

# ManDos - operating concept

## Intuitive user interface for ideal handling

Icon-based

Graphically supported

For various control units

### The task in hand

Modern production lines frequently also require manual weighing of small quantities alongside fully automatic systems. The small quantities in the recipes are the raw materials that are decisive for the quality of the product, since it is precisely these materials that influence vital product properties like colour, taste or active substance. Weighing of small quantities can be regulated and documented by the ManDos manual weighing system.

This results in different operational requirements for the various processes.

Requirements:

- optimum user guidance through the weighing process
- different control units (size and format), adapted to the location and needs of customers
- operation under rough conditions, e.g. exterior area

### The solution

The ManDos system provides a standard operating concept on different terminal devices. Icons and graphic elements help guide the user. As there are different user interfaces, adjusted to the size of the screen, it is possible to meet the varying requirements with regard to the control units that are in use. These units can be combined to suit, the operating concept is always the same.

## THE SOLUTION



### Icon-based operating concept

The ManDos manual weighing system is operated via a touch screen. Functions are selected by using easily understandable icons. The machine operator can select functions and is guided through the menu structure using icons. At the same time, the menu structure adjusts to the customer's specific configuration and the current situation.

When operating under rough conditions, operation is also possible using function keys or a keypad, if use of a touch screen is not advisable.

### User guidance with graphic instructions

The machine operator is guided through the weighing process with operating instructions, and in addition with graphic icons. This makes operation simpler and faster. Training new users is significantly easier thanks to the intuitive operation.



## Various control units

The variety of screen formats and sizes is achieved by using customised operating clients, which allow ideal operation for each respective unit.

The identical operating concept on the various clients makes it easy to switch between different workstations.



mobile terminal device



user interface for small screens

## User guidance

The action that follows is visualised clearly for the machine operator and explained via additional text instructions.



## Enhanced operational safety

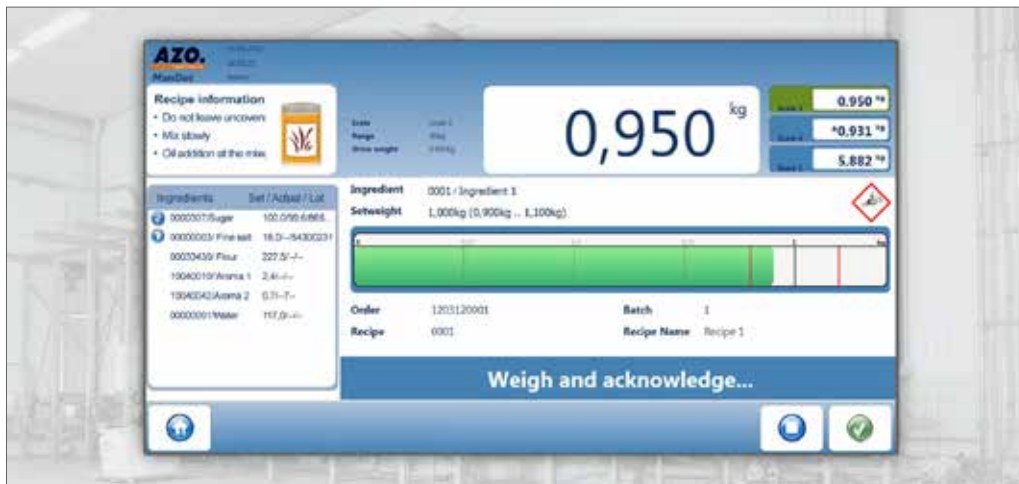
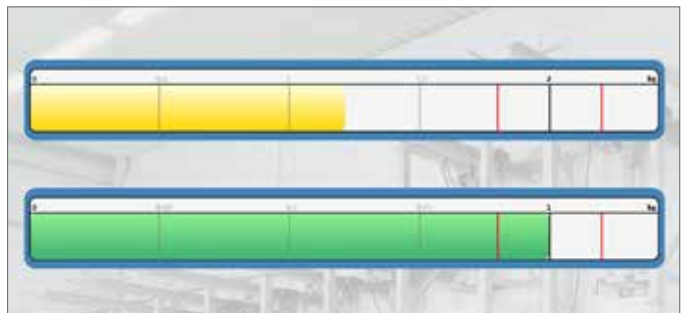
There is an option to provide the machine operator with additional help by displaying pictograms during the weighing process.

Warning signs and hazardous substance symbols during handling of critical raw materials also afford safe production.



## Weighing progress bar

A large display of the weight and also a weighing progress bar provide assistance in the weighing process. The weighing progress bar represents the current status of weighing and guides the machine operator as the colour changes from yellow to green, as soon as the range of tolerance has been reached for the current step in weighing.



user interface for wide screens

## Support for wide screens

Modern industrial PCs are also available in 16:9 monitor formats. The ManDos user interface supports these wide screen formats and provides the user with additional information on the progress of the current batch and on the recipe. This means the machine operator can better observe how the current job is progressing and is guided through the production process even more efficiently with the additional recipe information.