

# MT150 Series Mechanical Tester (150 lbf, 660 N)

**Specification Sheet**  
SS-FM-3125-0904  
September 2004

The MT150 Series mechanical test stand is an easy-to-use solution for force measurement applications up to 150 lbf (660N) capacities. The test stand may be equipped with a quick-action lever or precision handwheel for controlling crosshead speed and travel. The MT150 test stand can be bench mounted, wall mounted or positioned horizontally. Vertical clearances are available from 750mm (29.5 inch) up to 1500mm (60 inch). Standard stroke is 6 inches (150 mm), although longer strokes can be accommodated as a special order.

The MT150 Series features an innovative design that maximizes working space and simplifies operation and maintenance. The single column design with 150mm (6 in) throat is ideal for large specimens. The removable platen is designed to accommodate metric and imperial threaded fixtures. Special gauge adapters make gauge alignment automatic. Options include a digital travel indicator, capable of displaying travel up to 0.01mm (0.0005 inch) and column ruler which is graduated in millimeters and inches. The MT150 Series includes hook, compression plate, adapters and gauge mounting hardware.

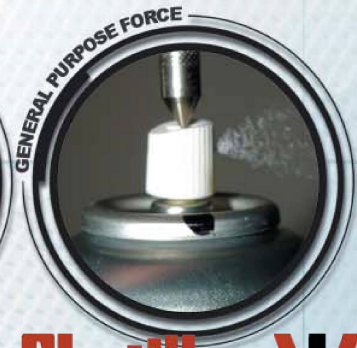
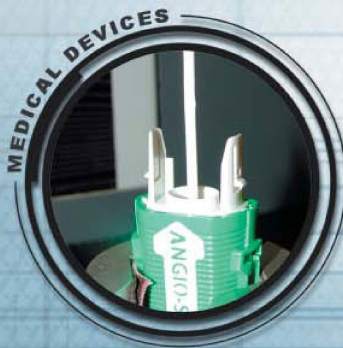
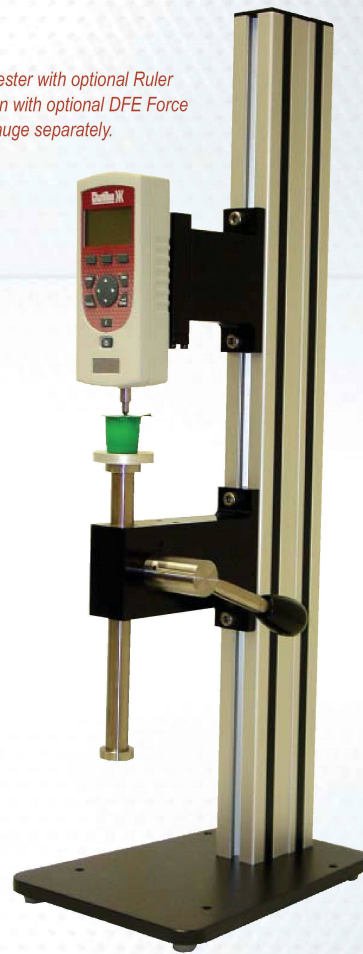
## Features

- ❑ Large Working Area
  - 150mm (6 in) Throat for Large Specimens
  - Universal Fixturing (Metric or Imperial)
  - 150mm (6 in) Full Crosshead Travel
- ❑ Modular Design
  - Bench, Horizontal or Wall Mounted
  - Lever or Handwheel Operation
  - Multiple Travel Lengths
- ❑ 2 Year Warranty

## Specifications

|                        |  |
|------------------------|--|
| <b>Capacity:</b>       | 150 lbf (660 N)                        |
| <b>Loading Method:</b> | Quick-Action Lever or Handwheel        |
| <b>Travel Rates:</b>   |  |
| Lever                  | 75mm (3 in) per Revolution             |
| Handwheel              | 12mm (0.5 in) per Revolution           |
| <b>Column Height:</b>  |  |
| Standard               | 750mm (29.5 inch)                      |
| Extended               | 1000mm (39.4 inch)                     |
| Ultra                  | 1500mm (59 inch)                       |
| <b>Maximum Stroke:</b> | 150mm (6 in) *Longer Strokes available |
| <b>Weight:</b>         | Approx. 20 lbs (9 kg)                  |

*MT150L  
Lever Actuated Tester with optional Ruler  
Assembly. Shown with optional DFE Force  
Gauge. Order gauge separately.*



**You Get More with Your CHATILLON Gauge.**



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# Ordering

## Order No. Description

MT150L CHATILLON MT Series Mechanical Tester, Lever Actuated  
 MT150H CHATILLON MT Series Mechanical Tester, Handwheel Actuated

### Column Height - 7th Character

S Standard, 750 mm (29.5 in)  
 E Extended, 1000mm (39.4 in)  
 U Ultra, 1500 mm (60 in)

### Force Gauge Mounting Kit - 8th Character

1 LG, DF, DFSG, DFA Series Force Gauges  
 2 DPPH, DFIS Series Force Gauges  
 3 DFM Series Force Gauge  
 4 DFT Series Force Gauge  
 X Not Required

### Mounting Style - 9th Character

B Bench, Vertical Mounting  
 H Bench, Horizontal and Wall Mounting

### Options - 10th Character

1 Digital Travel Indicator  
 2 Ruler Assembly (Imperial/Metric Graduations)  
 X Not Required

MT150L S 1 B 1  
 (MT150LS5B1)

### Sample Order Number

CHATILLON MT150 Series (150 lbf, 660N), standard 750mm (29.5 in) travel with LG Series mounting kit. Vertical bench mounting style with lever actuator. Optional digital travel indicator supplied.

## Standard Accessories

| Order No.    | Description                  |
|--------------|------------------------------|
| NC002660     | User's Manual                |
| NC000714     | Hex Key, 6mm                 |
| SPK-FMG-012B | Hook, Stationary             |
| 17012        | Platen, 3-inch diameter      |
| NC002686     | Set Screw, 5/16-18 x 1 inch  |
| P-10020      | Adapter, 5/16-18 to #10-32   |
| 13048        | Coupling, 1/4-28 to 5/16-18  |
| ADT/0115     | Eye End Adapter, 5/8-inch    |
| 3157         | Set Screw, #10-32 x 3/4-inch |

## Optional Accessories

| Order No.        | Description  |
|------------------|--|
| SPK-MT-Digital   | Digital Travel Indicator (May be ordered as part of stand) |
| SPK-MT-Ruler     | Ruler Assembly (May be ordered as part of stand)           |
| SPK-MT-0001      | Gauge Mounting Kit, LG, DF, DFSG, DFA Force Gauges         |
| SPK-MT-0002      | Gauge Mounting Kit, DPPH, DFIS Force Gauges                |
| SPK-MT-0003      | Gauge Mounting Kit, DFM Force Gauge                        |
| SPK-MT-0004      | Gauge Mounting Kit, DFT Force Gauge                        |
| SPK-MT-0005      | Gauge Mounting Kit, DG Force Gauge                         |
| SPK-MT-REMOTE    | Gauge Mounting Kit, REMOTE Series Loadcells                |
| SPK-MT-Wall-Horz | Wall/Horizontal Mounting Kit Assembly                      |
| SPK-MT-L150      | Lever Actuator Assembly Module                             |
| SPK-MT-H150      | Handwheel Actuator Assembly Module                         |

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## TEST AND CALIBRATION INSTRUMENTS

For the authorized Chatillon Distributor or Manufacturer's Representative near you, go to [www.algen.com](http://www.algen.com)

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 Manufacturer