



PEPPER SORTING SOLUTION

AWETA.COM

QUALITY SORTING

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AWETA

QUALITY SORTING

The face of agriculture is changing. A change that is charged by a substantial growth in the world’s population and an increasing demand for more varied and healthier, high-quality food. Aweta responds to this appetite for change with cutting edge pepper sorting technology.

Our state-of-the-art sensor systems are able to analyze all internal and external characteristics determining the quality of the peppers, providing a perfect sorting result while reducing labor and costs.

In addition to the best sorting technology, Aweta also provides solutions for your logistics needs required for an efficient pepper packing operation. This includes bin handling, pepper transportation and palletizing.

We understand that to improve margins you need a partner to help you improve your quality while reducing your operational costs, increasing your return on investment. That is what keeps you ahead of the competition.



Otto Vink
CEO Aweta



↓ INFEED SYSTEM

With over 55 years of experience we are here to help you find the optimal solution for your specific pepper infeed system challenges.



BIN DUMPER

We support extensive integration with harvest automation systems. Ensuring your products to be carefully transferred into the sorting machine in a constant high production flow.

MANUAL DUMPING

Manual dumping solutions are your choice for lines with a maximum capacity of 5 ton/hour. Crates are manually dumped on a tipping belt for smooth and continuous transport to the grading line.



INFEED HANDLING

Feeding step belt that spreads out multilayer bulk products into a single layer. Blowers and discharge conveyers for leaf removal. Sorting tables for cutting the stems and the manual selection of 2nd and 3rd quality. Full registration in the general lot result.



GRADING & SENSORS

There is an increasing demand for higher external and internal quality. Esthetic appearance is the main decision criteria for purchase. Internal quality (absence of internal defects) is linked to aspects that are not generally perceived externally but are equally important to many consumers.

CUPSIZER

PENTACUP-XL

DUALVISION

COLOR & DIAMETER

LEDVISION

COLOR & DIAMETER

ARTIFICIAL INTELLIGENCE

ADVANCED VISION

EXTERNAL QUALITY

INSCAN PULSE

EXTERNAL QUALITY



CUPSIZER

THE CUPSIZER ALLOWS
ACCURATE WEIGHT
MEASUREMENTS
REDUCING LABOR COSTS
AND **WEIGHT GIVEAWAY.**



SINGULATOR

Very robust design.
Extra thick shafts.
Ensures perfect singulation.
Rotation of single product for optimal
camera presentation.

MAIN GRADER

Fruit friendly, quiet, accurate.
Low cost of ownership.
Maintenance friendly.



CUPSIZER

SORTING MACHINE

The cupsizer is specifically designed to handle peppers. Thanks to the designed rollers and cups our automated singulator can align and rotate your peppers without manual operators. Ensuring perfect singulation of your peppers, optimal camera presentation, and accurate weight measurements reducing labor costs and weight giveaway.



HIGHLIGHTS

Saves costs on labor.
Weight optimization.
Reducing weight giveaway.
Sensor options: weight, color, diameter.
Advanced vision – external quality.
Inscan pulse – internal quality.



PENTACUP-XL

THE PENTACUP-XL
ENSURES **PERFECT
SINGULATION**
AND GRADING AT
VERY **HIGH SPEED.**



PENTACUP XL

SORTING MACHINE

The Pentacup XL is specifically designed to handle peppers. Thanks to the designed V-belts and cups our singulator can align your peppers without manual operators. Ensuring perfect singulation and grading at very high speed.



SINGULATOR

Set up multiple V-belts.
Limited transfer into the cups.
Ensures perfect singulation.

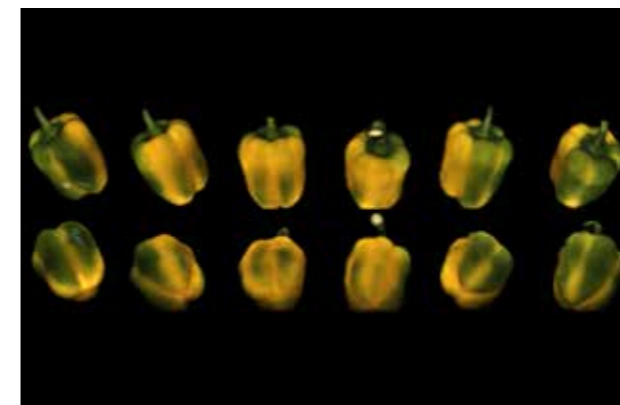
MAIN GRADER

Accurate weight measurement.
High speed.
High capacity.
Product friendly.



HIGHLIGHTS

Saves costs on labor.
Weight optimization.
Reducing weight giveaway.
High speed.
Sensor options: weight, color, diameter.



COLOR & DIAMETER

The Ledvision and Dualvision camera system take either multiple top view images or images from 2 sides simultaneously in order to determine the color & diameter of your product.



DUALVISION, LEDVISION
& ADVANCED VISION

EXTERNAL QUALITY

The various camera systems each have their unique capabilities when grading peppers. The Ledvision and Dualvision camera systems are specifically designed grade your product by color and diameter. The Advanced Vision system has the ability to identify and grade defects based on individual characteristics instead of solely by color and contrast. It allows you to optimize batch quality and to add value by satisfying the needs of different markets.

EXTERNAL DEFECTS

The Advanced Vision camera creates a full 3D representation of your peppers. It has the ability to identify and grade defects based on individual characteristics instead of solely by colour and contrast alone. The camera system can detect on- skin defects such as thrips damage, scars and through skin defects such as rot and sunburn.



SHAPE & SIZE

Both our advanced- and dual vision camera systems can make a distinction between shape and size and sort accordingly by width, length, and density.



INSCAN PULSE

EXTERNAL QUALITY

THE PEPPER **INSCAN SYSTEM** HAS BEEN SPECIFICALLY DESIGNED FOR PEPPERS TO **NON-DESTRUCTIVELY MEASURE** THEIR **INTERNAL QUALITY.**



INTERNAL DEFECT

The Inscan allows you to remove the products with internal mould caused by fusarium rot, increasing the overall quality of your end product..

HIGHLIGHTS

- Improved 1st class on internal quality.
- Non-destructive.
- Realtime measurement on every pepper.
- Harvest feedback tool.



INSCAN

INTERNAL QUALITY SCAN

The Pepper Inscan non-destructively measures the internal quality of your pepper and provides a perfect product to your customers. The Inscan allows you to remove the products with internal mould caused by fusarium rot.





PACKING

Aweta provides tailor-made solutions. An example is our line of unique and versatile packaging systems. Produce is packed in accordance to the individual requirements of the customer (e.g. supermarkets and retailers). All packaging can be labelled with the date of production and all other desired information, enabling accurate tracking and tracing on an international level, in compliance with the latest Produce Traceability standards.



MANUAL PACKING

Products can be fed into the exits continuously or per exact weight batch before manual packed into a box or crate. Full boxes or crates can be transported by chain conveyors to be labelled with the date of production and all other desired information, enabling accurate tracking and tracing.

SEMI AUTOMATIC FILLING

With this option a batch of peppers is brought into an outlet belt of the sorting machine, the button will light up when the desired batch quantity is reached and by one push on the button the products are loaded in the box or crate.



FULL AUTOMATIC FILLING

The full automatic filling option allows you to automatically collect and fill your boxes or crates. This solution includes automated feeding of the empty and discharge of full boxes or crates. For perfect fitting of the products in box or crate a vibration table can be included.



BIN AND BOX LOGISTICS

All of Aweta's bin and box logistics processes operate using a unique management and supervision system. This will ensure full control of the entire plant's bin and box logistics, ensuring a higher efficiency throughout the whole production process. With the clever and strategic use of accuveyors and palletizers, plant productivity will increase, while decreasing operational costs.



PALLET SPIDER

With our automatic pallet retrieval system, combined with empty pallet buffer and positioning spider, the system will be continuously fed with empty pallets.

ACCUVEYOR

Implementing an accuveyor buffer system will ensure that all palletizers are utilized to their full maximum potential. This will enhance your total production and minimize waiting times.



PALLETIZING

With our palletizers, you are able to automate your installation even further while decreasing personnel costs, and eliminate heavy workload. With various stacking patterns and operating options, the Aweta palletizers will make your life a lot easier.



FLOWMASTER

USER INTERFACE



OUR **HIGH-END SOFTWARE** SYSTEMS COLLECT **DATA** TO ENABLE YOU TO **MAXIMIZE PERFORMANCE.**

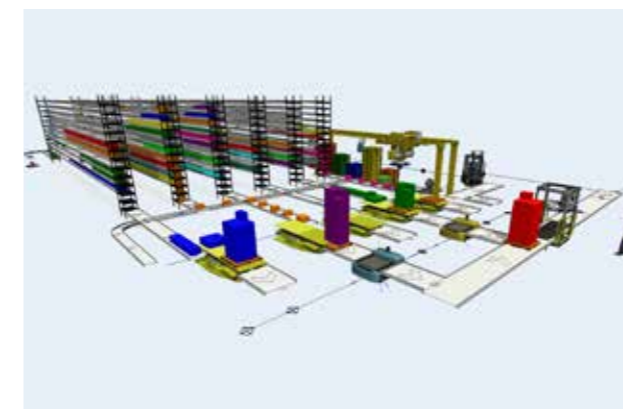


USER INTERFACE

Flowmaster is our user friendly user-interface that allows our customers to control their sorting and packing needs in a very simple and efficient way.

PLANT CONTROL

Our SCADA system is controlled from a central control panel, ensuring a full overview of all your vital production sections. This results in an optimal production environment, year in, year out.



TRACK & TRACE

Our Track system manages the entire route of your product data during the sorting and packing process. Information is collected and can be exported to 3rd party databases to enable tracing.



FLOWMASTER SOFTWARE

This means you have a total overview and control of your sorting and packing process. Aweta is a world leader in produce traceability and plant control. This will enable you to reach the highest level of flexibility while maintaining a very high level of control of information.



CUSTOMER CARE

Aweta's industry-leading service and technical support network is dedicated to ensure optimal runability of your Aweta machine. Thanks to the strategic positioning of our service teams, we are ready to support you anywhere in the world, at any time.



MAINTENANCE & UPGRADES

Preventive maintenance for maximum up-time.
Machine adjustments.
Replacement of wear and tear parts.
Update software to latest standards.
Upgrade to current hardware.
Check-up of sensors and camera's.

UP-TIME PACKAGE

Checklist for easy replenishment.
Contains all consumables.
Periodic check of your system, online or onsite.
24 hour helpdesk available.



SERVICE & SPARE PARTS

On-site visit from our field service engineers.
Quality parts supply.
Local storage of spare-parts.



TRAINING & SUPPORT

With our advanced technology it is very important to have a good grasp of how to operate your sorting equipment. At Aweta we do everything possible to make sure that our state-of-the-art technology is easy and intuitive to operate. But on the other side, we also want you to have a good understanding of the capabilities. Boost your productivity and quality, enhance your operator's capabilities and learn more about the technology incorporated in your Aweta.



USER INTERFACE

Training at your own facility.
Training at our facilities in The Netherlands, Italy or in the USA.
Training certificates will be issued after a successful training.

TRAINING

Our operator training covers all the hardware and software basics needed for the day-to-day business of operating the sorting process. With our advanced operator training, our experts will take you even deeper into the system. Learn all about quality sorting, software adjustments and extended plant control!



HELPDESK

We assist you with questions on functioning of your Aweta equipment, and help detecting and solving problems. We help you with ordering spare parts and can arrange a technician for on-site visit or offer you online support.

helpdesk@aweta.nl, +31 88 668 8000



WE ADD **VALUE**
TO OUR
CUSTOMERS

BY **UNDERSTANDING**
OUR **CUSTOMERS'** NEEDS,
CONTINUOUSLY WORKING ON
NEW DEVELOPMENTS AND
CUTTING-EDGE TECHNOLOGIES,
WE PROVIDE OUR CUSTOMERS
WITH THE **LATEST TECHNOLOGY**
OF SORTING & PACKING
SOLUTIONS. BECAUSE ONLY
TOGETHER WE CAN **PROVIDE**
THE WHOLE WORLD WITH MORE
SUSTAINABLE, VARIED AND
HEALTHIER, HIGH-QUALITY
FOOD.



AWETA

WORLD OF SORTING TECHNOLOGY



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