



DENTAL MATERIALS THICKNESS TESTER

Dental Materials Thickness Tester – Model ToronMed™ DMTT01 is a precision instrument designed for the measurement of thickness in dental materials, ensuring compliance with international quality and performance standards. Using the mechanical contacting method and equipped with Mitutoyo high-precision sensors from Japan, this tester guarantees repeatable, reliable, and highly accurate thickness measurements.

It is widely used in dental product manufacturing, research laboratories, and regulatory testing facilities, providing accurate data for quality control, material development, and compliance verification.

Standards

The Dental Materials Thickness Tester – Model ToronMed™ DMTT01 is designed in compliance with international dental material testing standards, which specify methods for determining the thickness and dimensional stability of dental restorative and prosthetic materials. These standards ensure that results are accurate, repeatable, and suitable for regulatory compliance in global markets.

The Dental Materials Thickness Tester – Model ToronMed™ DMTT01 provides dental manufacturers, laboratories, and regulators with a reliable, high-precision solution for material thickness measurement, ensuring products meet global standards of safety, accuracy, and performance.

APPLICATIONS

The Dental Materials Thickness Tester – Model ToronMed™ DMTT01 is suitable for evaluating the thickness of:

- Dental restorative materials
- Prosthetic materials
- Ceramic and composite dental samples
- Research samples and production quality control specimens
- Its precise measurement capabilities make it invaluable for both routine QC checks and advanced research applications.



FEATURES

- Standard-Compliant Contact Area and Load – Designed in accordance with international test methods; customizable for non-standard applications.
- Mitutoyo High-Precision Sensors – Ensures superior repeatability and reliability in measurements.
- Automatic Measuring Head Lifting – Reduces manual error and enhances consistency.
- 10.1-inch HD Touch Screen – Real-time display of test data, including maximum, minimum, average, and analytical results.
- Built-in Micro Printer – Provides immediate output of historical and real-time data.
- RS232 PC Connectivity – Facilitates data transfer and integration with laboratory systems.
- Calibration with Standard Tools – Compatible with industry-standard calibration tools for inspection and validation.
- Flexible Test Ranges – Supports customized configurations for different dental material thickness testing needs.

TECHNICAL SPECIFICATIONS

Specification	Dental Materials Thickness Tester - Model ToronMed™ DMTT01
Vertical Load	150 ±2 N (smooth application without rotation)
Sensor Accuracy	0.1 µm
Stage Size	400 × 400 × 20 mm
Time Range	0-9999.99 s
Time Accuracy	0.1 s
Glass Plate Contact Area	(200 ±25) mm² (square or round)
Square Glass Plate Size	15 mm

Specification	Dental Materials Thickness Tester - Model ToronMed™ DMTT01
Glass Thickness	5 mm
Pins	4 pcs
Pin Height	7.5 mm (1.5× single glass plate thickness)
Gas Supply Pressure	0.4–0.7 MPa (external supply required)
Net Weight	60 kg
Standard Configuration	Instrument, 10.1-inch touch screen, micro-printer, vertical loading weights, glass plates, and pins.



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

