

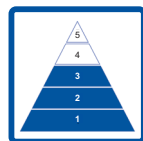
CW-150

CHECKWEIGHER FOR CAPSULES & TABLETS

PHARMA **TECHNOLOGY** 



WEIGHT



≤ OEB3

New and innovative in-line solution designed to ensure the quality of each individual tablet or capsule weight for up to OEB3 level products.

The **CW-150** measure individual weight from each single tablet or capsule up to a speed of 150.000 objects per hour and rejects all non-compliant products.

The ideal tool for in-line Quality Inspection and RTD (Real Time Decision). It can also be used off-line for batch recovery inspection.

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3D MICROWAVE RESONATOR FOR WEIGHT MEASUREMENT

Each product is inspected by the **3D microwave resonator** allowing to measure individual weight to the precision of **+/- 1mg (3 sigma)**.

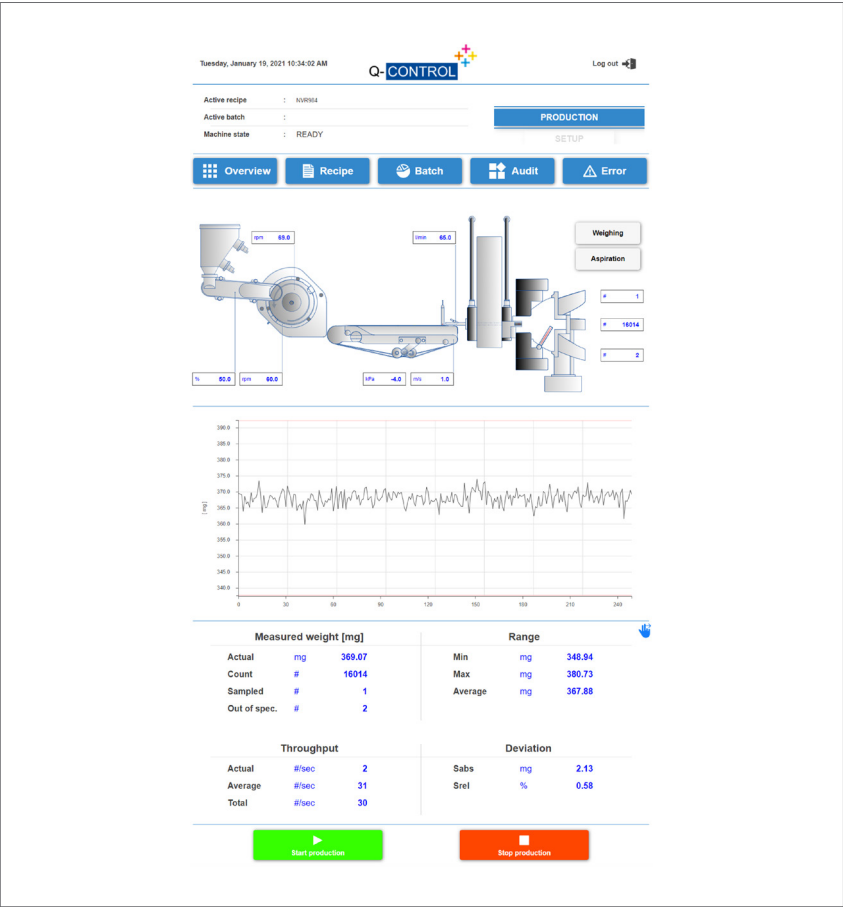
Various extensive repeatability tests campaigns and industrial case studies have shown that the measurements are within the predicted errors boundaries.

This equipment is geared to provide you this precise weight and to remove 100% of non-compliant products from good products, allowing RTD (Real Time Decision).

The **CW-150** use simple calibration protocol for calibrating & validating the 3D microwave resonator based on a multiple linear regression principle. Samples are sent to a very accurate weigh cell located in a closed stable chambre to serve as reference method for the indirect weight predictions.

This isolated chambre can also be equipped with a specially **highly precise 4-P tester** to test physical attributes of your products based on conventional sampling methods (weight, thickness, hardness, and length/diameter).

3D Microwave resonator



The unit has been developed with an utmost care to the mechanical design allowing fast and unexpansive format changes.

Data are processed and analysed by hi-speed processors and stored in a userfriendly “step by step” **CFR21 acquisition software**.

Data can easily be exported to an USB memory device, or to an up-stream machine or software through OPC UA (e.g. connection to a upstream or downstream process equipment). An utmost care has been taken to simplify the equipment to allow use in a production environment.

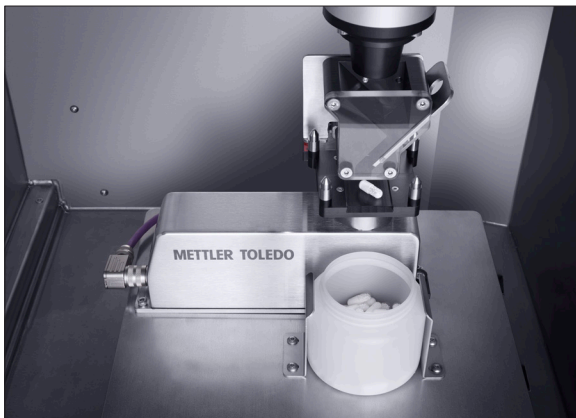
Designed to comply with the European Union’s CE Guidelines, they are supplied with a manual, safety instructions and wiring diagram.

100% CAPSULES WEIGHING



Automatic calibration

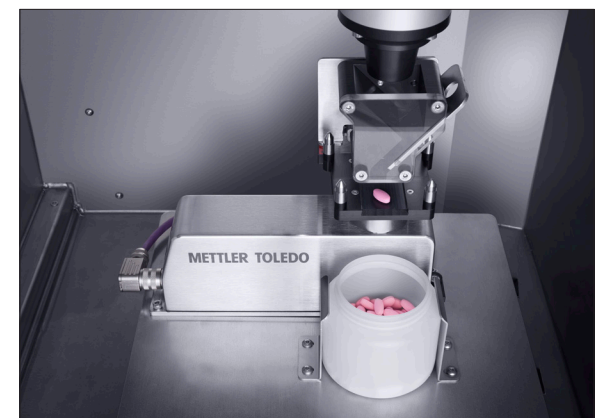
- 100% weight control of tablets & capsules
- Upgradable to 100% Content Uniformity Weight + %APIs
- Help you in process control and optimization
- Ideal for batch recovery
- Up to 150.000 objects/H
- Single line system - less maintenance & calibration time
- Easy to clean & validate
- Easy & fast change-over
- High precision weight cell embedded for automated calibration
- 4-P tester (weight, thickness, hardness, and length/diameter)



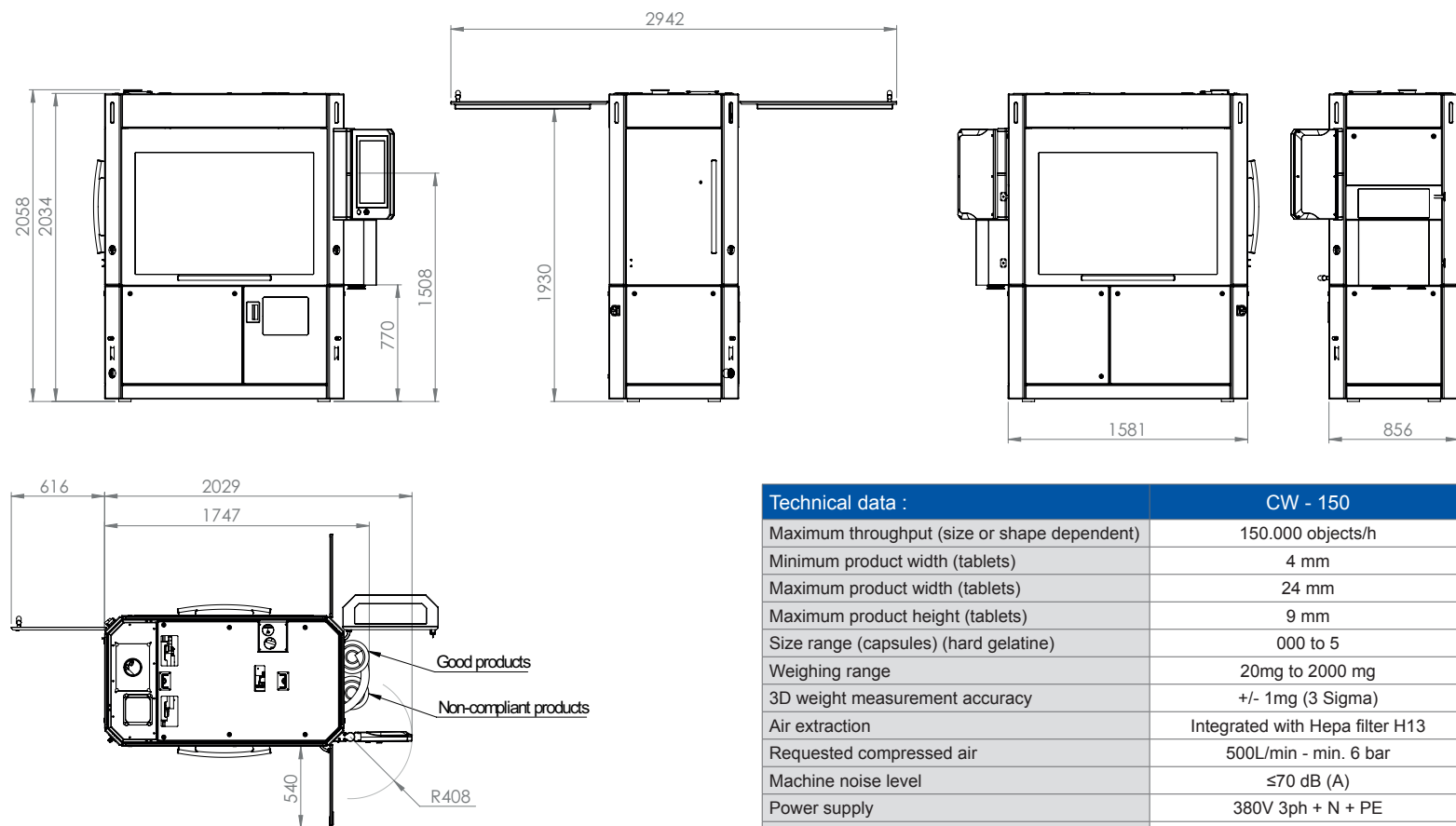
100% TABLETS WEIGHING



Automatic calibration



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Technical data :	CW - 150
Maximum throughput (size or shape dependent)	150.000 objects/h
Minimum product width (tablets)	4 mm
Maximum product width (tablets)	24 mm
Maximum product height (tablets)	9 mm
Size range (capsules) (hard gelatine)	000 to 5
Weighing range	20mg to 2000 mg
3D weight measurement accuracy	+/- 1mg (3 Sigma)
Air extraction	Integrated with Hepa filter H13
Requested compressed air	500L/min - min. 6 bar
Machine noise level	≤70 dB (A)
Power supply	380V 3ph + N + PE
Frequency	50 Hz / 60 Hz
Polymer contact parts	FDA approved

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