is easy to fill the correct packaging quantity into the trays in the shortest possible time and to guarantee a minimum giveaway.

The tables are made of robust and hygienic stainless steel and comply with the standards for the food industry. Ergonomically designed for ease of use, they can be adjusted to suit the worker, making them easier and quicker to use.

The weighing tables represent a significant increase in efficiency in the packaging process. Other options such as waste bins in different sizes, daylight LED lighting and flexibly adjustable crate trays guarantee the highest quality that meets your requirements.

Due to the high accuracy of the scales, the packaging speed is increased with a minimum of personnel. This noticeably reduces costs and increases profits. In conjunction with the TopControl software, all weight data and staff times are recorded and flexibly evaluated.



4.0 industry

Fruit Vegetables Meat Fish Cheese

Lighting*
Daylight-bright illumination through which better quality can be guaranteed. Can be integrated into the line.

Control display
This is used to process the order entered. The LED display shows how many products are still missing or too many in the tray.

Integrated weighing platform
The LED display integrated into the table makes it easy to fill the right weight into the trays.

Intelligent software*
Fully automatic production control and traceability right through to labelling.

TopControl foodProcess

*optional

HIGHLIGHTS



Maximum packaging speed



Profit maximisation



ROI within 3-12 months



Suitable for transport and small packaging



Minimisation of the work steps



Maximum Giveaway reduction



Stand-alone and integrated into packaging lines



Robust and hygienic stainless steel construction - IP65



Integrated, intelligent LED bar with intuitive quantity indication



Intuitive Touch display and LEDs with colour scale



Efficient working time recording through integrated RFID transponder reader



Optimal integration into the TopControl software for complete recording and evaluation of the data

TECHNICAL PROPERTIES

Weighing platform (with load cell Inox)	Weighing range		
200 x 300 mm (preload 2,8kg)	6kg/1g	15kg/2g	-
300 x 400 mm (preload 4,3kg)	6kg/1g	15kg/2g	30kg/5g
Display	Colour LCD touch display 3.2 inch Option 1: on the table Option 2: under the table		
LED bar	Optionally integrated into the table in front of the weighing platform		

System interfaces	Ethernet 10 Base T, TCP/IP, RS 232, RS 422
Protection class	IP67
Unit design	Compact modular design in stainless steel
Power supply	Adapter 24V
Electrical power	10W
Interfaces	WLAN 2.4Ghz
(!) Non-verifiable scales for internal use	

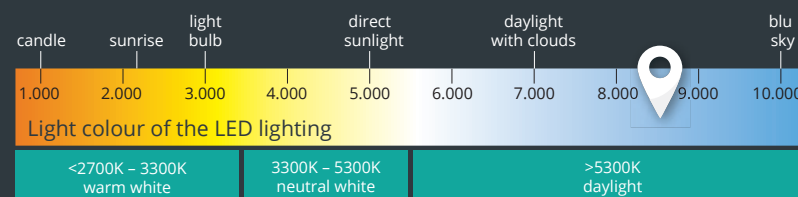


LIGHTING:




Frontal weighing table: only if level 3 is present.

Lateral weighing table: 4000k - 2 pcs. 2550lm (5100lm) each - CRI>92 - 2 x 17W

Better quality can be guaranteed by the daylight-bright illumination. Integrated in the Covid-comfortable plexiglass partition incl. customer logo, it ensures the optimal position and brightness.



Consumption in relation to brightness

 LED	1-2W	2,5-5W	6,5-9W	10-12W	17W
 light bulb	<div><div>25W</div><div>40W</div><div>60W</div><div>75W</div></div>				
 Lumen = brightness	<div><div>150lm</div><div>300lm</div><div>450lm</div><div>600lm</div><div>750lm</div><div>900lm</div></div>				

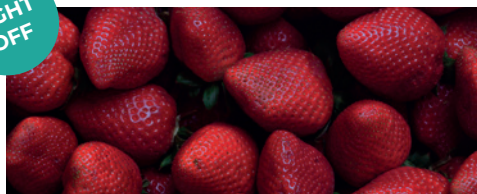
SHORT DESCRIPTION

CRI means colour rendering index. The LED CRI value describes how the colour rendering of an artificial light source compares to sunlight. A CRI value of 100 means no distortion of colours by the light.

Lumen (lm) indicates how much light a light source emits in total per unit of time.

Kelvin (K) is the unit of colour temperature. It indicates the quality of colour rendering when illuminated by a light source.

LIGHT OFF



LIGHT ON



Description		Single	Double
Size [mm]		1100 x 600	1100 x 1200
Box storage [mm]	height adjustable at the sides	600 x 400	
	under the table	1000 x 510	
Plexiglas partition [mm]	with personalised customer logo	905 x 760	

Waste bin made of polycarbonate Colour black	Size 1,8 l - 2 Stk	265 x 162 x 65 mm
	Size 2,8 l - 2 Stk	265 x 162 x 100 mm
	Size 4,0 l - 2 Stk	265 x 162 x 150 mm
	Size 4,0 l - 1 Stk	325 x 265 x 65 mm
	Size 6,0 l - 1 Stk	325 x 265 x 100 mm
	Size 8,9 l - 1 Stk	325 x 265 x 150 mm
	Size 11,7 l - 1 Stk	325 x 265 x 200 mm



Ergonomic box shelf

In order to ensure fast and optimised work, height-adjustable crate supports can be attached to the weighing tables. These are adjusted to the height of the crates. The ergonomic adjustment prevents premature fatigue of the workers.

An additional crate tray can also be placed under the table.

This way, the workers always have the full crates at hand.



Plexiglas partition

The optional Plexiglas cut-offs on the weighing tables ensure more concentrated and thus faster and more accurate work. At the same time, a Covid-compliant workplace can be guaranteed.

The daylight-bright lighting is integrated into the Plexiglas partition.

The customer's logo is printed in the designated area of the partition.



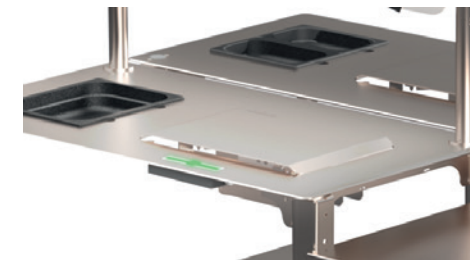
Waste bin

Also take advantage of the possibility to collect the waste generated via the individually selectable polycarbonate waste bins.

Height adjustment

Our weighing tables are supplied with a height-adjustable work surface (up to 30 cm). This allows you to adjust the work surface to your workers for a more comfortable work.

The right working height allows the workers to be faster and to tire later.



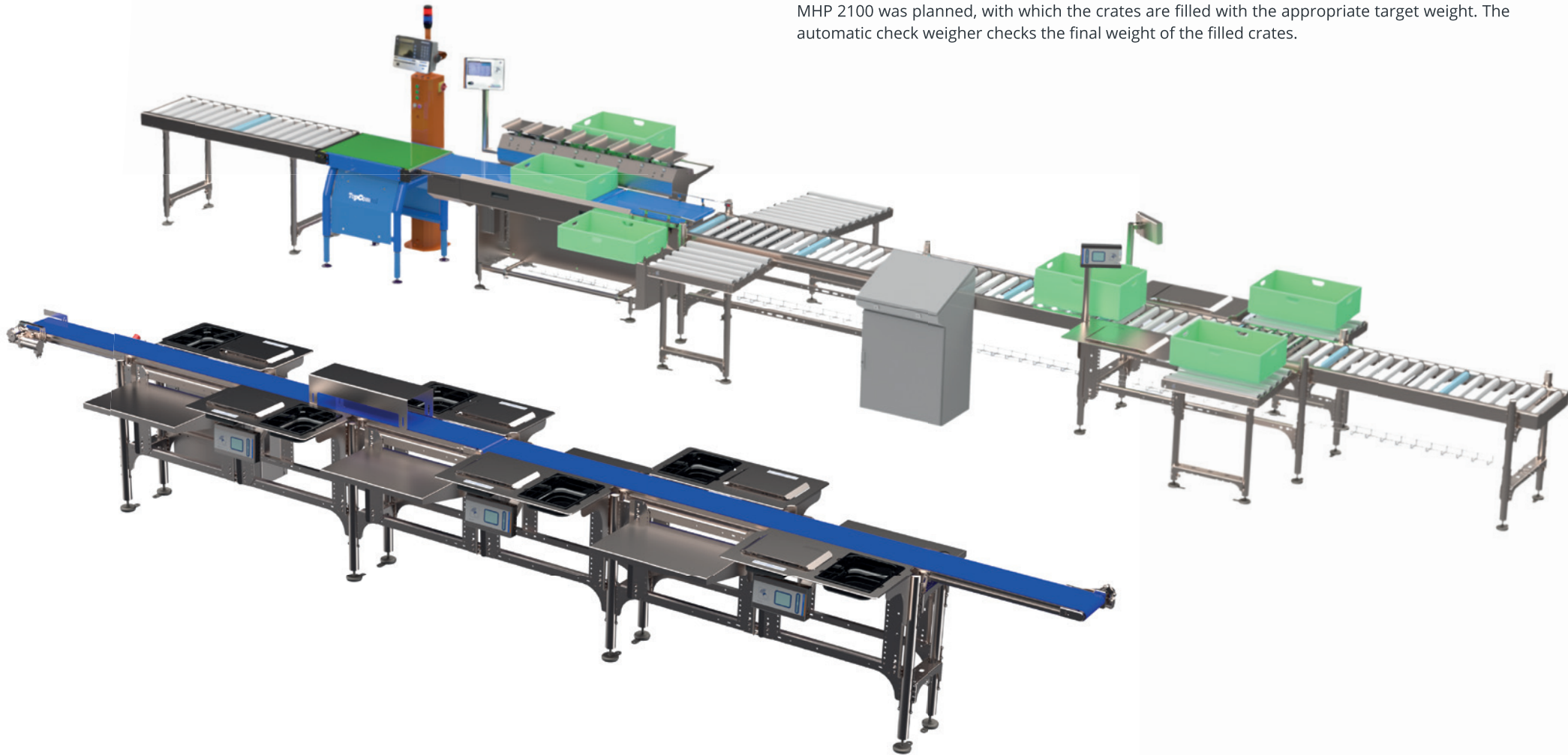
Integrated system scale

The levelling scale optimises the giveaway of the goods to be bagged. Integrated into the network, the weights are recorded directly in the central TopControl software, thereby increasing yields by avoiding unnecessary overfilling. The high accuracy of the scales and the intuitive operation allow considerable savings in both time and product costs.

FUNCTIONS

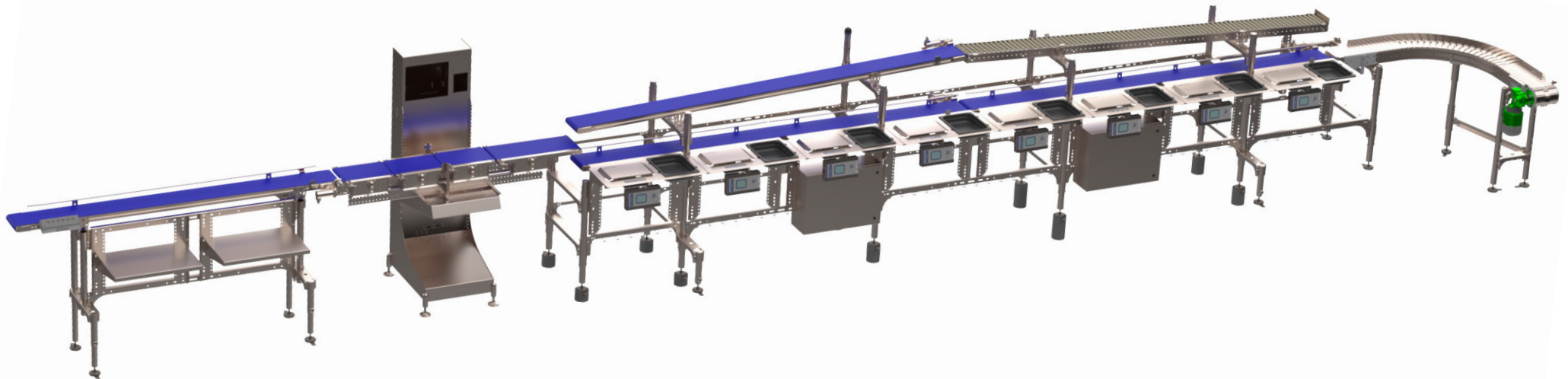
- Dynamic control of weight limits Leveling or removal weighing definable per item
- Recording of incoming batches and waste

IPS consisting of a level with roller conveyors for crates in combination with frontal work tables, crate diverter and crate shelves for pre-filling the crates. Subsequently, a combination scale MHP 2100 was planned, with which the crates are filled with the appropriate target weight. The automatic check weigher checks the final weight of the filled crates.

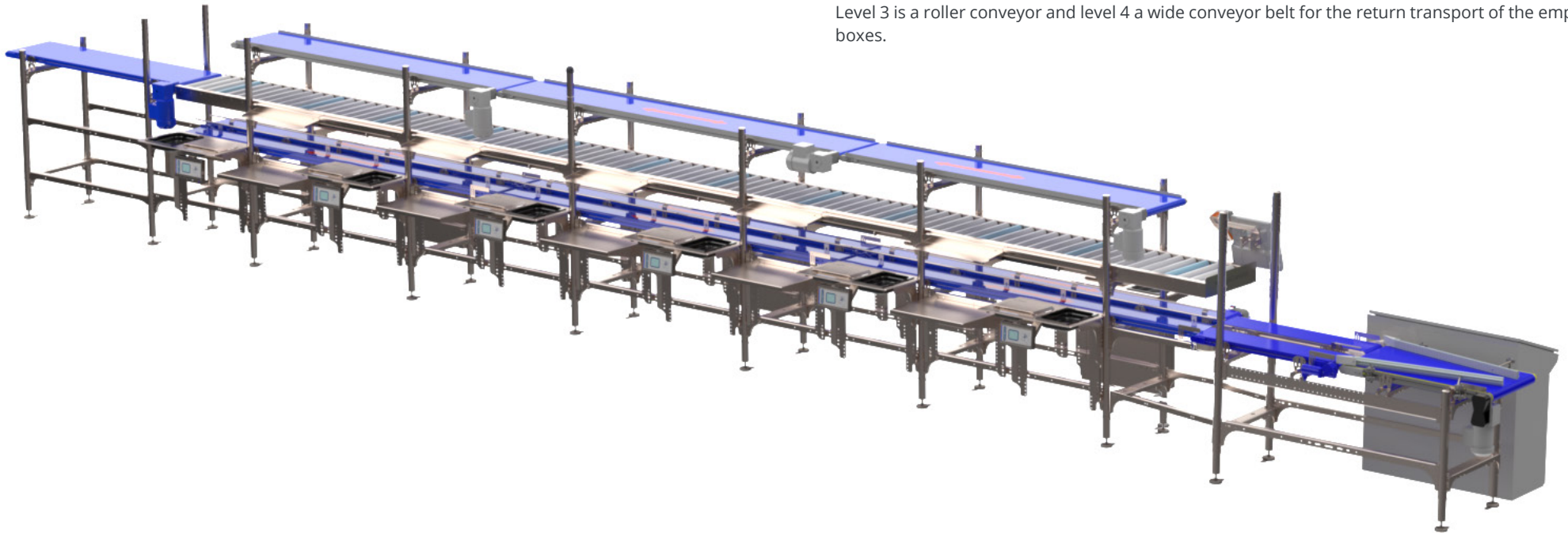


IPS-small consisting of one level with the conveyor belt for punnets in combination with frontal work tables with integrated system scales, LED bar on the work table, waste container and ergonomically adjustable box storage.

IPS small consists of two levels with conveyor belts for punnets. The pre-filled punnets run over the checkweigher and are forwarded to the upper or lower level depending on whether they are correct or incorrectly weighted. On the upper level, the overweight or underweight trays continue to run and are then corrected by the workers.



IPS standard consisting of three levels that can be processed from two sides. On level 2 there are 2 narrow conveyor belts for the finished punnets which are brought together via the unifying belt. For the processing of the punnets, frontal tables with box storage, lighting, product trays and waste bins are installed. Level 3 is a roller conveyor and level 4 a wide conveyor belt for the return transport of the empty boxes.





weighing solutions



SSC 9200
Levelling scale



RSC 9200
Removal scale



NEW
IPS
Smart weighing table



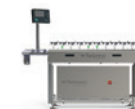
MHP 1000
Combination scale



MHP 1200
Combination scale



MHP 1300
Combination scale



MHP 2000
Combination scale



MHP 2100
Combination scale



NEW
MHP 3000
Combination scale



MHP 5200
Automatic multibelt
scale



CWT 1000
Automatic
checkweigher



NEW
CWT 500
Automatic checkweigher
for transport packaging



ST A500B
Automatic checkweigher
for transport packaging



ST EPW310
Dynamic scale for
bags



labelling solutions



GLM-B-S
High-performance
labeller



**COMING
SOON**
ILS 3000
Labeller for transport
packaging



GLT MAXX 9000
Labeller for transport
packaging



GPH MAXX 9000
Pallet labeller



**COMING
SOON**
ILS 3800
Pallet labeller



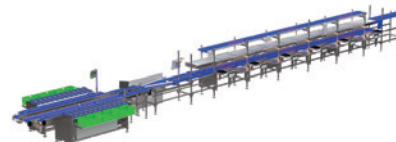
closing solutions



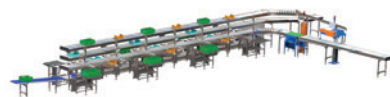
NEW
ICS 1000
Automatic gluing machine
for carton packs



packaging solutions



IPS: Line with 4 levels and front weighing tables
and MHP 3000 semi-automatic combination scale



IPS: Line with 4 levels and front weighing tables,
automatic checkweigher and labeller



IPS small: Line with 2 levels and front weighing
tables and automatic checkweigher



software solutions



**COMING
SOON**

