TopControl
Everything in motion

intelligent **weighing** solutions

MHP 3100
Semi-automatic networked combination scale

Tafel-trauben

Rispen-tomaten

4.0 industry

TopControl foodProcess

Maximum packaging speed

24 or optional 28 weighing belts

ROI within 3-12 months

Suitable for small packs

MHP 3100 Semi-automatic combination scale

With the semi-automatic combination weigher MHP 3100, pre-filled or empty small packages of table grapes or tomatoes are precisely completed with the missing weight. The amount of wasted goods and the required time can be kept to a minimum.
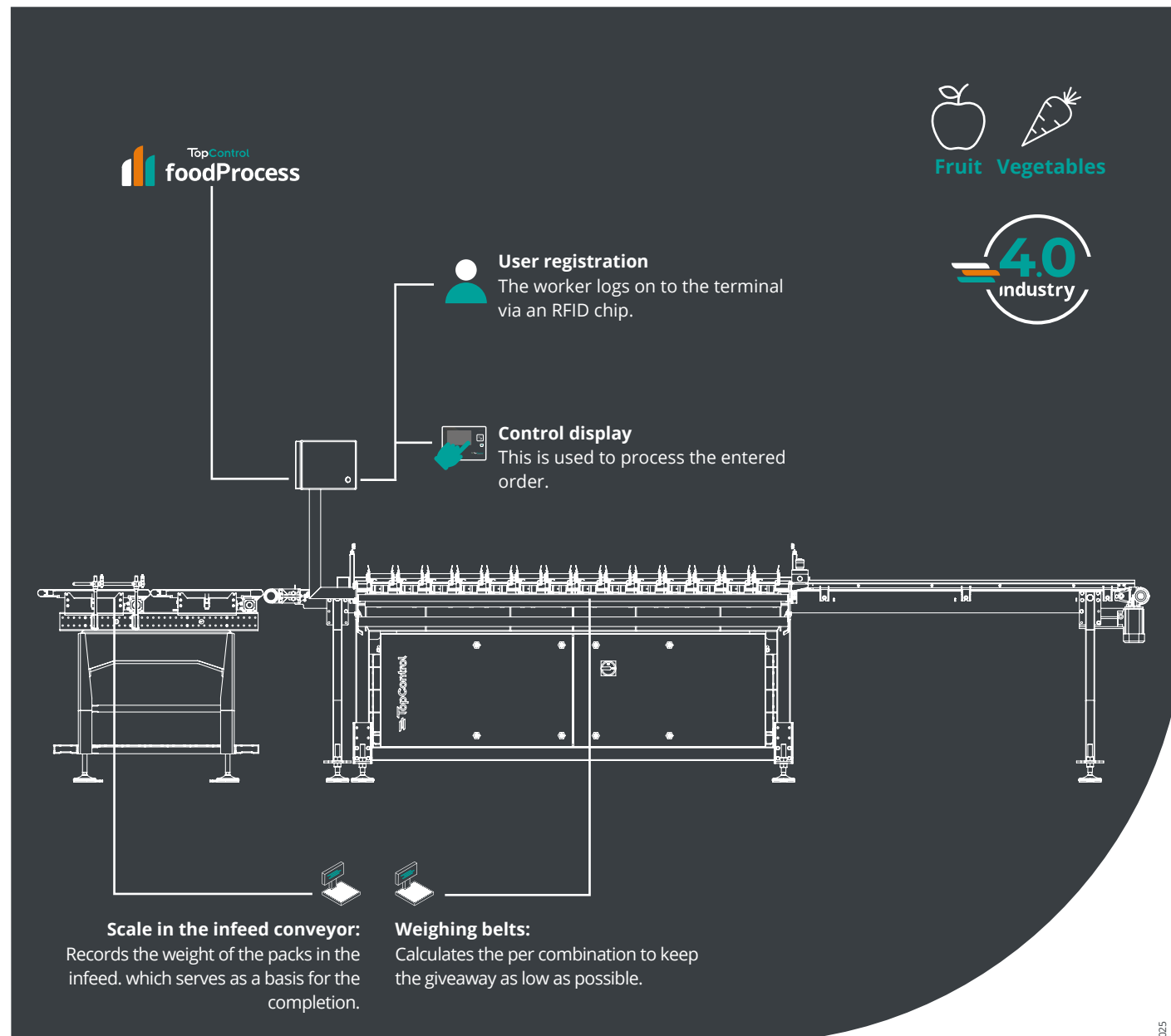
The first row with 12/14 weighing belts are loaded with the products by one worker. The scales installed in the infeed conveyor record the weight of the incoming trays in real time and determine the missing weight. The products that reach the weight are then automatically transported to the conveyor belt to be finally filled into the punnets by a worker.

In order to guarantee the quality of the products, these products are manually filled into the punnets.

The MHP 3100 is a flexibly applicable weighing system which, in addition to completion, has the operating modes equalisation on belt scales, combination weighing and throughput.

The MHP 3100 offers a significant increase in efficiency in the packaging process. A possible overweight of the packaging wil be reduced to less than 1%. The automatic output of the goods saves an immense amount of time and resources.

This noticeably reduces costs and increases profits. In conjunction with the TopControl software, all weight data and personnel times are recorded and flexibly evaluated.

weighingsolutions
≡TopControl

TopControl foodProcess

Fruit   Vegetables

4.0 industry

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

Control display
This is used to process the entered order.

Scale in the infeed conveyor:
Records the weight of the packs in the infeed. which serves as a basis for the completion.

Weighing belts:
Calculates the per combination to keep the giveaway as low as possible.

HIGHLIGHTS

Maximum packaging speed

Profit maximisation

ROI within 3-12 months

Suitable for small packaging

Maximum reduction of the giveaway

Flexible applicable

Even more than 40 packs/minute

Packing according to WELMEC 6.4 (e-weight) for pre-packed goods

Robust and hygienic construction stainless steel construction IP65

Intuitive Touchdisplay

**Efficient working time recording through integrated transponder reader**

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

TECHNICAL FEATURES

COMBINATION SCALES	24 OR OPTIONAL 28 WEIGHING BELTS
Load capacity/division weighing belts	6 kg/2g (optional 3 kg/1 g)
1 built-in scale in the infeed conveyor	Load capacity/division: 6 kg/2 g (optional 3 kg/1 g)
Max. Tray size (L x W)	220 x 190 mm
Operating modes	Pass through, combination, complete, product mix
Running direction	right/left or left/right
Display	Colour LCD touch display 7 inch
System interfaces	Ethernet 10 Base T, TCP/IP
Protection class	IP65
Unit design	Compact modular design in stainless
(!) Non-verifiable scales for internal use	

| Version	Running direction		Crate storage	Crate storage on top
	left-right	**right-left**		
MHP 3100 with 24 or 28 weighing belts	x	x	x	x

400x600 mm   300x400 mm
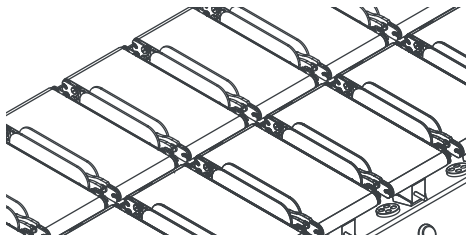
Weighing belts

The weighing belts of the MHP 3100 are available in the dimensions (L x W):

24 belts: 250 x 130 mm

28 belts: 250 x 100 mm

These are used to calculate the optimum weight with the minimum giveaway and to transport the product onwards.
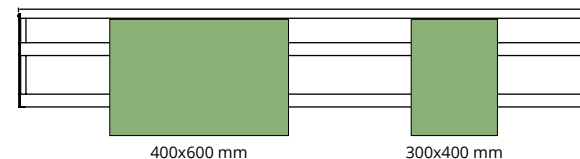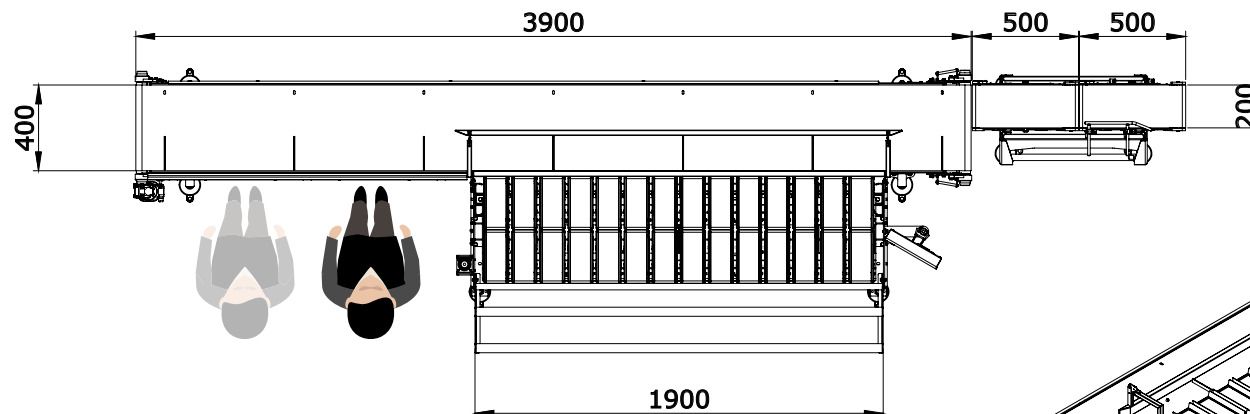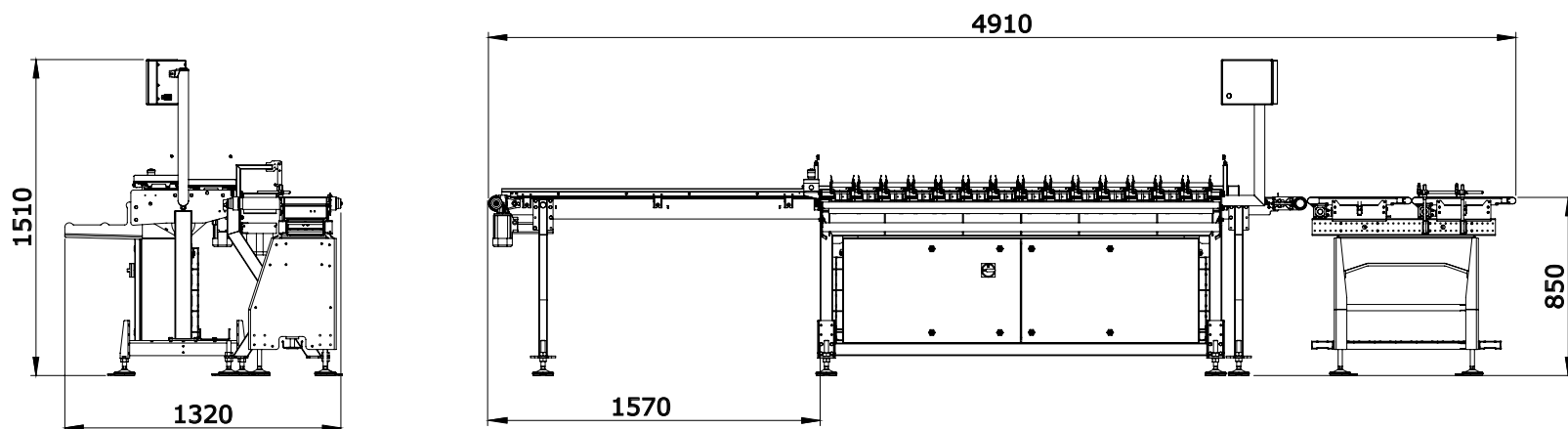
Ergonomic crate storage

To ensure fast and optimised work, optional, ergonomically adapted crate trays can be mounted on the combination weigher. The incoming products can be placed on these. The settings enable a comfortable working method that has been thought through as a whole.

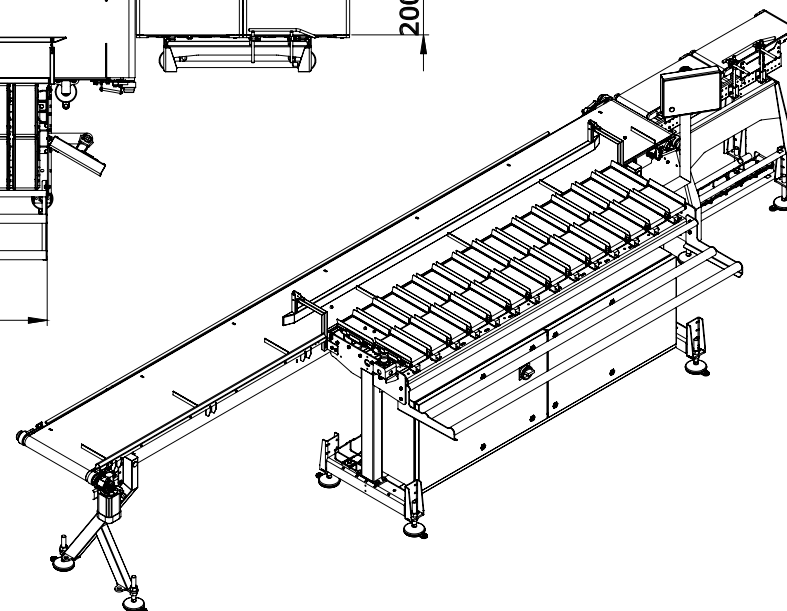The workers have the full crates at their fingertips.

MHP 3100

Combination scale - running direction right-left or left-right

Technical drawings

Optimised for:

4910

1510

1320

1570

850

3900

500

500

400

200

1900

TopControl
Everything in motion

improve yourself

TopControl **academy**

Our Service Center at your side

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intelligent weighing solutions

IWS 2000
Levelling scale
NEW

IWS 2500
Weighing station
NEW

RSC 9200
Removal scale

IWS 3000
Smart weighing table

MHP 1000
Combination scale

MHP 1100
Combination scale
NEW

MHP 1200
Combination scale

MHP 1300
Combination scale

MHP 2000
Combination scale

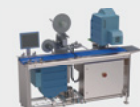**MHP 2100**
Combination scale

MHP 3100
Combination scale
NEW

MHP 5200
Automatic multibelt scale

ST A500B
Automatic checkweigher for transport packaging

ST EPW310
Dynamic scale for bags

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intelligent labelling solutions

GLM-B-S 80/100/200/300
High-performance labeller

ILS 2100
Labeller for transport packaging
NEW

ILS 3100
Labeller for transport packaging
NEW

ILS 2900
Pallet labeller
NEW

ILS 3900
Pallet labeller
COMING SOON
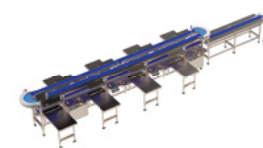
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intelligent packaging solutions
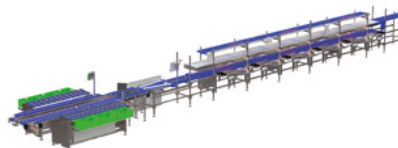
IPS: Line with 4 levels and front weighing tables and MHP 3000 semi-automatic combination scale

IPS: Line with 4 levels and lateral weighing tables

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

IPS small
Rundlauflinie

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smart software solutions

TopControl **foodProcess**
NEW

TopControl **fruitManager**
NEW

TopControl **storageMove**

4.0 industry

kiwa certified
SISTEMA DI GESTIONE CERTIFICATO