

TABLET HARDNESS TESTER - 5 PARAMETERS



Tablet Hardness Tester - 5 Parameters - ToronEHT™ (New Generation)

Tablet Hardness Testers – 5 Parameter – Toron EHT™ are next generation of tablet hardness tester that build compact, precision tablet hardness testers designed for Pharmaceutical Quality Control and pharmaceutical manufacturing environments where fast, repeatable hardness measurement is required.

Using a constant-speed measuring principle, these systems accurately evaluate tablet crushing strength while supporting high-throughput in-process and laboratory testing with intuitive touchscreen operation and cGMP-compliant construction. The Toron EHT™ (New Generation) is an essential tool designed to enhance your quality control process, offering simultaneous and highly accurate measurement of both hardness and thickness.

Core to its performance is a high-precision electronic load-cell and a constant speed measuring principle, which guarantee reliable and consistent results for every test. Its intuitive 7-inch touch screen interface streamlines operation and data management, whether you are conducting routine batch testing or detailed R&D analysis.

Built for high-throughput environments, the Toron EHT™ (New Generation) can handle up to 200 samples per test. It provides operational flexibility through Auto and Manual modes, along with comprehensive reporting capabilities vital for compliance and validation efforts.



APPLICATIONS

Tablet Hardness Tester - 5 Parameters - ToronEHT™ (New Generation)

Applications

- Pharmaceutical Manufacturing: Measures tablet hardness and thickness for consistent mechanical strength, uniformity, and durability.
- Quality Control Laboratories: Verifies tablet crushing strength following USP, Ph. Eur., and other compendial requirements.
- Research and Development (R&D): Evaluates mechanical properties for new tablet formulations, excipient combinations, and compression parameters.
- In-Process and Batch Verification: Supports efficient in-process testing and batch verification for production release decisions.
- Compliance and Documentation Support: Generates reliable data for calibration, method verification, and audit documentation.
- Academic and Training Laboratories: Provides dependable hardness testing for pharmaceutical analysis education and training.

FEATURES

Tablet Hardness Tester - 5 Parameters - ToronEHT™ (New Generation)

Key Features

- Constant-speed measurement principle ensures highly repeatable tablet hardness results
- Measures tablet hardness with consistent force application across different tablet shapes

- 7-inch full-color intuitive touchscreen simplifies operation for new and experienced users
- Supports up to 200 tablets per test for efficient Pharmaceutical Quality Control workflows
- Multi-level security with programmable user roles supports data integrity and compliance
- Stainless steel body construction designed to meet cGMP pharmaceutical standards
- Auto and manual test modes with programmable delay time for flexible operation
- Visual and audio alerts for tolerance limits, plausibility checks, and instrument status



Precision tablet loading for accurate and repeatable hardness testing



Easily replaceable jaw

TECHNICAL SPECIFICATIONS

Tablet Hardness Tester - 5 Parameters - ToronEHT™ (New Generation) **Technical Specification**

Model	ToronEHT™
Measurement Parameters	Tablet Hardness
Measuring Principle	Constant speed (1–5.0 mm/sec) and Constant Force
Hardness Range	0–800 N
Repeatability	±1 N
Hardness Units	N, SC, KP, programmable user-defined factor
Hardness Calibration	Static with reference weights
Display	7" capacitive color touchscreen
Diameter / Width	2-35mm/optional 65mm
Diameter / Width Tolerance	50 microns
Weighing balance connectivity	Mettler, Sartorius, Contech, Ohaus balances supported
Weighing unit	mg/gm
Tablet Shape Support	All tablet shapes
Samples per Test	Up to 200 tablets
Jaw Design	Grooved jaw for stable tablet positioning
Operating Modes	Auto or Manual
Data Storage Capacity	Up to 50,000 reports
User Management	Multi-level security (up to 10 roles)
Printer connectivity	LAN, Wi-Fi, 80 C, 40 C
Data Export	PDF via USB / network options
Construction	Stainless steel, cGMP-compliant

Model	ToronEHT™
Voltage	220/230 VAC, 50/60 Hz
IP Rating	IP41 equivalent



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

