



A true Allrounder

# MultiCheck 6

The new standard for fully automated  
tablet combination testing



**ERWEKA**

# New technologies for a quiet allrounder

The new MultiCheck 6 offers ease of operation, maximum efficiency and enhanced operator convenience. This fully automatic combination tester is packed with innovative technology: An intuitive touch display, the integrated functionality of the MC.NET software, the capsule weight measurement system and the patented Oblong Navigator® are only some of the innovative new features. In addition, the new MultiCheck 6 provides an unsurpassed low noise level and cleanest operation in its class.

Proven features have been retained: MultiCheck 6 can test up to five tablet parameters - fully automated and 100% compliant with all pharmacopoeias around the world: A true allrounder.

## Weight

- Weight is determined automatically by means of an integrated high-precision balance.

## Thickness

- Thickness is measured with the help of a linear potentiometer.

## Diameter/Length

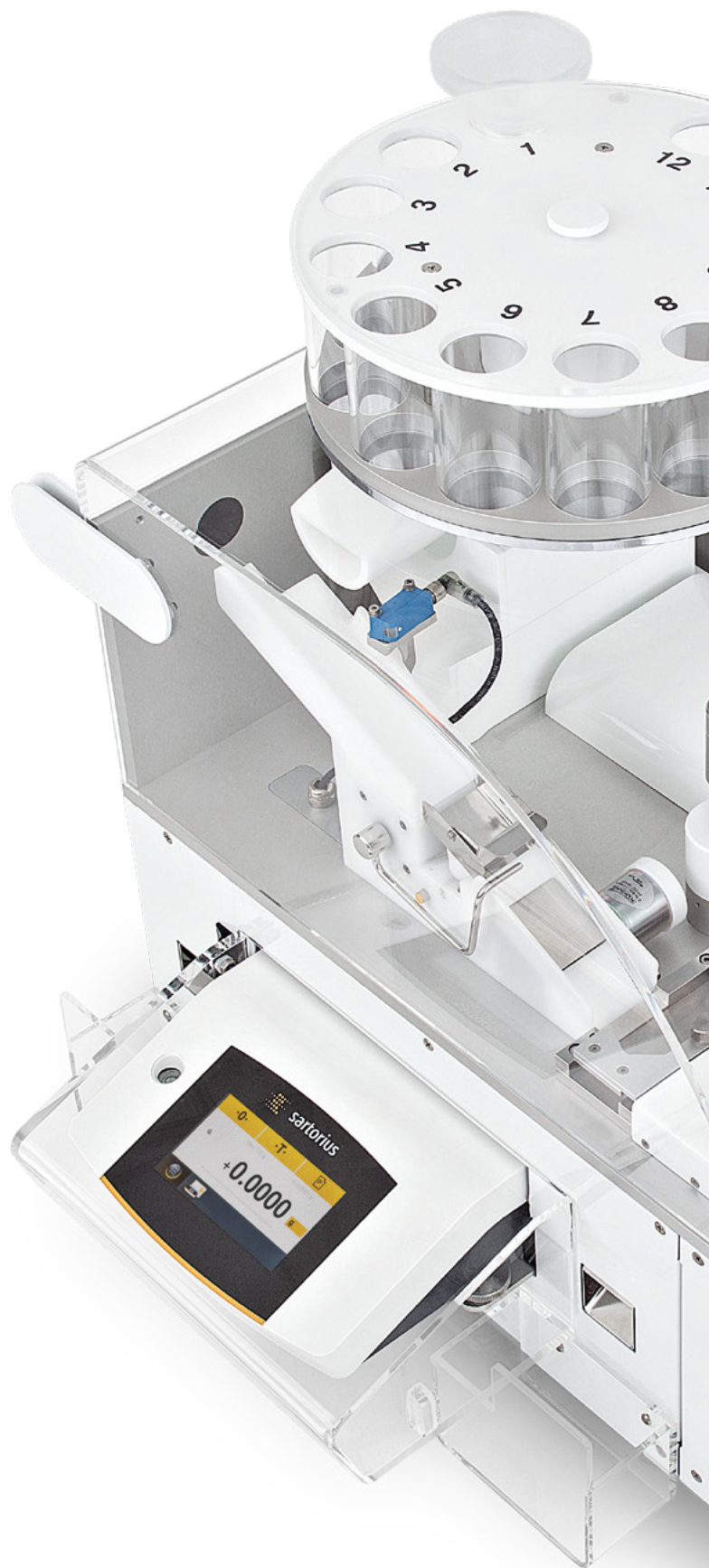
- Diameter/Length is measured by means of a stepping motor.

## Width

- The Oblong Navigator® measures the width of even and odd-shaped oblongs as well as other odd-shaped tablets

## Hardness testing

- Hardness can be measured using either the „Constant Force“ or the „Constant Speed“ measuring principle.





## Capsule weight measurement

With its capsule weight measurement system MultiCheck 6 is able to determine capsule weight and automatically deduct the weight of the empty capsule from the weight of filled capsules. Direct ejection immediately after weight measurement speeds up the measuring process.

## Oblong Navigator®

This patented turntable technology enables odd-shaped tablets to be aligned correctly and easily checked for diameter, width and length.

## Electrical alignment threshold

The alignment threshold ensures that tablets are correctly positioned and prevents tablets from being transported in an awkward position, for example on-edge.

## Touch display

An intuitive touch display allows for easy operation of the unit.

## Direct measurement

Via the direct measurement menu, tests can be started quickly with results immediately stored.

## Convenient operation – Broad feature set



With support for  
USB keyboards!

### MultiCheck 6 touch display

In the development of the MultiCheck 6 touch display we focused on the features which users find most important: Easy setup, start and documentation of test methods. The highly intuitive touch display enables the units complex functions to be operated and controlled with maximum ease of operation. Measurements can be launched and displayed quickly and easily. For convenient data input (e.g. in order to create new products) the unit now also offers support for USB keyboards – which significantly facilitates data management directly from the device itself.

### Storage of test results!

By default, the unit stores 100 products/methods and has a product memory that can hold up to 1 million test results – enabling results from earlier tests to be re-called whenever required. In addition, extensive integrated calibration functions and the Audit Trail Light feature (logging What, Who, When) ensures that you have access to precise test results and extensive documentation of all working steps - highest user convenience combined with powerful functionality.

#### Benefits

- Clearly structured home screen with direct access to measurements
- Direct display of test results on the screen
- Quick execution of measurements with direct measurement menu
- Detailed documentation of tests and display of calibrations and performed calibrations
- Extensive calibration and adjustment capabilities
- Red-yellow-green display for immediate recognition of the need for calibration
- Easy integration of MultiCheck 6 into an existing network via Ethernet connection (RJ45)
- Memory for up to 100 products / methods and 1 million test results
- 7 inch touch display
- USB A printer interface
- Data export in CSV and XML format
- Audit Trail Light (Data export)

## Feature overview

### Measurement functions

- Fully automatic testing of tablets for up to 5 parameters
- 100% USP/EP/JP compliant
- Constant Force und Constant Speed method selectable
- Measurement in Newton, Strong Cobb, Kilopond and lbf units
- Values adjustable in mm, inch, mg or g

### Features

- Touch display
- Integrated data memory for re-calling the data of previously tested samples
- Separation drum, with photocell for verification of tablet separation
- Fixed or adjustable alignment threshold
- Integrated capsule weight measurement
- Oblong Navigator® – patented turntable technology for perfect alignment of oblongs
- Linear transport of the tablet to the individual test stations enables the permanent visual inspection of the testing procedure
- Automatic cleaning of transport path and test jaws
- Ethernet port for integration into existing networks
- LAN, USB A, USB B and SD-Card slot
- Memory for up to 100 products / methods
- Data transfer by LAN in CSV file format
- Backup using USB & SD-Card
- Optional MC.NET Software: Audit trail according to FDA 21 CFR Part 11

### Features exclusive to MC.NET

- Hardness curve



The new Oblong Navigator® with patented turntable ensures correct tablet alignment even in case of odd-shaped oblongs and tablets.



High-grade thickness measuring system for precise measurement.

# Customer-oriented – Flexible configuration

## Our configuration variants

MultiCheck 6 is offered in two configuration variants: „Standard“ and as „Allrounder“ with Oblong Navigator®. The two variants are fully focused on our customers' requirements.

MultiCheck 6 „Standard“ enables testing of round tablets. The MultiCheck 6 „Allrounder“ is designed for testing round tablets, dragées and evenly shaped oblongs and tablets. These features are further extended with the ability to perform measurements

on odd-shaped oblongs and tablets as well as the fifth parameter width measurement.

We will be pleased to consult you as to which of these variants is best suited for your laboratory.

	MultiCheck 6 Standard	MultiCheck 6 Allrounder
<b>Main application</b>	Round tablets, dragées, evenly shaped oblongs	Round tablets, dragées, evenly shaped oblongs, odd-shaped oblongs
<b>Measurement values</b>	<b>4 parameters</b> Weight, thickness, diameter, hardness	<b>5 parameters</b> Weight, thickness, diameter, width, hardness
Touch display	✓	✓
Separation drum / Vibrating separation system	✓	✓
Capsule measurement	✓	✓
Alignment threshold (fixed)	—	—
Alignment threshold (electronic, adjustable)	✓	✓
Slot for oblongs	✓	not required
Positioning arm for oblongs	✓	✓
Oblong Navigator®	—	✓

## Customizable to suit your requirements

In addition to the three equipment variants your MultiCheck 6 can be customized to your specific requirements. Please contact your local ERWEKA dealer for advice.

Furthermore, our extensive range of services is at your disposal for installation, calibration and qualification of your system. Contact ERWEKA to arrange for a service visit at your site!

### Options

- 12-chamber magazine for testing of large batches
- Extended hardness measurement range of up to 1000 N
- MC.NET software
- PC with MC.NET software
- Printer
- AutoCal 2.0 system for automatic calibration of the hardness tester without weights
- Dragée holder („Allrounder“ versions only)
- Sartorius OCE weighing system, suitable for trade weighing certification)
- Customized data export

### Our service portfolio

- Installation of MC.NET software on customers' PC
- Initial setup of MultiCheck 6
- Qualification documents (IQ/OQ/PV)
- ERWEKA on-site IQ/OQ/PV service
- Maintenance service

## Technical data

Measurement range: Hardness	3 - 500 N ( $\pm 1$ N)
Measurement range: Diameter	2 - 23 mm ( $\pm 0.05$ mm)
Measurement range: Length	2 - 28 mm ( $\pm 0.05$ mm)
Measurement range: Thickness	2 - 10 mm ( $\pm 0.05$ mm)
Measurement range: Weight	20,0 mg - 120 g ( $\pm 0.0001$ g)
Measurement range: Width	2 - 15 mm ( $\pm 0.05$ mm)
Measurement principle: constant speed	0,05 - 3,0 mm/sec
Measurement principle: constant force	10 - 100 N/sec
Power	100 - 240 V / 50-60 hz
Width/Depth/Hight	627/643/613 mm
Weight	50 kg
Compliance MC.NET	21 CFR Part 11 compliant



Direct measurement menu for quick-starting tests.



## Contact

Are you curious and want to find out more?  
Head over to our website and download our product brochures,  
watch videos of our equipment in action or find the ERWEKA  
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