

A true All-rounder

# MultiCheck 6

The new standard for fully automated tablet combination testing



# ERWEKA

# New technologies for a quiet All-rounder

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 all-rounder.



## 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

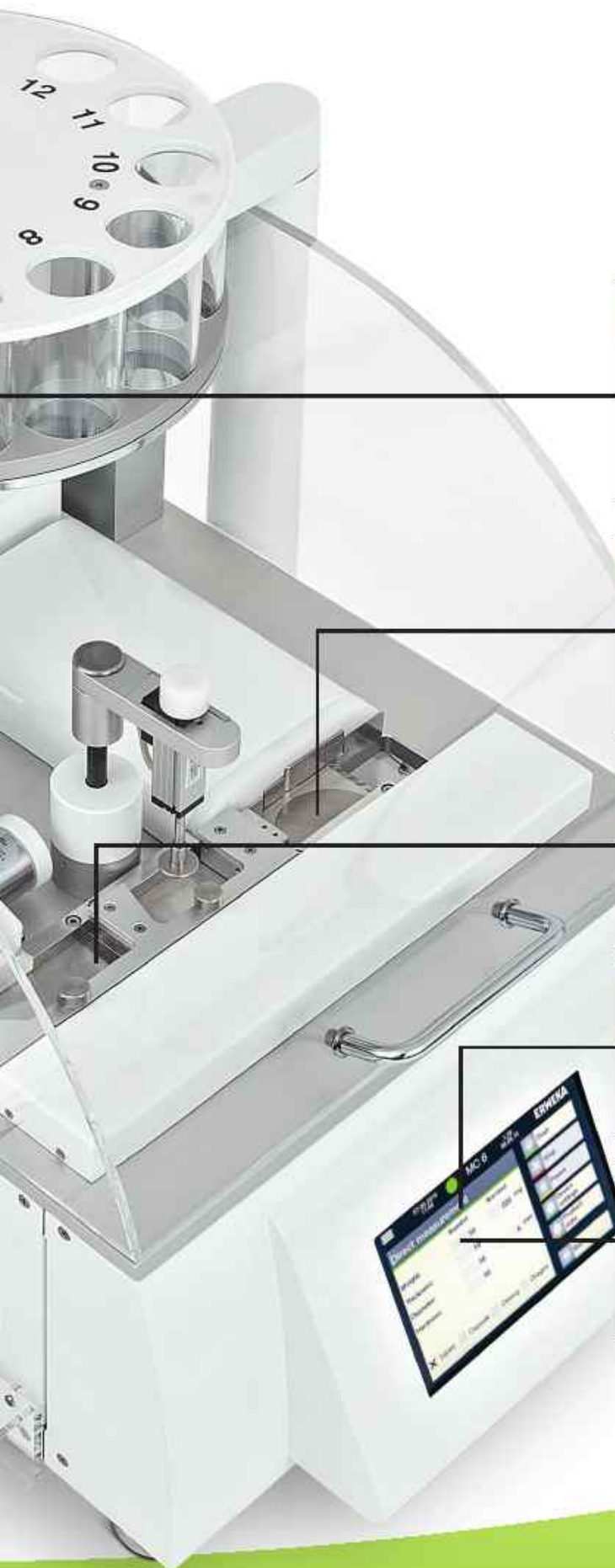
- The Oblong Navigator® measures the width of even and odd-shaped oblongs as well as other odd-shaped tablets.



## Hardness testing

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





### Capsule weight measurement

NEW!

With its new empty 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®

NEW!

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.

### Touchdisplay

NEW!

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

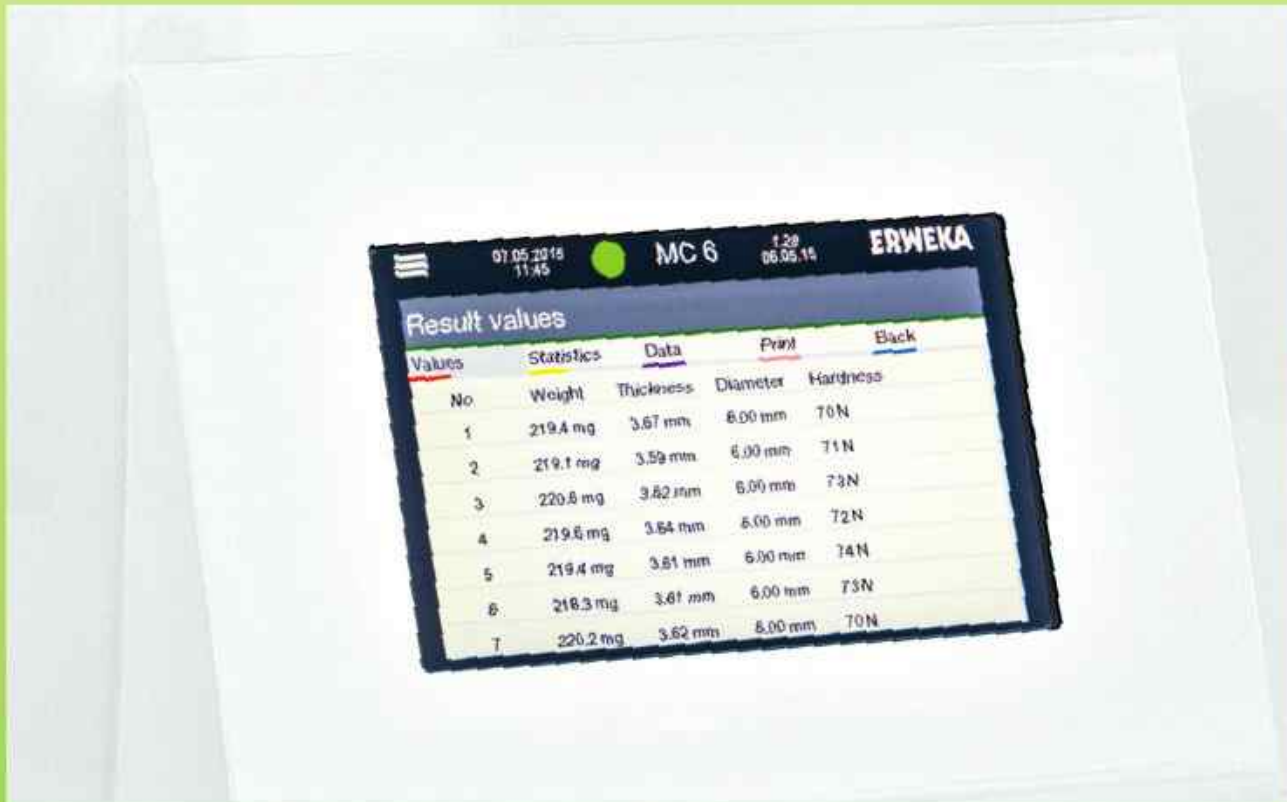
### Direct measurement

NEW!

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



# Convenient operation – broad feature set



## The new MultiCheck 6 touch display

During the development of the MultiCheck 6 touch display we focused on the features which users will find most useful: Easy and fast creation of methods; launching of tests and documentation of test results. The intuitive touch display enables easy operation of offered functions. Thanks to the integrated MC.net software functions, measurements can be launched and results displayed directly on the unit.

MultiCheck 6 can store up to 100 products / methods and 1 million test results, which can be displayed and exported at any time, ensuring that no test results are lost. Comprehensive integrated calibration functions guarantee accurate results and document each calibration process. Maximum convenience combined with an extensive feature set.

### 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 due and calibrations performed
- 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

## 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 fileformat
- Backup using USB & SD-Card
- Optional MC.net Software: audit trail according to FDA 21 CFR Part 11



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 three configuration variants: Basic, Standard and as All-rounder with Oblong Navigator®. All three variants are fully focused on our customers' requirements.

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

MultiCheck 6 „Basic“ enables testing of round tablets. MultiCheck 6 „Standard“ is designed for testing round tablets, dragées and evenly shaped oblongs and tablets. The MultiCheck 6 „All-rounder“ extends these features with the ability to perform measurements on odd-shaped oblongs and tablets as well as the fifth parameter width measurement.

	Basic	Standard	All-rounder
Main application	Round tablets	Round tablets, dragées, evenly shaped oblongs	Round tablets, dragées, evenly shaped oblongs, odd-shaped oblongs
Measurement values	4 Values Weight, thickness, diameter, hardness	4 Values Weight, thickness, diameter, hardness	5 Values Weight, thickness, diameter, width, hardness
Touch display	✓	✓	✓
Separation drum	✓	✓	✓
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.

### 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 hardness tester without weights
- + Dragée holder („Standard“ & „Allrounder“ versions only)
- + Sartorius OCE weighing system, suitable for trade weighing certification)
- + Customized data export

### Our service portfolio

- + Installation of MC.net software on customer's 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)
Diameter/Length	2 - 28 mm ( $\pm 0.05$ mm)
Thickness	0.10 - 10 mm ( $\pm 0.05$ mm)
Weight	20.0 mg - 100 mg ( $\pm 0.1$ mg)
Width	2 - 28 mm ( $\pm 0.05$ mm)

### Measurement Principles

Constant Speed	0.05 - 3.00 mm/sec
Constant Force	10 - 200 N/sec

### Appliance details

Power	100 - 240 V / 50-60 Hz
Width/depth/height	643 / 627 / 613 mm
Weight	50 kg
Compliance	21 CFR Part 11 compliant
MC.net-Software	



Direct measurement menu for quick starting tests.



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