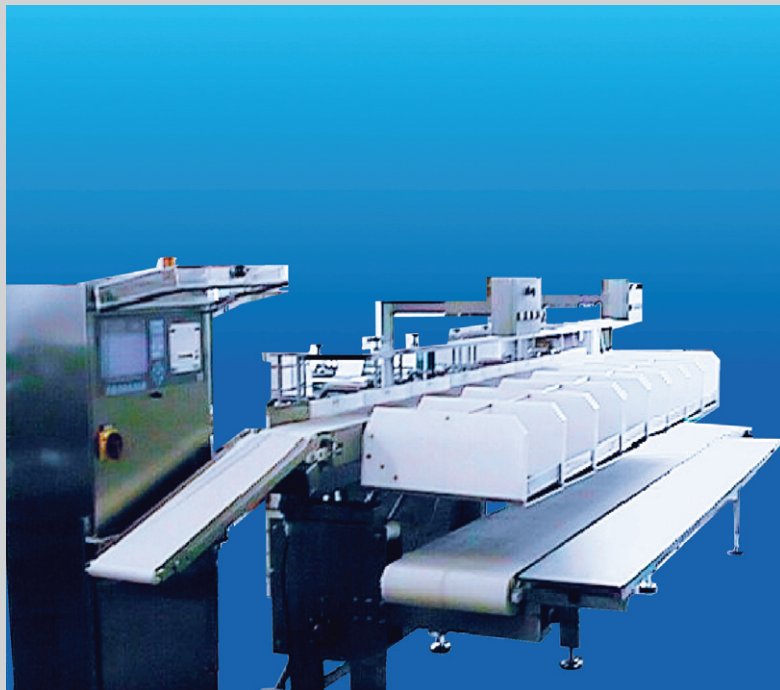




# UES - Universal Equalizing System

For combination weighing and the assembly of batches, boxes and bags with a fixed standard weight. For food, non-food, fresh and frozen products.



- Up to 75% reduction of overweight
- Enables direct connection to price-labeling machines
- Combines compact design with high throughput

# UES - Universal Equalizing System

## System Description

- 4 to 12 channels depending on the criteria which will be applied
- IP 66 protection
- All stainless steel – specially made for fresh foods
- Optimum properties for best hygiene
- Modern PC-compatible operating system based on PC-104 technology
- "Unisort Software" guarantees easy handling for the operator
- High resolution TFT-color-display
- Compact and space-saving construction
- Allows for additional processes like sorting, calibrating and counting
- Allows for simultaneous sorting and equalizing (combination weighing)
- Does not require an independent check weighing system

## Technical Options

- Statistics program with printer
- The packing table can be equipped with an automatic conveyer-belt for further delivery of packed boxes.
- Height of packing table adjustable (mechanically or electrically)
- System for the prevention of wrong labeling – Products which are not apt for equalizing will not be labeled.
- Opto-acoustical alarm

## Machine Options

- UES – R Additional conveyers (rollers) for smooth product transport.
- UES – D Avoids pressure points in case of sensitive foods like bananas. Smooth product handling is secured by the usage of turntables, which help to avoid excessive product contact.
- UES – B Special conveyer belts enable maximum savings in space and minimum machine dimensions.
- UES – M For the production of mixed lots – in the case of the assembly of boxes with a fixed standard weight and different types of product-contents.

## Unisort Software

The UNISORT-Software supports complicated combination weighing (equalizing) as well as additional functions like sorting processes (as an option), calibrating and counting. Also the possibility of simultaneous combination weighing and sorting exists. The data input is very user friendly, using only one input-window. Each channel can be programmed for different types of tasks.

Numerous options enable the user to operate the UES according to his own specific requirements. The "statistics" option offers a wide range of statistical production data together with an optional printer for print-outs.

## Standard Functions of the Unisort Software

- Easy to use menu for input of basic data and operating parameters.
- Memory for up to 127 sets of products
- Security system for power-failure with data memory
- Possible data transfer from labeling machine (Bizerba, Espera, Leich & Mehl, Cigiemme, Hobart)
- Operation with different function-keys (softkey keyboard)
- "station ready" automatically or with separate reconfirmation by operator
- Each channel can be programmed individually

## Optional Functions of the Unisort Software

- Software upgrade for additional sorting - includes the possibility of a separate data output for each function
- Self-optimization – automatic setting of Pmin and Pmax
- Automatic label control
- "Forced categorization" with choice of parameters – and possible reconfirmation by operator
- Up to six different priority levels (including channel priorities or exclusivities)
- Pre-selection mode – i.e. number of products to be produced
- Correction of statistical data – i.e. deletion of specific cartons or products from the production data list
- Control of throughput – in combination with "forced categorization" or alarm

## Technical Data

Length in total	5.800 mm (UES-8) 3.800 mm (UES-4)
Width in total	1.400 mm (up to 2.000 mm)
Weight	700 to 1000 kg
Power supply	230/380 V 50/60 Hz 6,3 A
Pneumatics	6 bar (30 l/min.)
Output magnetic valves	24 V DC 100 mA
Noise level	61 dB (average), 66 dB (maximum)
Interface	RS 232 C serial for price labeling machine
Throughput max.	up to 150 pcs./min. depending on product
Max. weight of product	up to 1.000 g (with option for more)
Max. weight for batch	depending on size of trays/channels

## Technical Drawing

