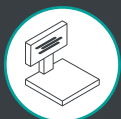
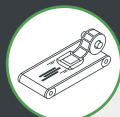


# Process optimizing solutions for food industry

intelligent **weighing** solutions



intelligent **labelling** solutions



intelligent **packaging** solutions



smart **software** solutions



# About TopControl

TopControl was founded in 1991 by Michael Saltuari and is one of the world's leading suppliers of innovative automation solutions in the food industry. With more than 80 dedicated employees, TopControl plays a significant role and can boast strong global growth in recent years.

TopControl is the competent partner for automation and system solutions in the industrial environment. We plan, develop and implement customised total solutions for production and logistics control, especially in the fruit and vegetable sector. The product portfolio ranges from smart system scales and labelling solutions to complete, sophisticated packing lines for the food industry, including software solutions that guarantee maximum ease of use.

Technical innovation is a top priority at TopControl. Devices, as well as software, are developed, designed, programmed and produced in-house. Everything starts with the customer's requirements. Our goal is to develop innovative ideas with a technical edge for our customers, which lead to an improvement and greater efficiency of the production processes. With the background of our knowledge and experience, we deal with innovative technologies and solutions in order to continuously achieve a technological lead.

Quality is anchored in our thoughts and actions; this applies to company management as well as employees.

Our project managers always keep an eye on all the details to ensure that your project is realised according to the defined specifications. By using tested solutions and systems, we can ensure efficient implementation and commissioning.

Our departments at your side for a successful project: sales, product management, project management, mechanical-, software- and hardware development, production and the service center.



## YOUR PROJECT IN GOOD HANDS

As a client, you expect sensible planning of your packing line and smooth project execution. You want to be able to rely on the quality and reliability of your partner. TopControl can boast numerous satisfied customers and renowned projects from over 30 years of business activity.

We offer you customised and reliable project support, regardless of the size and complexity of your project. Because TopControl thinks holistically and makes all the considerations that are important for the success of your project. Our view goes beyond the end of the plate or the standard solution. In this way, we ensure that your project can be handled efficiently as an overall solution.

# Your advantages with TopControl solutions



Vegetables



Fruit



Meat



Cheese



Increase efficiency of your production



Increase quality of your products



Reduce waste



Increase profits

Increase productivity

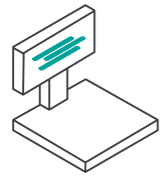


Reduce the giveaway up to 1%



Reduce time and costs





## intelligent weighing solutions

TopControl weighing solutions optimise the packaging process for the food industry. We deliver the right solution for your product so that you can work faster and more efficiently. You will increase your profit considerably in less than a year. You can save on staff, on giveaways and increase your productivity. In combination with our smart software solutions, you can analyse your packing line in real time.

ably in less than a year. You can save on staff, on giveaways and increase your productivity. In combination with our smart software solutions, you can analyse your packing line in real time.

### Manual weighing solutions



**SSC 9200**  
Intelligent table scale



**RSC 9200**  
Smart removal scale



**IWS 3000**  
Weighing table with integrated smart scale, illumination ecc

### Combination scale



**MHP 1000**  
Manual scale for optimal weight combination



**MHP 1200**  
Semi-automatic scale for optimal weight combination



**MHP 1300**  
Semi-automatic scale for optimal weight combination



**MHP 2000**  
Semi-automatic scale for optimal weight combination



**MHP 2100**  
Semi-automatic scale for optimal weight combination



**MHP 3000**  
Semi-automatic scale for optimal weight combination

### Automatic checkweigher



**CWT 1000**  
Automatic checkweigher for open small punnets



**CWT 500**  
Automatic, hygienic checkweigher for transport packaging



**ST A500B**  
Automatic checkweigher for transport packaging



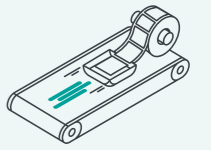
**ST EPW310**  
Automatic checkweigher for bags

### Automatic process scale



**MHP 5200**  
Automatic process scale with double-row-belt

## intelligent labelling solutions



Labelling solutions of TopControl offer the right labeller for your packing line. The high-performance labellers are precise, fast, gentle on the product and definitely the right choice. Our labelling solutions can be integrated into existing production lines or used as stand-alone devices.

right choice. Our labelling solutions can be integrated into existing production lines or used as stand-alone devices.

### Labelling without conveyor line



**ILS 3000**  
Labeller for transport packaging without conveyor line



**GLT MAXX 9000**  
Labeller for transport packaging without conveyor line



**GPH MAXX**  
Labeller for pallets without conveyor line



**ILS 3800**  
Labeller for pallets without conveyor line

### Labelling with conveyor line



**GLM-B-S**  
High speed labeller for small punnets with conveyor line

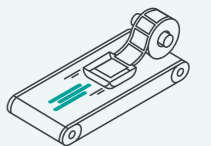
### Price labeller



**SPT 500**  
Manual price labeller integrated in hygienic table



## intelligent closing solutions



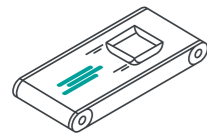
The carton gluer from TopControl is the sustainable packaging solution for your packaging line. Products packed in carton trays are automatically closed and glued before being transported to the labeller. The carton gluer

enables you to deliver your food products in eco-friendly packaging. Because the environmental awareness of the end customers is constantly increasing.

### Closing solution



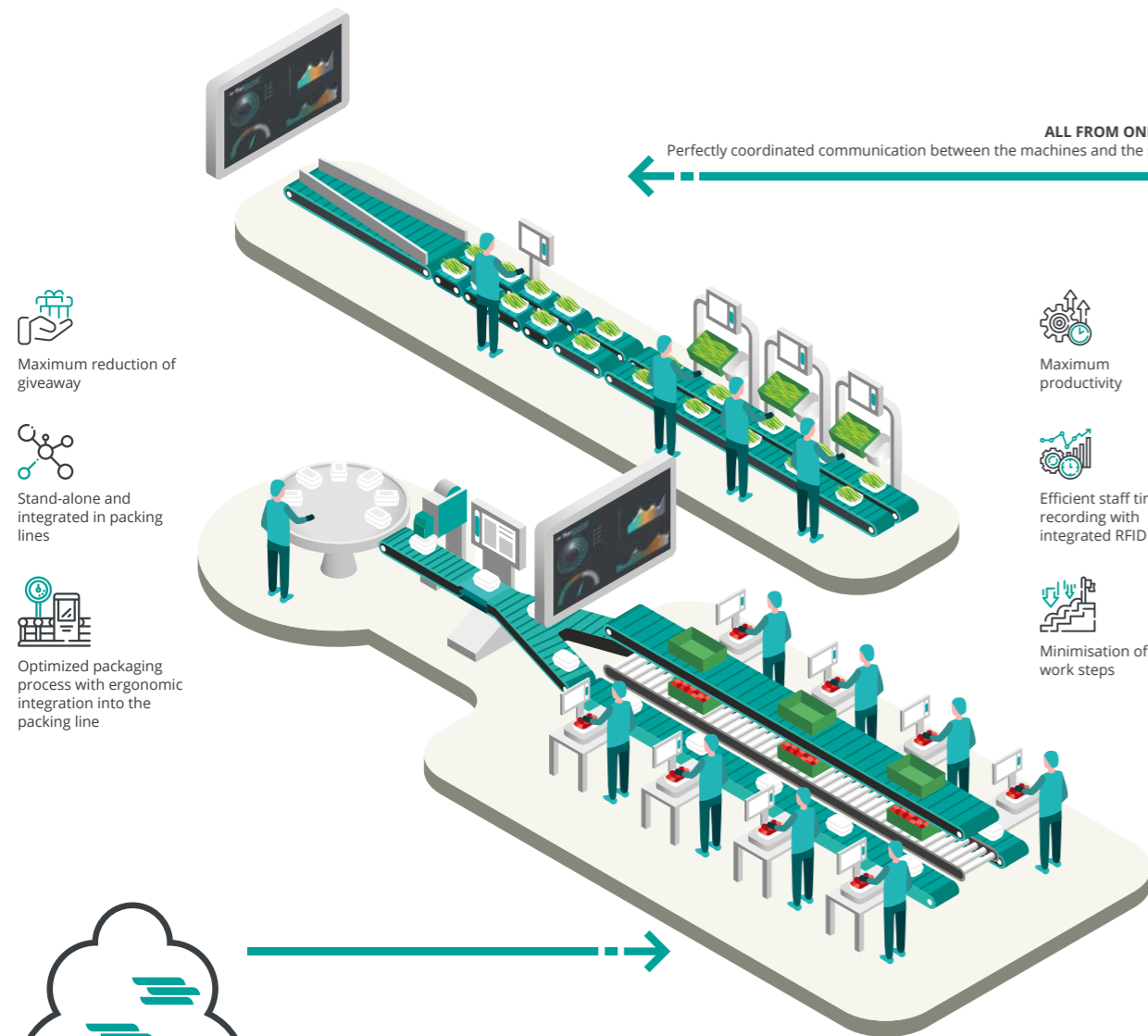
**ICS 1000**  
Automatic carton gluer



# intelligent packaging solutions

The TopControl packing lines are precise and cutting-edge customised lines for every requirement. From planning till installation TopControl cares about everything. Everything from a single source - thus eliminating numerous component interfaces as potential sources of error.

The perfect combination of individualised developments and experienced installations. Different conveyor belt widths, levels, weighing tables combined with intelligent weighing solutions tailored to your product are planned and realised according to your requirements.



Maximum reduction of giveaway

Stand-alone and integrated in packing lines

Optimized packaging process with ergonomic integration into the packing line

**ALL FROM ONE HAND:**  
Perfectly coordinated communication between the machines and the software

Maximum productivity

Efficient staff time recording with integrated RFID reader

Minimisation of the work steps



Harvest recording: in the field and/or in the production hall.

Weight, time and activity recording

Sales forecasts

# smart software solutions



Solutions with lots of advantages. Fully automatic production management and traceability. You will save time and money with the TopControl Software solution by simultaneously increasing efficiency and quality in the

production process. A proven improvement. TopControl software solutions are intuitive and unique that provides a complete overview of the harvest and production process and also of your warehouse.



TopControl **foodProcess**

TopControl **fruitManager**

**YOUR COMPLETE OVERVIEW OF THE HARVEST & PRODUCTION PROCESS**  
In combination with all other TopControl solutions (weighing, labelling and packaging solutions) a maximum increase in productivity is guaranteed. At the touch of a button, the software generates user-defined reports that provide information about weight of giveaways, activities, performance data, sales forecasts and much more. All data is stored in real time on a local server and can be accessed at any time through intuitive dashboards. The recording of performance data enables optimal resource management and significant cost reduction.

Profit maximization

ROI within 3-12 months

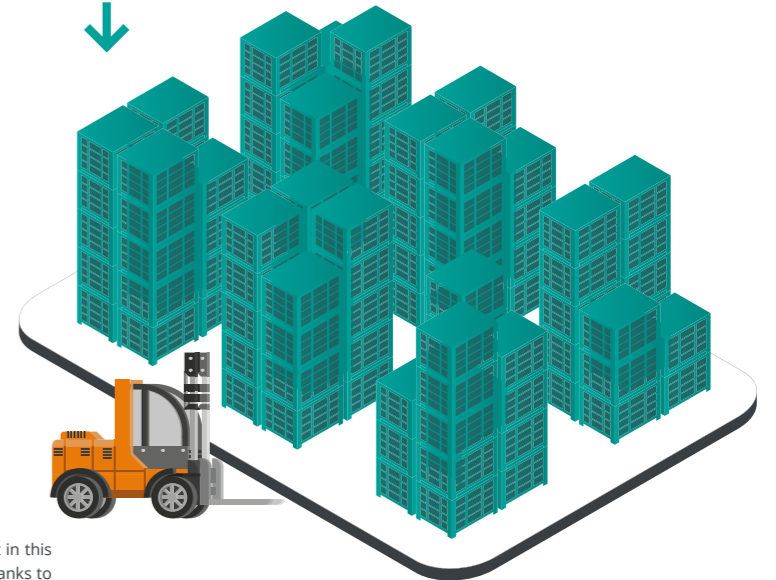
Detailed analysis

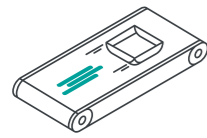
Process optimization

# Top solutions

TopControl **storageMove**

**THE PERFECT WAREHOUSE OVERVIEW**  
Logistic guide system for storage handling. StorageMove stands for the first in this form realized laser based logistics guidance system for storage handling. Thanks to the modular structure the system can be used in all kind of corporations. The system brings the logistical advantages of a high-bay warehouse for a fraction of the costs on the level of a conventional storage cell. An optimal solution.





# intelligent packaging solutions

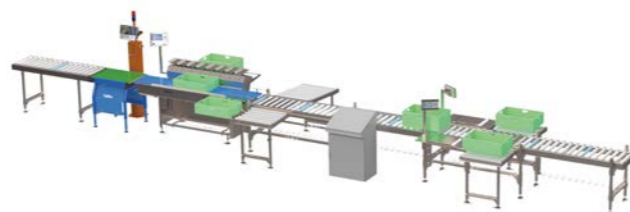
The TopControl packaging lines are precise and cutting-edge customised lines for every requirement. From planning till installation TopControl cares about everything. All from one single source – like that there are no component interfaces that might cause faults. The perfect match between individualised development and proved installation. The packaging line is convincing due to its modular design. 1 to 4 possible transport levels can be selected. Level 2 is necessary in any case – it is the working level. One module of the packing line has a length of 3000 mm. Large, smart weighing tables equipped with innovative lighting technology can be integrated into the packing line. The line can be personalised with the following options:

- Conveyor belts with the matching width for punnets or boxes.
- Roller conveyors with the appropriate width for punnets or boxes, which can optionally also be motorised.
- Box turnouts
- Discharge slides
- Curves for punnets and boxes with 45°, 90° or 180°
- Frontal weighing tables with and without box storage, weighing platforms for punnets or boxes, integrated daylight illumination and waste bins.
- Side weighing tables in single or double design with or without box storage, weighing platforms for punnets or boxes, integrated daylight illumination in the Corona-compliant plexiglass partition and waste bins.



## Application examples

The aim of this packaging system is to fill boxes to the target weight with minimal giveaway in the shortest possible time. The boxes are pre-filled by workers at the smart, frontal weighing tables. At the next station, the combination scale calculates the missing product combination, which can then be quickly and intuitively placed in the crates. The checkweigher checks the final weight of the crates again. This packaging line saves the customer an enormous amount of working time and wasted products.



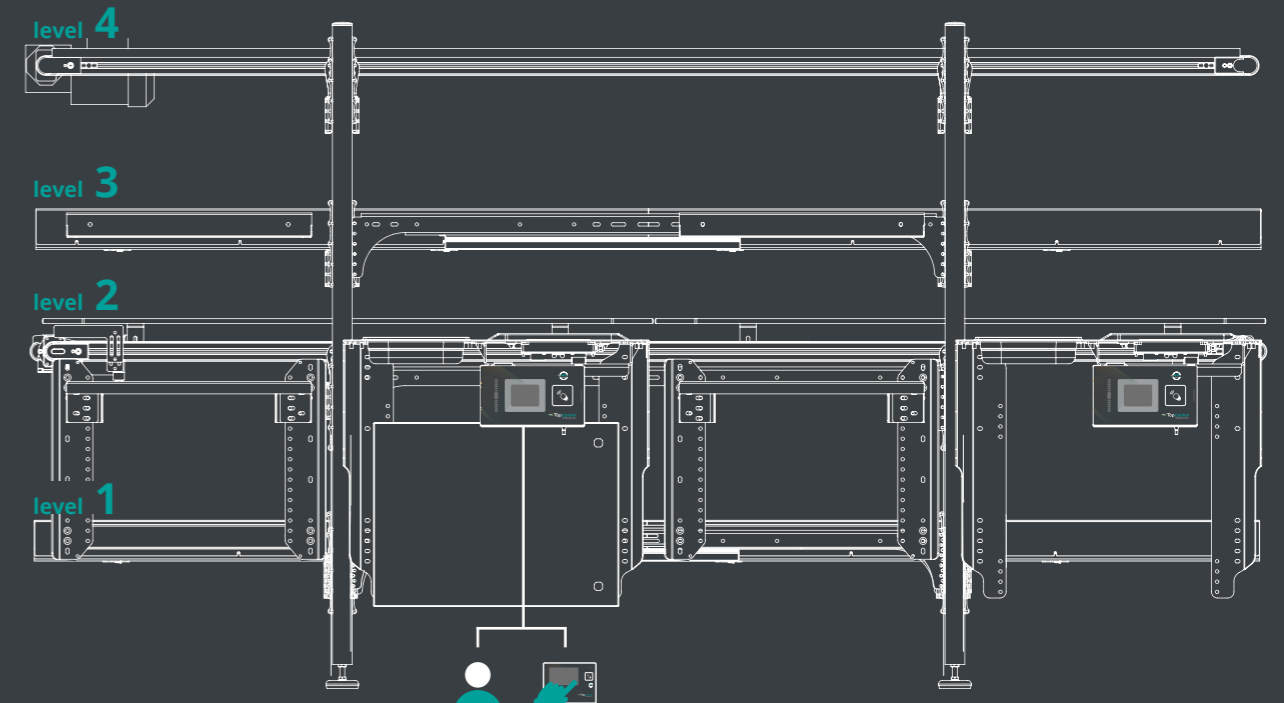
On this packaging line, vegetables are packed in boxes. The intuitively operated scales are built into the work tables. The LED display makes it easy for the workers to quickly and accurately reach the desired weight. Great importance has been attached to ergonomics. This makes it possible to work more comfortably on the line, which in turn contributes to greater productivity.



**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.



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

**Control display:** This is used to process the entered job.



By using our IPS small, the packaging time of the trays already pre-filled in the field could be increased by a multiple. Checkweighers at the beginning of the line separate the „right-weight“ trays from the „wrong-weight“ ones and the workers only have to correct the under- or overweight trays. At the same time, the workplaces have been ergonomically optimised, which enables faster work with better lighting.

The fast and efficient packaging of tomatoes was the main focus when planning this packaging line. Empty and full crates or trays are automatically transported to the workstations. This way, the workers always have all they need at hand to ensure quick packaging. The built-in lighting also guarantees optimal quality control.



To increase productivity, the IPS packaging line, optimised for transport packaging, was installed. It is planned with frontal, intelligent weighing tables for fast packing and repacking of exotic fruits such as mango, avocado or ginger. A checkweigher for crates and a carton labeller at the end of the line have also been installed.

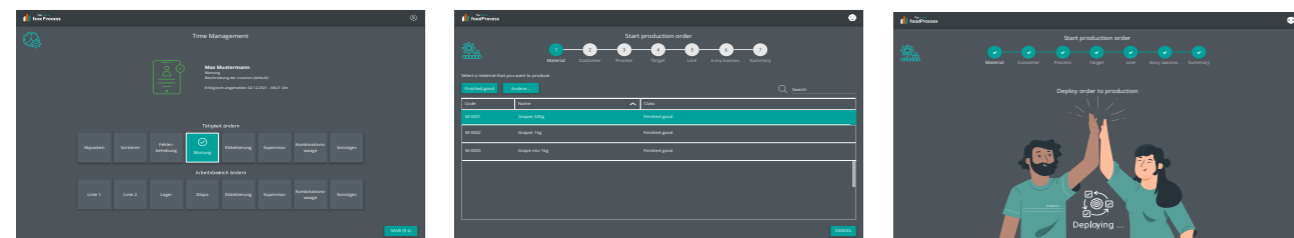
TopControl foodProcess is an intuitive and unique software solution that provides a complete overview of the harvest and production process. In combination with all other TopControl solutions (Weighing, Labelling and Packaging Solutions) a maximum increase in productivity is guaranteed.

At the touch of a button, foodProcess generates user-defined reports that provide information about weight

with giveaway, activities, performance data, sales forecasts and much more. All data is stored in real time on a local server and can be accessed at any time through intuitive dashboards. The recording of performance data enables optimal resource management and significant cost reduction.

The software is perfectly suited for small and medium-sized companies in the food industry.

Complete data recording of harvesting and/or production process	Intelligent productivity increase	Resource optimisation & cost reduction	Harvest recording directly in the field and/or in the production hall	Weight, time and activity tracking
Data acquisition of performance, weight information & production times	Profit increase	Maximum reduction of goods given away	Efficiency enhancement	Quality enhancement



Our solutions for more process productivity and efficiency in your company

Your food products go through a great number of work steps before they reach the consumer. First, there is the harvest. The product is sorted and weighed, and some of it is stored. For sale, the product must be labelled and packaged. To save time on all those steps, optimise the deployment of staff, and, most importantly, reduce giveaway – the goods that are given away due to inaccurate weighing –, we have developed innovative hardware and

software solutions for the food industry. We know that no two businesses are alike in their requirements, which is why we customise our comprehensive solutions individually for your company, thus fulfilling all your requirements. Our customers include large firms and small and medium-sized enterprises but also small companies and family businesses, whom we help with our ultra-modern technology by increasing productivity and reducing costs.

## KEY BENEFITS

> 30% achieved productivity gains	> 30% work faster & more effectively with TopControl solutions	< 1% reduction of giveaways	3-24 month return on investment	efficiency increase for your company





Never give up.  
Together we will reach new goals.

 **TopControl**  
Everything in motion

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