

# STB

**AND**  
A&D Company, Limited

STB Series  
Single Column Materials  
Testing Machine

# TENSILON



## TENSILON STB Tabletop Testing Machine

# STB TENSILON



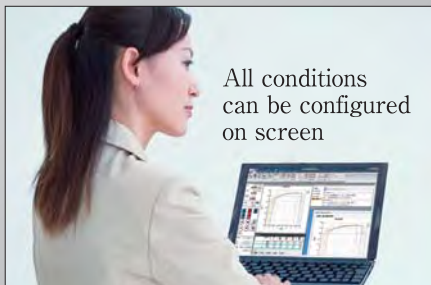
## STB-1225S

Tabletop design  
Maximum capacity : 2.5kN  
Effective test width : 550mm

## Operate from PC

### TACT

Can be controlled easily from a standard computer using the TACT data processing system



All conditions can be configured on screen

## Easy Operation



### Touch Panel

Color screen with greatly improved visibility and operability



### Controller

Designed for superior ease of operation with operation buttons and a jog dial



### Display

Detachable digital display for load and displacement (1/1000 display)

## High Precision

### 0.2msec

State of the art 0.2 msec high speed sampling (when TACT data processing software is used)

### Top Grade

Top grade high level precision in its class

### 128<sub>Times</sub> 11ch

Fully automatic range switching up to a maximum 128 times

Up to 11 channels of input signals

# The STB Series Tabletop Testing Machine offers both high precision and space-saving efficiency

A&D's Multi-Purpose Testing Machine, TENSILON, has become a byword for quality testing machines as it is now found in the laboratories of many corporations and research institutes.

The STB Series of tension and compression testing machines, with single column construction, are the compact entry models of the TENSILON range.

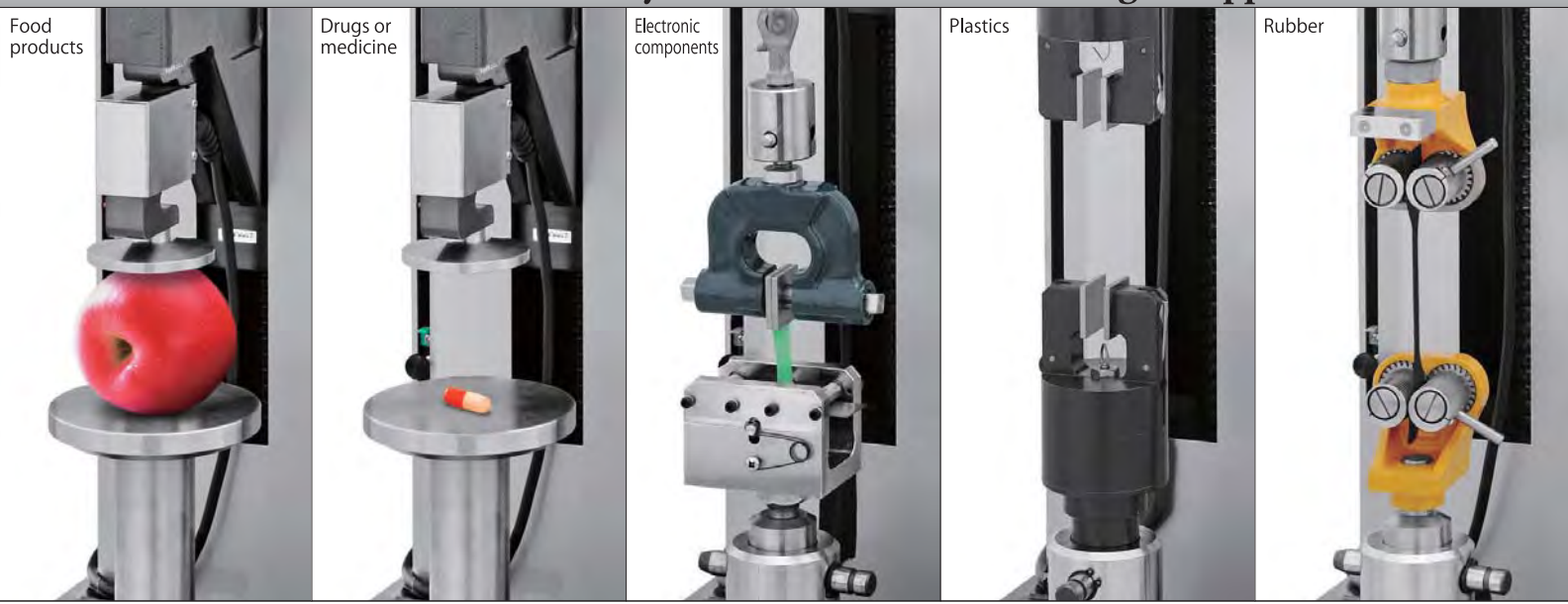
While achieving revolutionary space-saving and low cost, the STB Series realizes ultrafast calculation and maintains the high precision commensurate with the TENSILON name. What's more, it has an environmentally friendly energy-saving design\*

The data processing system uses TACT for operation from a standard computer and a color touch panel screen for a superior user interface. By significantly improving visibility and usability, the STB Series offers user friendly measurement, which is simple to use even for the first time.

The compact and high precision TENSILON STB Series is capable of evaluating both the performance and physical properties of a multitude of items, including food products, drugs and medicine, electronic components and miniature parts, with an optimum table top design which allows easy access for the user.

\*Low power consumption (30% lower than similar A&D products)

## The STB Series can handle a variety of materials with a wide range of apparatuses (options)



# TACT Data processing system

## TENSILON ADVANCED CONTROLLER FOR TESTING

Configure settings simply by using the performance optimized TACT data processing system on a computer. Operating status can be confirmed at any time allowing for user friendly measurements, even when being used for the first time.

**World-class high speed sampling of 0.2 msec**

**Simple configuration using setup wizard/ribbon control**

**Settings for analysis results from graph images**

**Multiple channels for external signal input/calculation**

**Help balloons**



TACT measurement screen

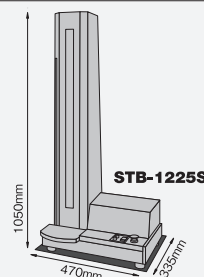
Model	STB-1225L	STB-1225S
Maximum capacity	2.5kN	
Effective stroke*1	850mm	550mm
Crosshead speed*2	0.05~1000mm/min	
Crosshead speed accuracy*3	±0.5%	
Crosshead random speed	0.01mm/min steps in crosshead speed range	
Crosshead return speed	1000mm/min or 500mm/min	
Crosshead location display	6-digit digital display (Resolution: 0.001mm at less than 10mm; 0.01mm at greater than 10mm)	
Load measurement accuracy	Instrument reading ±1% (within load cell rating range of 1/1 - 1/500)	
Load range	Fully automatic range switching (up to 128 folds)	
Load calibration	One touch load calibration with the calibration circuit embedded in the load cell. Equipped with a load cell rating identification function	
Safety function for overload	Provided	
Fracture detection mechanism	Provided	
Stroke limiter	Upper/lower limit 2 points	

\*1: When load cell and jaw in basic configuration \*2: Speed sequence is 1, 2, 3, 5  
\*3: Value at time of steady operation

Model	STB-1225L	STB-1225S
Size (W x D x H)	470×335×1450 (mm)	470×335×1050 (mm)
Weight	56kg	43kg
Power supply	AC100V 1φ 50/60Hz	
Power consumption	350VA	
Ambient temperature and humidity	Temperature: 5 - 40°C, humidity: 20 - 80%RH	

#### Installation space

Can be installed close to user  
Simple and convenient to use  
Space-saving testing machine



Options
Pulse extensometer input
AR-6600 recorder connection output
X-Y recorder connection output
Analog 6-channel input
Air jaw controller
Programming console for touch panel, multiple channel application
Analog extensometer input
Contact-type extensometer

## TENSILON LINE-UP

As a trusted name in testing machines, TENSILON is the first choice for many corporations and research institutes.

World-class measurement and control

**RTF-2430**  
**RTF-2425**  
**RTF-2410**  
**RTF-2350**  
**RTF-2325**

Floor model  
Maximum capacity : 300kN - 25kN  
Effective test width : 590mm



Model with best total balance

**RTF-1350**  
**RTF-1325**

Tabletop design  
Maximum capacity : 50kN - 25kN  
Effective test width : 590mm



Compact operation

**RTF-1310, RTF-1250**  
**RTF-1225, RTF-1210**

Tabletop design  
Maximum capacity : 10kN - 1kN  
Effective test width : 420mm



\*Windows 7 Professional and Windows 8/8.1 Professional are registered trademarks of Microsoft Corporation.



**For safety purposes!**

● Read the relevant instruction manuals carefully before use.

# AND

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...Clearly a Better Value

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● Appearance and/or specifications subject to change for improvement without notice.  
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