

## CombiChecker XS3 CC H

### In-line weighing and metal detection



#### Colour touchscreen

with large 15" display for best visibility and easy operation.



#### Memory locations

allow for a quick and easy changeover to another product.



#### Metal detector

with stainless steel housing and 2 fixed frequency ranges for optimum metal detection. Also available: a model with painted housing and single frequency range.



#### Two rejecting devices

ensure that metal-contaminated and off-weight products can be separately rejected.



#### Additional cable duct

for customer's use.



#### Weight monitoring and metal detection – in one process

With the proven XS3 CC H system GARVENS offers a perfect solution for manufacturers who care about their responsibilities especially in the food, pharmaceutical and cosmetics industries. It checks whether products are "on-weight" and free of metal contamination. Central article data editing at the weighing terminal of the checkweigher, quick and easy article changeover. Rejection of off-weight and metal-contaminated products, hygienic and HACCP compliant design.

The combination of a checkweigher from Garvens' proven "X Series" with a metal detector is a powerful system with double function enabling manufacturers to come up to the quality assurance criteria as per FDA, part 11 or IFS.

Technical data

## XS3 CC H

– for maximum safety

Whilst the checkweigher measures product weights fast and precisely, rejecting "out of tolerance" products, the metal detector reliably detects and rejects products contaminated by metal which could be a nut or bolt, metal particles, filings, staples, needles or wire pieces. The rejection of "bad" products is ensured by two rejecting devices – e. g. air jets, pushers or swing gates – so that metal-contaminated and off-weight products can be separately rejected. An article changeover can be carried out quickly and easily on the weighing terminal of the checkweigher – a count of metal-contaminated products is displayed and recorded together with weight information on the terminal screen, or on a PC or laptop connected via an Ethernet network. The hygienic design meets strict food processing regulations and allows easy cleaning.

### Checkweigher XS3 CC H

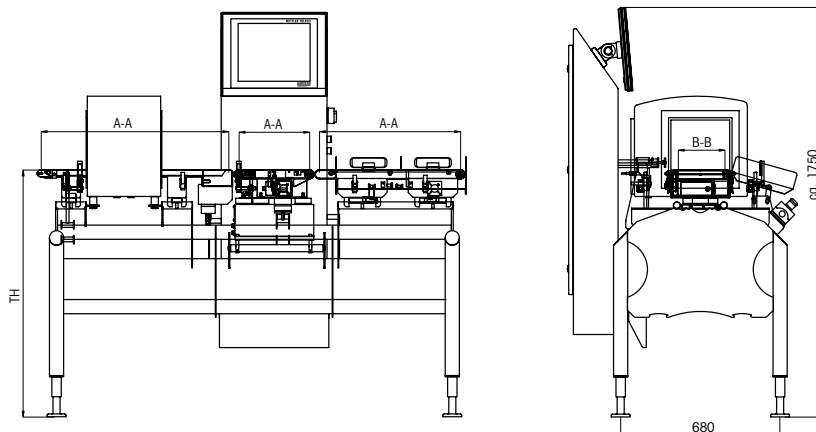
- "Weights and Measures" design-approved in certain countries
- access protection by password
- classification in up to 7 weight zones plus "metal"
- automatic or manual re-zeroing (setting to null)
- operator prompts (dialogues) in various user-set languages
- reduced build-up of dirt particles due to the tubular construction, sloping surfaces and minimal contact conveyor support clamps
- hole free framework
- open construction to facilitate cleaning
- additional cable duct for customer's production line wiring
- reduced number of support legs – with added stability

### Options and accessories

- stainless steel reject catch bins and guarding
- automatic feedback to filling controllers
- statistics programs for evaluation, with ticket printer or PrintStick
- various monitoring facilities (e. g. detection of product backup, rejection countercheck, successive errors detection)
- various infeed conveyors and infeed units
- various rejecting devices (e. g. air jet, drop-down conveyor, lift gate or swing gate)
- water ingress protection "IP65 full stainless steel version"
- industrial network integration / various weight data interfaces
- GARECO remote control for controlling and data inquiry with a host PC
- CW-ReAct II for external article (product setup) management
- further options on enquiry

### Metal detector

- stainless steel housing
- ICF technology allows short conveyor dimensions
- optimum detection sensitivity for the most different articles
- Auto-Balance-Control for continuous automatic adaptation to ever-changing environmental conditions
- automatic "self-teaching" sensitivity (compensation of the "product effect")
- metal detector with 1 frequency range, or metal detector with 2 fixed frequency ranges for optimum metal detection in "difficult" products. Typical values for dry products in non-aluminium metal-lised packaging material:
  - Ferrous metal (Fe)  $\varnothing \geq 0.8$  mm
  - Non-ferrous metal (NFe)  $\varnothing \geq 1.4$  mm
  - Stainless steel (S/S)  $\varnothing \geq 2.0$  mm



Schematic XS3 CC H – typical dimensions in mm (A-A, B-B vary depending on the conveyor size)

### Weighing terminal

- touch screen colour display, TFT 15", resolution 1024 x 768 pixel (XVGA)
- operator-friendly: TachoControl, operator prompts (menus), user profiles
- indication of all current important weighing and production data as well as configuration screens
- 200 article memory locations

### Technical details, checkweigher

Roller centres, weighing conveyor (A-A)	250 to 600 mm
Roller centres, outfeed conveyor (A-A)	from 500 mm
Weighing range *	0 to 6000 g
Accuracy ** (3 Sigma)	from $\pm 0.1$ g
Line height TH	765 to 1100 mm ( $\pm 30$ mm)
Standard rejecting device	2 pushers
Electrical ratings	115/ 230 V (A.C.), single-phase, 50 / 60 Hz, 1 kVA

\* depending on the design and dimensions of the weighing belt used

\*\* depending on the throughput, weight, dimensions and transport behaviour of the product being weighed

### Metal detector with 1 frequency range

25+100/100+300/25+300 kHz	B	C	D	E	F	G	H	I
Pass width of metal detector (mm)	250	250	250	250	350	350	350	350
Pass height of metal detector (mm)	100	150	200	250	125	150	200	250
Usable height (mm)	60	110	160	210	85	110	160	210
Roller centres, infeed conveyor (A-A) (mm)	600	600	600	600	600	600	600	600
Belt width (B-B) (mm)	200	200	200	200	300	300	300	300

### Metal detector with 2 fixed frequency ranges

25+100/100+300/25+300 kHz	A	B	C	D	E	F	G	H	I	J	K	L
Pass width of metal detector (mm)	200	250	250	250	250	350	350	350	350	450	450	450
Pass height of metal detector (mm)	350	100	150	200	250	125	150	200	250	150	200	250
Usable height (mm)	310	60	110	160	210	85	110	160	210	90	160	190
Roller centres, infeed conveyor (A-A) (mm)***	800	800	800	800	800	800	800	800	800	800	800	800
Belt width (mm)	150	200	200	200	200	300	300	300	300	400	400	400

\*\*\* shorter distance between axles (infeed conveyor) on enquiry only

**nefton**  
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