

## C3000 System

### Perfectly Customised Solutions



#### The modular system for your monitoring process

System architecture with the utmost flexibility: This new generation of checkweighers offers a whole host of ways to combine mechanical and electronic options. Our experienced consultants take your production requirements and use them to configure the perfect checkweigher to suit your application.

From diverse base frame designs and a huge range of product transport options, right through to a product-oriented ejection process that uses a variety of sorting equipment for quick yet careful operation – you really can have it all.

Intelligent monitoring systems monitor the steady flow of your production processes and document their progress, while various statistics programs are on hand to keep you right in the picture. And all this information is there whenever you want it, from the comfort of your desk.

At the same time, sophisticated software options readjust the filling machines to ensure that the filling behaviour achieves its best performance at all times, and correct the filling quantity in the process. But it doesn't end there!

When it comes to expansions, we're already well and truly fit for the future.

# Maximum Performance Even at the Planning Stage

**With a checkweigher design that's as logical as this, it's no surprise that configuration is intuitive too.**

The "modular architecture" of the C3000 system means it can be perfectly adapted to suit the user's production requirements. In just a few logical steps, the configuration of the checkweigher or combination solution is complete:



## 1. Select your weighing terminal

Are you looking for excellent readability even from afar and straightforward, intuitive operation? Or would a touchscreen display half the size be enough?



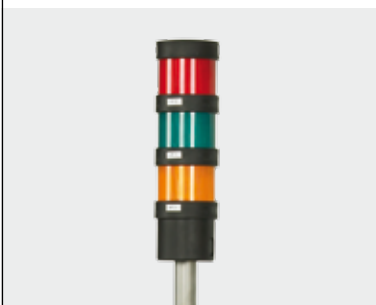
## 2. Select your base frame

Dry or moist/wet application? Or would a CombiChecker / metal detector combination be the best solution?



## 3. Select your conveyor belt design

Tall bottles or aerosol cans with a slight wobble – or flat products such as boxes or bags?



## 4. Select your electrical options

Do you need an alarm signal in case of product backup on the production line or misaligned boxes? The C3000 system makes a whole host of monitoring functions a reality.

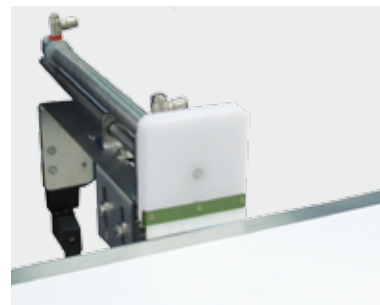
**5. Select your software options**

Statistics for documenting production?  
Automatic filling machine readjustment required? How about automatic switching between product types (product setups)?



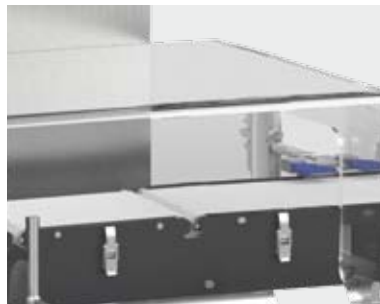
**6. Select your sorting rejecting equipment**

Air jet for light products? Rotary collection table for rejected products? Maybe even a pusher for heavy products?



**7. Select additional options**

Do you need a protective cover to run the length of the system? Would it make sense to have special surface corrosion protection?



**8. Select documentation options**

Do you need system qualification documents? Operating instructions and spare parts lists on a CD/DVD?



## A sample of the variety of options on offer

– for perfectly customised solutions:

### Weighing terminal

- Touchscreen display size (7", 10" or 15")

### Base frame

- Standard or special hygienic design

### Product handling

- Standard conveyor belts
- Hygienic conveyor belts
- D15 belt conveyors for the utmost weighing precision
- Belt conveyor for granulate and powder
- Chain conveyor
- Infeed timing starwheel
- Worm (infeed timing screw)

### Electrics and sensors

- Monitoring equipment such as product backup detection light barriers
- Open flap detection
- Askew package detection
- Successive errors detection
- Various inputs/outputs and floating contacts for a range of purposes, e.g. the "Clear conveyors" function
- Product backup contact as an input
- Signalling equipment

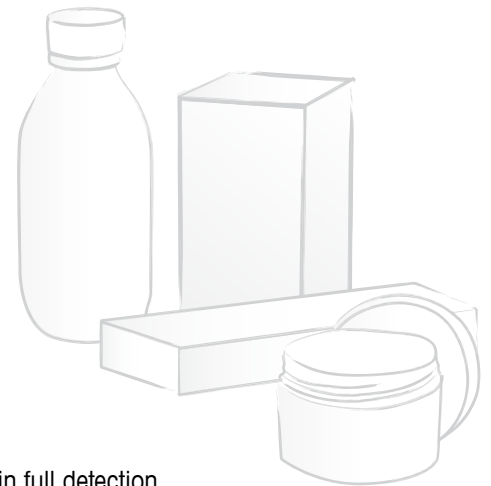
### Software options

- Gliding limits
- Various types of statistics programs
- Mean value trend monitoring

- Various types of feedback control (filling machine readjustment)
- "Number of units" counting function
- Volumetric filling ("ml" display)
- Filling head test
- Tare gross weighing program
- Action counter
- Spot-check ejection function
- Various multi-evaluation versions
- In-process testing (IPT)
- Login server, login domain groups
- Local audit trail
- Profibus interface
- FreeWeigh.NET connection
- ProdX device driver
- OPC server
- Fieldbus interface module

### Sorting equipment and monitoring

- Air jet, high-performance air jet, double air jet, twin air jet, pusher, high-performance pusher, pusher with integrated air jet, soft pusher, lift gate conveyor unit, lift gate, side grip sorting unit with air jet or pusher, electric pusher with adjustable stroke (up to 160 mm), flipper sorting unit on separate frame
- Swing gate
- Catch bin (polycarbonate or stainless steel), protective lining in catch bin, rotary collection table, separate roller path for collecting



- Catch bin full detection, rejection countercheck in bad path, countercheck in good path
- Product stopper unit

### Other options

- Various protective covers and housings (polycarbonate or stainless steel)
- Height adjustment, transversal adjustment
- Mobile design
- Glass bead-blasted surface finish, IP65 protection against water, surface and corrosion protection at various levels

### Technical documentation, useful documents

- IPac for commissioning
- EQ-Pac for equipment qualification
- Operating instructions, in printed form or on CD/DVD

### Services

- Acceptance by customer in the form of a factory or site acceptance test (FAT/SAT)



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