

# LINEAR SCALE SYSTEM

Developed for the application in difficult environments

**ITW**

Industrie-Technik Werth GmbH

## Model ALPHA I-V



SCALING of  
all  
Products  
GRANULATES  
or  
Counting  
BULKY  
Products

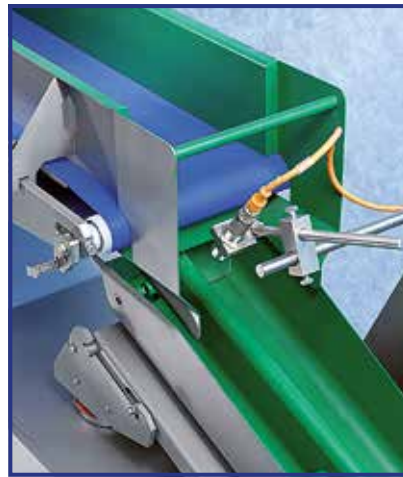
Specially designed for the **Scaling**  
of FOOD Moist fragile Sticky  
Difficult or COMPLEX



Plums  
Rice Pudding  
Mozzarella  
Salad  
Convenience food  
Fresh cut  
vegetables  
Grated cheese



Pastries  
Candy  
Sea fruits  
Delicacies  
Cheese cubes  
Fresh cut  
fruits  
Cottage cheese  
Grapes



## Configuration and important basic functions

- Robust, stable design
- Simple and easy handling
- Simple maintenance
- Up to 5 parallel weighing lines
- Range of weight from 0 - 20 kg
- Speed: up to 20 weighings per min / per weighing head
- Quick and easy disassembly and re-assembly of all parts in contact with the product
- Max. reduction of cleaning time for product change
- Automatic taring intervals, freely adjustable
- Automatic average value of weighing control
- Automatic discharge of excess weights
- Minimum and maximum weight entries with signal output
- External operation and control (PC or network)
- Calculation of parameters for static purposes
- Storage of all program parameters via USB

## Options

- Teflon coating of all parts in contact with the product
- Option to actuate/control separate feed systems
- Program change to customer-specific requirements
- Integration or construction of external feed systems
- Special platform designs
- Centrally installed switch cabinet for synchronization of the system
- Signal lights for the synchro and alarm messages
- Transfer stations for the synchro with thermoforming machines
- Transfer stations, collecting containers for the synchro with packaging machines
- Mobile versions
- Counting function for lumpy products
- Plus a variety of other options are possible



## Technical design

- From 1 to 5 weighing lines
- Complete stainless steel construction
- Weighing cells made of stainless steel, protection class IP67
- Flaps of weighing bucket, special anti stick version
- Weighing flaps opening pneumatic or motor-driven
- Product transport by means of a conveyor belt and / or powerful Vibrators
- Product-specific adapted coarse and fine vibration channels
- Regulation of the vibration amplitude via frequency with optimization
- Vibrator drive via magnetic coils, wet operation design
- Enclosed scale housing, protection class IP67
- Disassembly of the electrical, pneumatic and mechanical connections via quick exchange unit (w/o tools)
- Drives of the feed belts by means of drum motors, degree of protection IP67 / 69
- Connections of the controls and the evaluation units via BUS systems, protection class IP67
- Scales control via PLC control
- Operation via 12" color touch screen in a stainless steel housing, Degree of protection IP65 / 66
- Storage of up to 99 programs

## Services

- Installation and service by specialized technicians
- Fast and reliable customer service
- Fast spare parts supply, parts in stock
- Documentation in the respective national language



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