Checkweighers

XS2 MV

Pharmaceutical serialisation integration

Maximum uptime

Finely tuned, highly reliable system components including transfer belts, ink jet print or laser mark system and verification camera ensure an optimum production flow, perfect printing quality and increased line efficiency.

Higher productivity

Precise mechanical product transfers and reliable product sorting guarantee process reliability and a high production volume, maximising overall equipment effectiveness.

Expertise

– in pharmaceutical checkweighing: a wide range of options especially designed for the pharmaceutical industry, factory acceptance tests, validation supporting documentations and our world-wide service network ensure that producer requirements will be perfectly met.

Maximum product safety

Optimum printing of unique series of digits, data matrix codes or barcodes gives Track & Trace capabilities to meet current and future legal requirements.

Trust GARVENS to show you the way to checkweighing, marking, verification and precision product handling

A high quality solution integrating all processes in one compact system designed and engineered by GARVENS: the XS2 MV checkweigher combines accurate weighing, laser marking or ink jet printing and vision verification to ensure global traceability and assist fraud protection. The product codes printed on to the collapsible boxes are verified for accuracy and legibility and serve as a key for legally required quality certificates. The weighing section for products up to 300 g ensures highest weighing accuracy at maximum throughput, allowing production lines to be streamlined for higher productivity.

METTLER TOLEDO

Technical data
XS2 MV
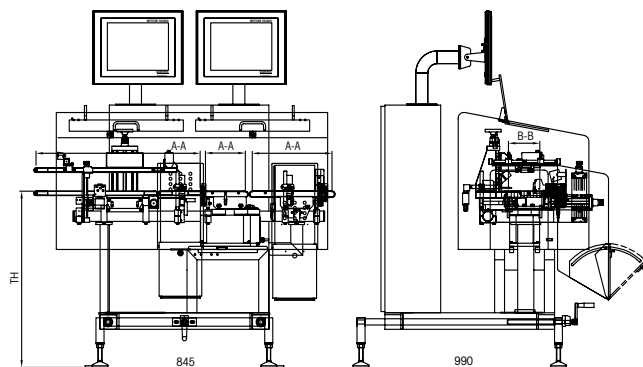## – the compact combination system for counterfeit protection and checkweighing

The XS2 MV checkweigher can be easily integrated into new production lines or added to upgrade existing lines, providing a full range of functions and user-friendliness while simultaneously reducing the complexity of your packaging process.

The collapsible boxes are transferred (e. g. directly from the cartoner) by means of a transfer unit. Thanks to the wide range of setting options, the system can be adjusted to different box dimensions in a matter of seconds. An ink jet or laser marking system prints unique data such as batch codes, expiry dates and 2D datamatrix codes or barcodes in a very high quality on the side of the collapsible box. The camera system verifies the printed data and saves this in an internal database. A dynamic weighing section ensures highest weighing accuracy and ensures completeness of all products being weighed. Illegible or poor quality products are removed reliably and accurately. The highly adjustable components, the user-friendly interface for product changeover and, in case of ink jet printing, the rapid print cartridge replacement all ensure that set-up times are kept to a minimum, ensuring maximum availability.
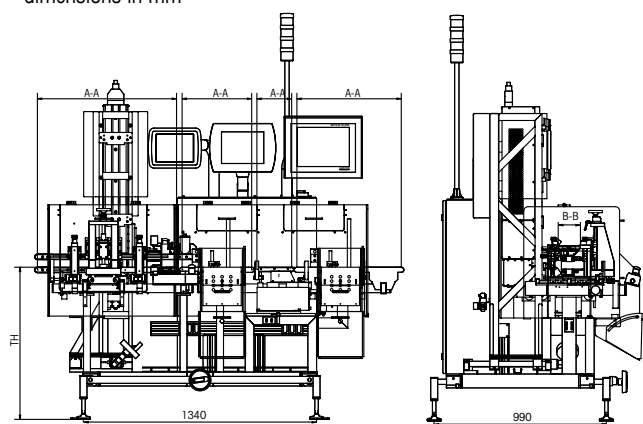
All systems components have been designed to work in perfect harmony to minimise all factors which could negatively influence the weighing accuracy or printing quality. The XS2 MV checkweigher with its very precise mechanical product handling units and extremely reliable marking, verification and sorting devices has been designed to process high production volumes to ensure that it has no negative effect on your operating equipment effectiveness and overall line efficiency.

Characteristics
- "Weights and Measures" design-approved
- Ink jet printer or laser marker (at your choice) in the infeed area – for clear, sharp printing of human-readable characters, serial numbers and barcodes or data matrix codes in compliance with international printing standards
- Ink jet only: Click & Print technology for rapid cartridge replacement, maintenance-free and non-wearing
- High-resolution camera system for recording the printed data (OCR / OCV) and fulfilling the GS1 barcode standard
- Real-time data acquisition
- 21 CFR Part 11 function, extended user management, audit trail and access protection by password and user profiles
- Mechanical transfer unit with bottom belt and vertically adjustable top belt for precise and reliable product transfer
- Continuous regulation of the conveyor speed
- Extremely fast sorting/rejecting using a high-performance air jet
- Polycarbonate catch bins, optimised for pharmaceutical products, lockable
- Adjustable height (± 30 mm) for optimum line integration
- Weight classification in up to 7 zones
- Various user-selectable program languages
- Indication of all current important weighing and production data as well as configuration screens
- Uninterruptible power supply system for vision control system
- 115/230 VAC, 50/60 Hz, single-phase, ≥ 500 VA

Dimension diagram XS2 MV (variant with ink jet printer) – typical dimensions in mm

Dimension diagram XS2 MV (variant with laser marker) – typical dimensions in mm

Options and accessories
- Laser marking or ink jet printing system on customer request
- Various camera types
- Statistics programs for evaluation
- Various monitoring facilities (e. g. detection of product backup, successive errors detection)
- Countercheck in the "good products' path", rejection countercheck
- Askew packages detection and/or open flap detection in the infeed area to protect downstream equipment
- Transversal adjustment facility for quick line alignment
- LogIn-Server / Domain LogIn-Server
- FAT / SAT / validation support

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

** depending on the weight, dimensions and transport behaviour of the product to be weighed

Technical details	XS2 MV
Weighing range*	within the range 0 to 300 g, specific to product weight
Accuracy**	from ± 0.3 g at 3 sigma
Throughput (pieces / minute)**	max. 400 at 90 metres/min
Roller centres (A-A), weighing conveyor	200 mm
Belt width (B-B), weighing conveyor	150, 200 mm
Roller centres (A-A), outfeed conveyor	400, 600, 800 mm
Belt width (B-B), outfeed conveyor	150, 200 mm
Standard sorting/rejecting device	2 air jets
Weighcell	electro-magnetic force restoration principle (EMFR)
Line height (TH)	750 - 950 mm ± 30 mm (other heights on enquiry)

Θεοδώρου

ΚΩΔΙΚΟΠΟΙΗΣΗ · ΙΧΝΗΛΑΣΙΜΟΤΗΤΑ · ΔΙΑΧΕΙΡΙΣΗ ΠΑΡΑΓΩΓΗΣ

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