

EC^E

ESSENTIAL



MADE IN GERMANY



os
CHECKWEIGHERS

COMPREHENSIVE STANDARD EQUIPMENT ECE

Reliable, future-proof, unique.

Base frame in stainless steel

Stainless steel cabinet with integrated control system

3 NT30 transport conveyors (infeed, weighing and outfeed conveyor); light-weight conveyor belt design (V2A/AISI 304; Aluminium anodised)

Maintenance-free drive units (servo technology)

Weigh Cell with EMFR technique (Electro Magnetic Force Restoration); automatic measuring time determination

1 sorting device (air blast)

8" colour TFT display with touch screen

Selectable menu language DE, EN, ES, FR, IT (standard); additional languages according to availability

Memory for 50 product parameters (optional to expand up to 100/200)

Line synchronisation with potential-free contacts for binary I/O-signals

- Input Automatic
 - Output Bringer release
 - Output Error
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Main switch in signal colour emergency stop functionality

Comprehensive statistic functions/histograms



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OPTIONS FOR UNIVERSAL USE

Intelligent, modular, cost-efficient.



↓ Mechanical options

- Various conveyor lengths and widths
- Additional NT30 transport conveyor
- Free standing NT30 metal detector conveyor (as additional infeed conveyor)
- Special working heights
- Supporting leg

↓ Sorting options

- Pusher
- Free standing flap conveyor
- Flipper
- Second sorting device
- Rejection bin, lockable
- Rejection chute made of stainless steel (V2A/AISI 304)

↓ Product handling options

- Lateral side guides
- Knife edges (with rollers)
- Transition plates between conveyors

↓ Statistical options

- USB stick
- Individual weight data transmission
- ComScale NT
- Thermal paper printer
- Available electrical data interfaces (Ethernet, RS 232, RS 422, RS 485, TTY)
- Connection to FreeWeigh.Net

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↓ Electrical options

- Triple light stack
- Single light stack
- Signal horn
- Potential-free input "Disable touch screen"
- Additional potential-free inputs and/or outputs

↓ Check and safety options

- Product flow control
- Air pressure monitoring
- Various emergency stop circuits
- Potential-free input "External error"
- Potential-free input "Fast stop"
- Fill level sensor for rejection bin

↓ Weighing/application options

- Full cover for weighing section to protect from air draughts
- Legal for trade design
- Initial MID verification

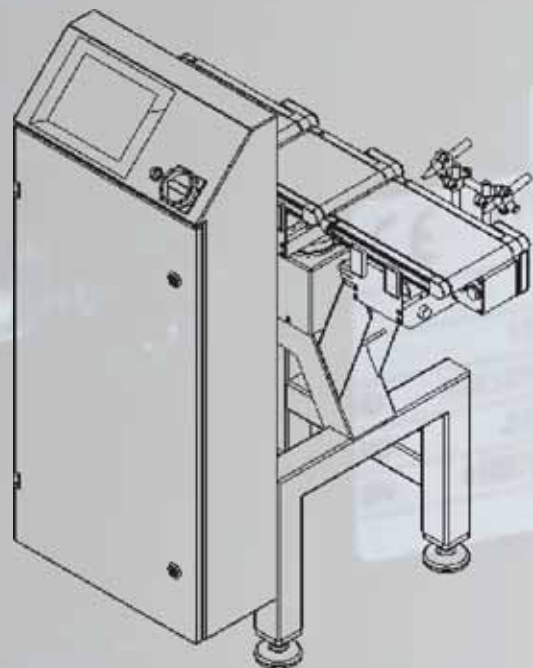
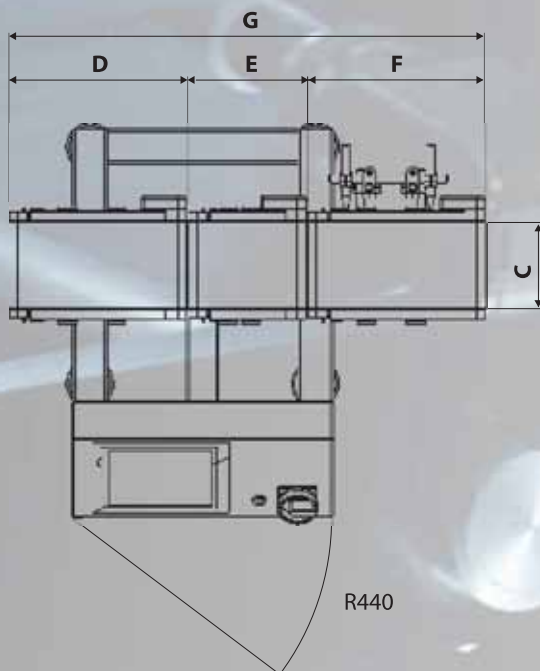
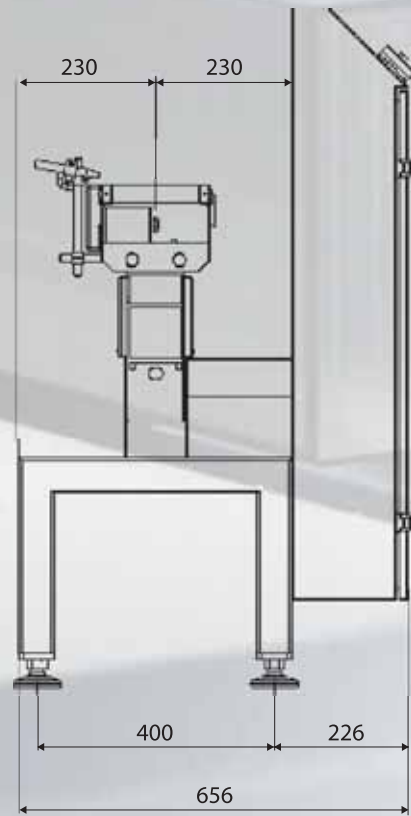
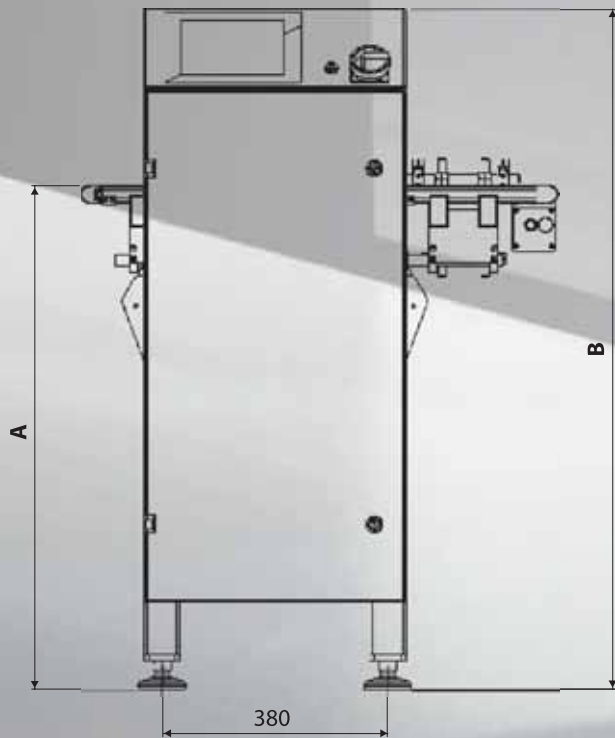
↓ Control functions

- Mean Value Regulation (MVR for one filling head)



TECHNICAL DATA

EC-ESSENTIAL in detail.



Dimensions

A	Working height	[mm]	650-800*/750-900/850-1,000/950-1,100*
B	Total height	[mm]	approx. 1,050-1,250 (+150 mm when using the max. foot height)
C	Conveyor width	[mm]	150/200/300* NT 30 (Roller diameter 30 mm)
D/F	Infeed conveyor	[mm]	300/400/500/600
	Outfeed conveyor	[mm]	300/400/500/600
E	Weighing conveyor	[mm]	200/300/400/500*
G	Total length	[mm]	D+E+F plus approx. 15 mm

* optional, additional charge

Weighing ranges	EC-E-1	EC-E-2	EC-E-3
Gross weighing range [g]	1,500	3,000	6,000
Display value (d) [g]	≥ 0.2	≥ 0.5	≥ 1.0
Calibration value (e) [g]	≥ 0.5	≥ 1.0	≥ 2.0

Throughput

Max. throughput ¹⁾	[ppm]	150 (max. 90 m/min.)
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Additional technical data

Temperature range	+5° C to +40° C
EC-Certification	DE-08-MI006-PTB028
Electrical connection	
Nominal voltage	100 to 240 V AC
Nominal frequency	50/60 Hz
Connected load	approx. 0.8 kVA
Compressed air supply	8 bar approx. 10NI/min.
Weight	
Intrinsic weight	approx. 100 kg
Dispatch weight	approx. 140 kg
Protection type ²⁾	Waterproofing IP 65 ³⁾
All stainless steel components in V2A/AISI 304	
Standard deviation (1s) ¹⁾	from 150 mg

¹⁾ Depending on the product shape, product behaviour, transport speed and ambient conditions

²⁾ We recommend an application-related test of the required protection type

³⁾ Sprayed water from above

HC-A Checkweigher system
for comprehensive applications

A



HC-M Checkweigher family
for advanced applications

M



EC-E Checkweigher for
basic applications

E



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