

# TRU-BLUE II

CLOSED-LOOP | ALL SCALE

**MEETS ASTM E 18 AND ISO 6508**  
requirements

Manufactured by United Testing Systems  
Fullerton, CA 92831 | [www.unitedtesting.com](http://www.unitedtesting.com)

Made in the USA



  
**UNITED** TESTING  
SYSTEMS  


## TRU-BLUE II SPECIFICATIONS

Vertical Capacities: 10 in. (25.4 cm), 14 in. (35.6 cm),  
18 in. (45.7 cm).

Throat Depth: 5.5" (14 cm). Optional 9.5" (24cm).

- Regular Scales: A, B, C, D, E, F, G, H, K, L, M, P, R, S, and V. Forces: 10kg., 60 Kg., 100 Kg., and 150 Kg.
- Superficial Scales: 15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X, 15Y, 30Y. and 45Y. Forces: 3kg., 15 Kg., 30 Kg., and 45 Kg.
- 4 ASTM E-18 dwell time settings plus NIST SRM timing.
- Plastics dwell time settings in accordance with ASTM D-785.
- Computer Controlled digital closed-loop technology. Forces measured via inline load cell.
- 4x20 Bright Vacuum Fluorescent Display.
- Front panel controls with Piezo-Electric switches.
- Statistical Summary including Average, Range, Standard Deviation, High, Low and Number of Tests.
- Auto correction of hardness values for cylindrical parts.
- Built-in ASTM E-140 Conversion Charts and ASTM A-370 Tensile Strength Values (steel material only).
- Parts IN/OUT of Tolerance Settings with Adjustable Audible Alert.
- Languages: English, Spanish, French, German, Italian and Portugese.
- Connection for pc keyboard used to input parts ID data.
- RS-232 Interface and Parallel Printer ports (Dot Matrix).
- Bi-directional application of testing via elevating unit or control panel.
- Auto self diagnostic test.
- Removable parts clamp used to secure irregularly shaped or oversize parts. Illustration at top right of page!
- 20 bit analog to digital converters for force and depth measurements.
- Co-Axial mounting of Force and Depth transducers.
- Logical setup and operating menu from front panel keys.
- Elevating unit dust cover.
- Manual, indenter installation tool and power cord.
- Factory Certificate for Direct Verification of Load, Depth, Hysteresis and Dwell Timing included.
- Factory Certificate for Indirect Verification is available but customer must provide United with 1" or larger flat anvil and indenters for each specified scales.
- Manual, Indenter installation tool and Power cord.
- 2 Year Factory Warranty.
- CE Certified.

Power required:100-240 VAC 50/60 Hz, Single Phase. 1 Amp.

**Hardness testing accessories sold separate.**

MODEL	L X D X W IN. (CM)	WEIGHT LB. (KG)
TBII-H10-D5.5	33x20x8 (84x51x20)	185 (83.9)
TBII-H14-D5.5	38x20x8 (97x51x20)	195 (87.7)
TBII-H18-D5.5	42x20x8 (107x51x20)	205 (92.3)

## Standard Accessory



### Clamping Device

Removable clamping device supports  
oversize or odd shaped parts!

## Accessories



**United Testing Systems**  
1375 S Acacia, Suite A  
Fullerton, CA 92831

**PHONE** (714) 638 2322, (800) 765 9997  
**WEB** [www.unitedtesting.com](http://www.unitedtesting.com)  
**MAIL** [sales@unitedtesting.com](mailto:sales@unitedtesting.com)