

StarWeigh™ XS

Laboratory accuracies at production throughput



Increasing line efficiency

Large 15" colour touch screen for excellent visibility and easy operation, reducing operator errors and increasing productivity. Dashboard style configuration presents all pertinent information at a glance.



Flawless, traceable transport

Product infeed is "butt to butt" – no product spacing devices required. Total control of the product flow at any point in time using a precise clocking motion, optimum for pharmaceutical applications.



Highest precision

The starwheel, core of the StarWeigh™ XS, ensures highest weighing accuracy by releasing the products after each feed step prior to weighing. Weighing is then a highly accurate, static weighing process.



Integrated rejector lever

"Bad" products are reliably pushed off the line by the integrated rejector lever – no additional rejecting device needed.



"No tools" starwheel changeout

Automatic raise/lower controls and removal for fast product changeover.



StarWeigh™ XS – for light weight, unusual shaped packages

The StarWeigh™ XS rotary stepper checkweigher has proven to be the absolute best solution for checkweighing of a wide range of package sizes. High value products typically require 100% inspection and the StarWeigh™ XS is the perfect solution for highly accurate checkweighing of round, oval, and even rectangular shaped packages.

StarWeigh™ XS delivers milligram accuracy at a throughput up to 400 weighings/minute. Simple to install and requiring no line cuts, the StarWeigh™ XS can integrate packaging lines by simply straddling the existing conveyor.

Technical data

StarWeigh™ XS

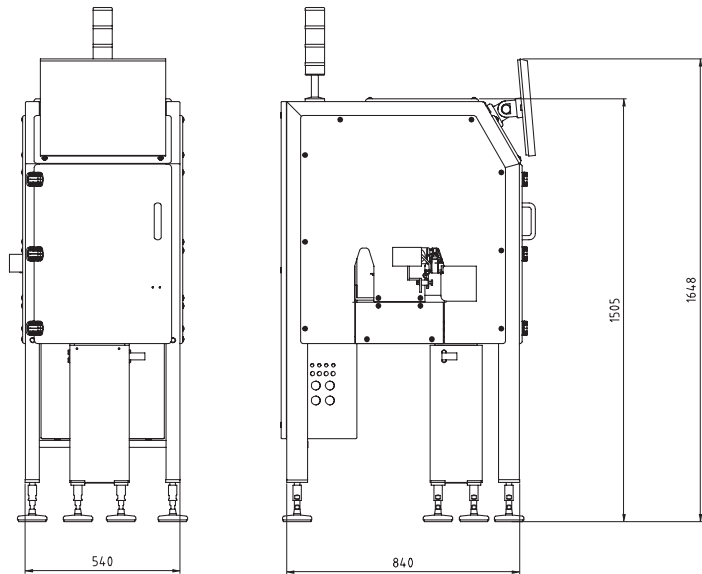
– precise accuracy for various shapes

StarWeigh™ XS is a unique checkweigher consisting of a main frame made from stainless steel and an innovative, highly precise weighing system. A notable feature of the StarWeigh™ XS is that it does not utilize conveyors, but rather is designed to straddle the existing conveyor in the packaging line. In rare instances will a customer have to modify their existing conveyor line to accommodate a StarWeigh™ XS.

The StarWeigh™ XS checkweigher operates on an intermittent weighing cycle with a rotary product flow, ideal for products with a small footprint.

The StarWeigh™ XS achieves accuracies as high as 5 mg at the maximum rate for a given product. The flexible product handling design reduces the time and effort required for a product change to an absolute minimum. The intermittent rotary cycle ensures safe product handling. Product reject is integrated in the cycle.

The starwheel incorporates a calibration or re-zero pocket which eliminates any weigh drift problems. Various starwheels (for different products) can be included in the configuration settings making starwheel changeover quick and easy.



Schematic StarWeigh™ XS – typical dimensions in mm – other dimensions possible depending on order specifications

StarWeigh™ XS characteristics

- Automatically times and spaces packages – no external timing conveyors or devices required
- Compact footprint requires minimal production floor space
- Straddles existing conveyors and requires no line cuts
- Complete control of product transfers for highly accurate weighings at high throughput
- "No tools" changeover of starwheels to accommodate various product shapes
- Rotary solenoid lever arm reject mechanism
- Multiple language support for on-screen dialogue

Operating terminal XS

- 15" diagonal color touch screen user interface
- Bright, high contrast 1024 x 768 pixel resolution color display
- Embedded Windows™XP operating system
- Various user-selectable screen dialogue languages
- Simple and intuitive touch screen menus
- Configurable multi-level coded security system
- 200 product set-ups
- 3 weight zone classification
- RS232 serial interface
- One touch full screen weight display

Options and accessories

- 7 weight zone classification
- Network interface to METTLER TOLEDO FreeWeigh.Net SQC system
- RS232, 422, 485 and 20 mA CL serial interface
- Ethernet capability
- Various production monitoring, line integration and product safety monitoring and reporting
- Feedback control program for automatic adjustment of filling machines
- Statistics program for evaluation
- Various monitoring devices (e.g. backup detection)
- Calculation of the gliding mean value
- Mean value trend monitoring
- PrintStick or printer
- Further special options and accessories on enquiry

Technical data	StarWeigh™ XS
Weighing range, specific to article weight	250 mg to 2000 g
Accuracy* (3 Sigma)	from ± 5 mg
Throughput (weighings/minute)	max. 400
Line height	810 – 1067 mm ± 25 mm
Standard sorting/rejecting device	Rotary solenoid lever arm
Power	110/230 V AC, 50/60 Hz, single phase, approx. 500 VA

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

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