

REINHELDT

# REINHELDT GMBH

## Tablet Hardness Testing Series

### RHT 500

#### *Technical Profile:*

**Tagline:** Balancing Regulatory Compliance with Operational Ease

**Manufacturer:** Reinheldt GmbH



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## 1. System Overview & Key Capabilities

The **Series** is a robust tablet testing system designed for IPQC cubicles and isolator environments. It combines a stainless steel (cGMP compliant) chassis with advanced automation to test up to **five parameters**: Weight, Thickness, Diameter/Length, Width, and Hardness.

### Core Features

- **Display Interface:** Equipped with a 7-inch full-color capacitive touch screen for intuitive navigation.
- **Testing Methodology:** Utilizes a constant speed measuring principle or constant force (selectable).
- **Throughput:** Capable of handling up to **200 samples per test**.
- **Safety:** Includes a protective safety shield to prevent operators from inhaling dust generated by fracturing tablets.
- **Housing:** Stainless Steel (S.S.) body designed to meet cGMP regulations; IP 41 equivalent rating.
- **Mechanics:** Features an easily replaceable jaw with a grooved design for stability.
- **Smart Alerts:**
  - Visual indicators for T1, T2, and plausibility limits.
  - Audio-visual status alerts for Run, Error, and Communication states.
  - "D'light" status indication technology.



## Data & Security

- **Capacity:** Stores 1,000 products, 50,000 test reports, and profiles for 250 users.
- **Access Control:** Multi-level security system supporting up to **10 configurable user roles**.
- **Calibration:** Programmable modes for calibration and verification with automated reminders.
- **Printing:** User-selectable templates for customized data reporting.



## 2. Validation & Accessories

### RBT/RHT Validation Kit

For routine calibration and accuracy verification.

### Tablet Organizer Tray

Designed to streamline sample handling.

- **Capacity:** Holds up to 24 tablets.
- **\*\* Versatility: \*\*** Accommodates Oblong (20x13x8mm) and Round (13x8mm) shapes.
- **Function:** Prevents accidental spilling or mixing of tablet posit

## 3. Model Configurations Matrix

(H=Hardness, W=Weight, Th=Thickness, L=Length, D=Diameter, Wi=Width)

Model	Hardness	Weight	Thickness	L / D	Width	Ext. Thickness	Inbuilt Printer
2P	✓	✓					
3P	✓	✓	✓				
3P(E)	✓	✓	✓			✓	
5P	✓	✓	✓	✓	✓		
5P(E)	✓	✓	✓	✓	✓	✓	
2P(T)	✓	✓					✓
3P(T)	✓	✓	✓				✓
3P(ET)	✓	✓	✓			✓	✓
5P(T)	✓	✓	✓	✓	✓		✓
5P(ET)	✓	✓	✓	✓	✓	✓	✓

## 4. Technical Specifications

Parameter	Specification Details
Tablet Compatibility	Supports all shapes
Test Parameters	Hardness, Weight, Thickness, Diameter/Length, Width
Display	7" Capacitive Touch Display
Measurement Principle	Constant Speed (1 to 5.0 mm/sec) or Constant Force
Hardness Range	0 - 800 N
Repeatability	±1 N
Units	N, SC, KP, Programmable user-defined factor
Calibration	Static with reference weights
Diameter / Width Range	2-35mm (Optional 65mm)
Tolerance (Dim)	50 microns
Thickness Range	Up to 15 mm
Tolerance (Thk)	50 microns
Balance Connectivity	Supports Mettler, Sartorius, Contech, Ohaus
Weighing Unit	mg / gm
Batch Size	Up to 200 samples (configurable)
Report Storage	50,000 Reports
Connectivity	LAN, Wi-Fi, 80 Col / 40 Col Printers
Data Export	FTP / SMB / USB / Share Folder (PDF Format)
Power Supply	220/230 VAC, 50/60 Hz

## 5. Software Licensing & Modules

### A. Storage Capacities per License

Feature	Basic	Network	Adv. Reporting	CFR	OPC
Users	50	50	250	250	250
Roles	10	10	10	10	10
Audit Trails	-	-	-	200,000	200,000
Report History	1 (Last)	1 (Last)	50,000	50,000	50,000
Products	20	20	1,000	1,000	1,000
Methods	20	20	1,000	1,000	1,000
Logbook	-	-	200,000	200,000	200,000

### B. Module Availability

Module	Basic	Network	Adv. Rep	CFR	OPC	DM
Basic Security	✓	✓	✓	✓	✓	
Serial Printing	✓	✓	✓	✓	✓	
D'light / Buzzer	✓	✓	✓	✓	✓	
M2M Data		✓	✓	✓	✓	
LAN Features		✓	✓	✓	✓	
Adv. Security			✓	✓	✓	
Logbook			✓	✓	✓	
Audit Trail				✓	✓	
Backup/Restore				✓	✓	
LIMS Transfer					✓	
Disaster Recovery						✓