

HIGH PRECISION WEIGHING FOR MEDIUM SPEED APPLICATIONS

HC-M BASIC

The dynamic **HC-M** checkweigher is the ideal medium speed weighing solution for a wide range of checking, regulation and control tasks. The HC-M checkweighers are the next step up on the performance curve from the entry level EC-E machines. HC-M machines are capable of 250 weighing operations per minute.

The HC-M checkweigher offers you operator-friendly solutions. It doesn't matter whether you want to check the current actual weight, carry out a completeness check on your products or perform sorting or classification. The sturdy base frame made of stainless steel enables high weighing accuracy at medium

belt speeds or throughput rates. Checkweighers from WIPOTEC-OCS are a byword for 100% product monitoring.

The lightweight, patented conveyor systems and the particularly carefully coordinated drive concept ensure optimum smoothness with quiet running and

fast, safe product transport. Individually adapted solutions can be implemented in a modular fashion for a wide range of product shapes. A sophisticated and wide spectrum of sorting devices (e.g. pusher, air blast nozzles) is available to reject products with incorrect weight reliably and without disturbing production.



MAIN FEATURES

- ✔ Entire machine in stainless steel housing with infeed, weighing, and outfeed belts (NT30)
- ✔ One sorter attachment (air blast)
- ✔ Maintenance-free servo drives
- ✔ Certified (MID)
- ✔ WIPOTEC Weighing Technology EMFR Weigh Cells
- ✔ Simple, menu-directed operation on 10.4" colour TFT touchscreen
- ✔ Memory for 100 product parameters
- ✔ Easy, tool-free exchange of belts and conveyors
- ✔ Flexible integration in production lines
- ✔ Line synchronisation with potential-free I/O signals
- ✔ Extensive statistical functions/histograms for production documentation

YOUR BENEFITS

- ✔ Maximum throughput 250 pcs/min
- ✔ Exact fill results for higher productivity
- ✔ Efficiency improvement through simple and user-friendly controls
- ✔ Requirements-based modularity for the greatest flexibility

TECHNICAL DATASHEET

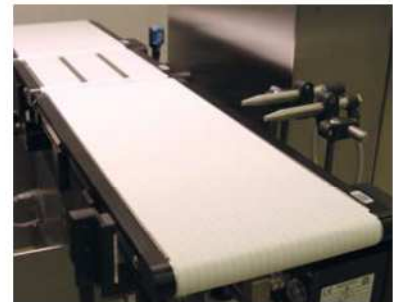
Working height	700–850/800–950/900–1,050 mm
Belt width	120/150/200/300 ¹⁾ /400 ¹⁾ mm
Infeed belt	200/300/400/500/600 mm
Outfeed belt	200/300/400/500/600 mm
Weighing belt	200/250 ¹⁾ /300/400/500 mm
Weight range	750–7,500 g
Display value	from 0.1 g
Min. calibration value	0.1 g – 1.0 g
Standard deviation²⁾	from 100 mg
Max. output²⁾	250 pieces/minute
Rated voltage; rated frequency	L1/N/PE; 100–240 VAC; 50/60 Hz
Power capacity	approx. 0.8 kVA
Compressed air supply	6 bar approx. 10 NI/min
Tare weight	120 kg
EC-certified	DE-18-MI006-PTB001 (MID)

1) Option, additional price

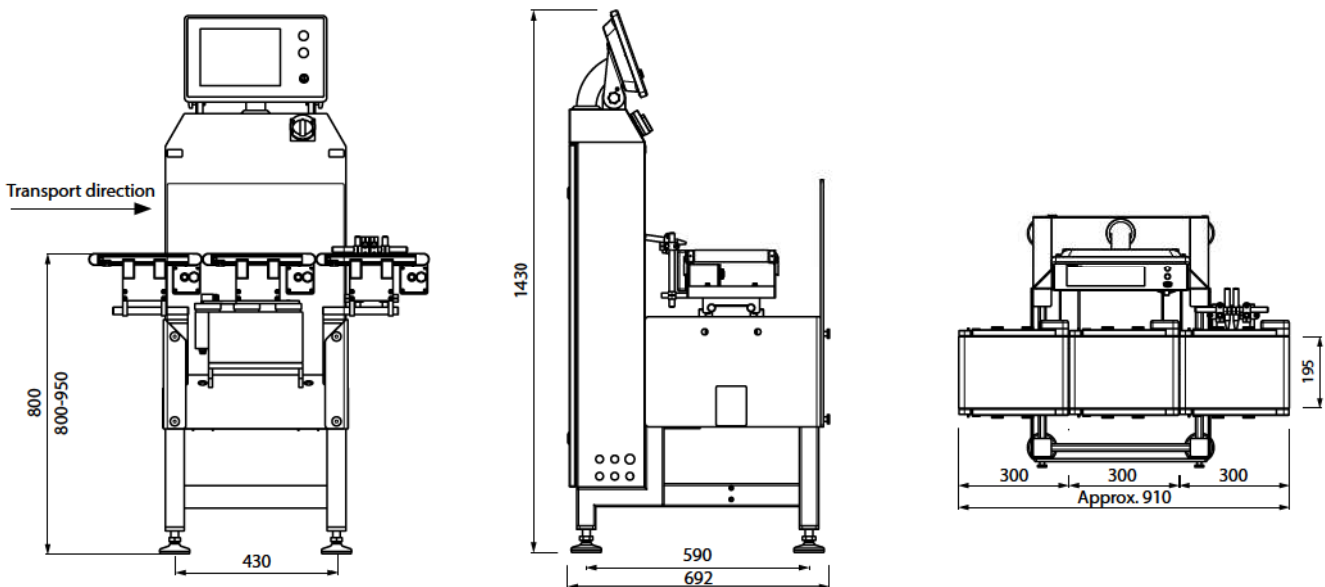
2) Dependent on product form, product behaviour, transport speed, and local conditions



Easy operation: Touchscreen display with optional emergency stop



Air blast nozzle (on right) for secure ejection of under or overweight products



All details in mm | Drawing shows sample version

HC-M: DIVERSE OPTIONS FOR YOUR CUSTOM APPLICATION

Mechanical options

1

- ✓ Various belt lengths and widths
- ✓ Requirements-based transport system
- ✓ Free standing conveyor belt
- ✓ Combination frame (for metal detector)
- ✓ Metal detector belt
- ✓ Special working heights
- ✓ Support feet

Product handling

2

- ✓ Lateral guide rails
- ✓ Rolling knife edge
- ✓ Bridge plate between belts
- ✓ Fully adjustable settings for top belts, scooped belts, and lateral pressure belts
- ✓ Intralox linked chain belts

Statistics / Data export

3

- ✓ USB stick
- ✓ Configurable statistics transfer
- ✓ Comscale4
- ✓ XML and OPC interface
- ✓ Standard interfaces (profibus, Ethernet/IP)
- ✓ Connection to Freeweigh.Net
- ✓ Backup/restore program package

Monitoring functions

4

- ✓ Product flow control
- ✓ Serial fault detection
- ✓ Sensor control
- ✓ Additional product controls (flaps, inclined angles)
- ✓ Pressure switch
- ✓ Fill level check/collector box
- ✓ Emergency stop (various versions)
- ✓ Potential-free infeed

Weighing technology

5

- ✓ Fully covered weighing belt as protection against draughts
- ✓ Approved variant available
- ✓ Performance of MID conformity assessment (formerly initial verification)
- ✓ Weigh cell with preload adjusted noise compensation
- ✓ Multi-interval/multi-range scale

Electronic options

6

- ✓ Lamp tower (one or three step)
- ✓ Signal horn
- ✓ Expandable product parameter memory
- ✓ Control over max. 5 transport drive motors
- ✓ Interfaced frequency converter
- ✓ Numerical remote display
- ✓ Supplemental potential-free I/O
- ✓ Integrated metal detector

Sorting options

7

- ✓ Pusher
- ✓ Free standing hinged flap
- ✓ Flipper
- ✓ Second sorter
- ✓ Rejection bin, lockable
- ✓ Stainless steel drop shaft

Control functions

8

- ✓ Mean value regulation (for single filler head)
- ✓ Mean value regulation (for dual filler heads)
- ✓ Floating mean value control
- ✓ Minimised ejections