WT 50



The WT50 is a very fast and robust weight tester for online integration with your tablet press inside the compression room. Precise and reliable weighing with short cycle times.

Online Weight Tester

WT50 — Compact. Fast. Precise.

sotax.com/WT50

- Automated weighing of tablets & capsules
- Short cycle times
- Robust & Precise
- Small footprint
- Online with your tablet press



Universal high-speed separator for reliable feeding of all shapes and sizes

Sliding damper at inlet to close off the test area during weight measuring

Vibration-resistant integration of high-precision weighing module

High visibility and very easy cleaning of entire test area

User-guided calibration routines with printed report

Programmable cleaning intervals for weighing platform during test execution

Automated process to determine minimum weight (e.g. according to USP <41>)

Real-time data transfer to tablet press for automatic self-adjustment

Designed to be integrated.

Integrate the WT50 with your tablet press or capsule filling machine for online weight checking. Modular components allow to configure the tester for specific connection requirements and different sampling possibilities.

Inlet



Standardized.

The WT50 can be configured with different inlet types to connect the tester with the outlet of your tablet press for automated sampling.

Sliding damper



Encapsuled.

A sliding damper closes during tests to prevent negative air pressure of the connected tablet press affecting weight measurements.

Brake cyclone

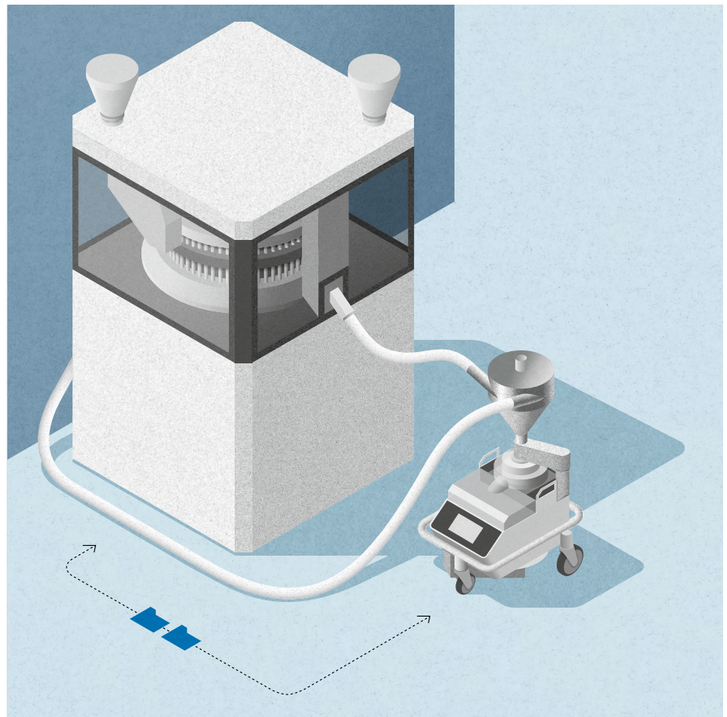


Avoid broken pieces.

The brake cyclone gently slows down samples arriving at high speed when using a venturi system for sample transfer from one or two press outlets.

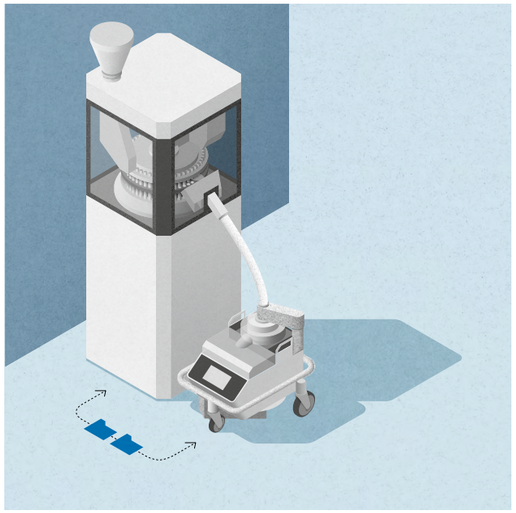
How do you want to transfer your samples?

Connect your WT50 with either single or double-sided tablet presses. Samples are automatically transferred from one or two press outlets using gravity feeding or venturi-based air transport.



Double-sided.

For alternating sampling from two press outlets, the WT50 is typically operated with venturi system and brake cyclone – allowing to use only one tester for double-sided operation.

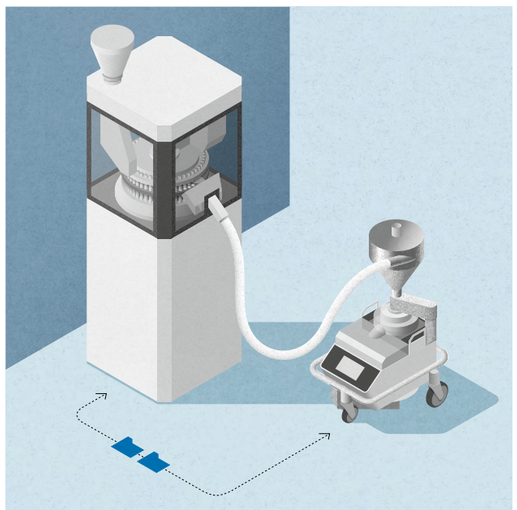


Gravity Feeding.

The low inlet heigh of the WT50 and its small footprint allow positioning the tester directly at the press sampling gate. Diverted samples simply drop into the tester.

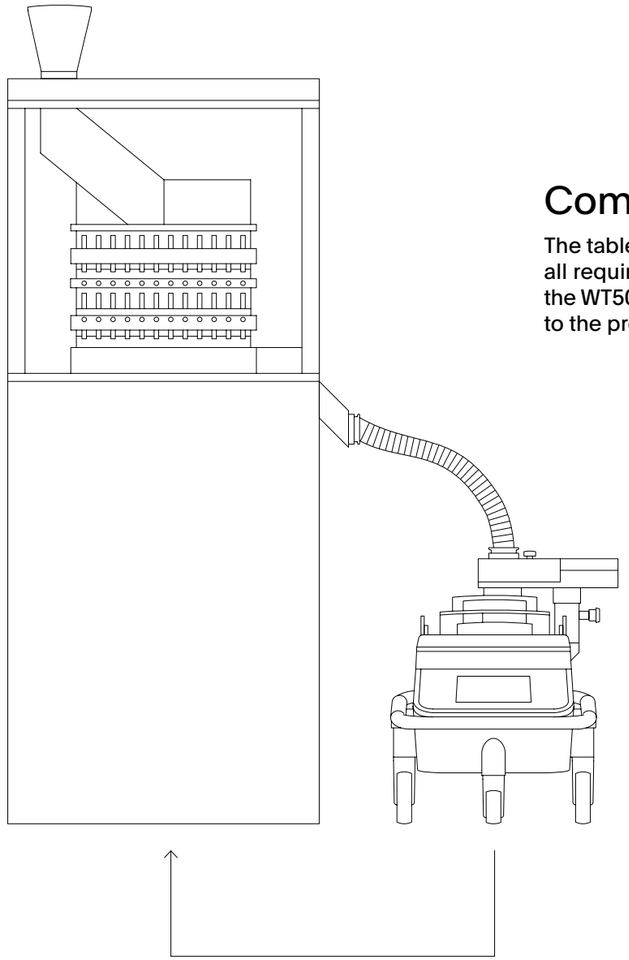
Venturi Feeding.

Diverted samples are blown to the connected tester using compressed air – allowing to position the WT50 at greater distances. A brake cyclone gently decelerates arriving samples.



Online. Real-time. Self-Adjustment.

Tests are automatically performed at regular intervals without any operator present in the compression room. Weight measurements are transferred in real-time. Based on measured results, the tablet press self-adjusts compression parameters if needed.



Communication.

The tablet press initiates test runs by sending all required information to start a test to the WT50. Measured results are transferred back to the press for further processing.



Weighing.

The vibration-resistant integration of a high-precision weighing module ensures fast & accurate measurements in the demanding environment of a compression room.

Reliable Results.

The elevated design of the weighing platform with integrated cleaning function prevents erroneous measurements caused by tablet debris or broken pieces.





Sample Collection.

Collect samples at regular time intervals for future reference or for further testing in the lab. Different collection modes for double-sided presses and bulk collection are readily available.

Minimum Weight.

The WT50 features an automated procedure to determine the minimum weight at the place of installation (e.g., according to USP <41>). Printed reports document that proper procedure has been followed.

WT50 Technical Specifications

Weight (Mass)	Integrated weighing module	Mettler Toledo*
	Measurement units	mg / g
	Resolution	0.1 mg
	Measuring range	up to 60 g
	Repeatability (typical)	0.2 mg*
	Linearity deviation (typically)	0.4 mg*
Mains supply		100 – 240 V / 50 – 60 Hz / 1.6 AT
Noise emission		< 70 dB (A)
CE Conformity	The WT50 fully complies with the CE and EMC equipment directives for mechanical and electrical safety and electromagnetic compatibility.	

Configuration	Brake cyclone	○
	Sliding damper	○
	Sample collector, with 8 collecting containers	○
Control	Tablet press[1)]	●
Protection class	(against dust and water)	IP52
Weight	(without packaging)	60 kg (132.3 lbs)
Dimensions	Width	450 mm (17.72 inch)
	Depth	725 mm (28.55 inch)
	Height	534 mm (21.03 inch)

[1)] Different communication protocols available for various tablet press models

* Weight repeatability, linearity deviation: Under perfect laboratory conditions. The actual accuracy depends on the environmental influences at the place of use. The user of the system is responsible for operating the device in a suitable environment. More details can be found in the document: BN20095EN AT50 Accurate Weighing

● included / required
○ optional

Technical specifications are subject to change without prior notice. Products illustrated in this brochure may include options or modifications not fitted as standard. No liability for errors and omissions.

MB20041EN_04

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