

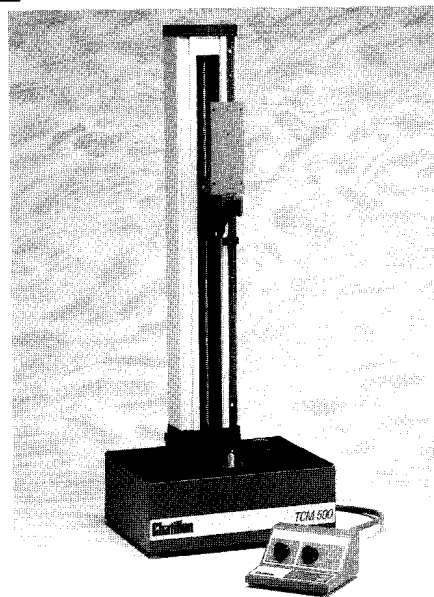
500 LB CAPACITY MOTORIZED TEST STANDS

MODEL TCM500 AND DIGITAL MODEL TCD500 TEST STANDS OFFER SPEED AND PRECISION IN FORCE MEASUREMENT APPLICATIONS

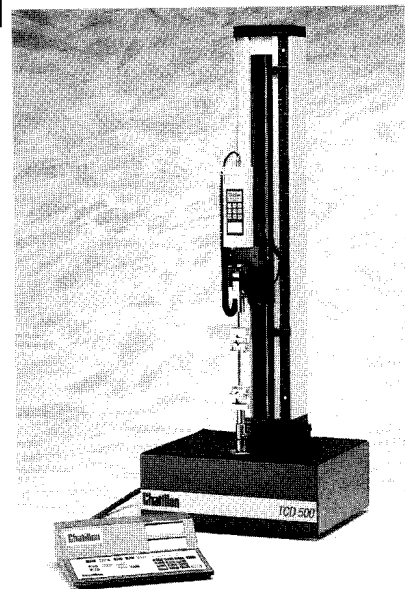
When equipped with Chatillon force gauges, these motorized test stands are precise enough for the lab yet rugged enough for the production line. Both models feature all-metal construction, ball screw drive and dual support columns for positive motion control. Drive motors utilize special circuitry to start and stop travel with precision. Manually adjustable upper and lower travel limits stop the ram at user selected positions.

Model TCM500

The TCM500 test stand offers affordability and ease of use, with rotary dials for selecting test mode and motor speed, and a three-button keypad for quick motion control (up, down, stop). The speed selection dial is calibrated for accuracy and easy speed verification. Operates in any of 4 modes: manual (for fast positioning during setup), single cycle starting at upper limit, single cycle starting at lower limit, or continuous cycling between travel limits.



TCM500



TCD500 SHOWN WITH DFGS-R GAUGE

Digital Model TCD500

Model TCD500 utilizes advanced digital technology to further automate the testing process. Its bidirectional RS232 interface allows two-way data communication plus peripheral control of stand and gauge functions. The integrated keypad provides local stand control, and allows programming for test speed, cycling, and high/low deflection set points. Two 1/2" high LCD's display current settings, test status, speed, and deflection values.

MADE TO MEASURE SINCE 1835 QUALITY IS OUR DRIVING FORCE

Chatillon
DFM 10

**FORCE MEASUREMENT
EQUIPMENT**

Chatillon®



MODEL TCM500 AND DIGITAL MODEL TCD500 TEST STANDS

500 LB CAPACITY MOTORIZED TEST STANDS

SPECIFICATIONS *

- Capacity: 500 lb (250 kg, 2500 N).
- Speed accuracy: $\pm 5\%$ of max speed.
- Data output (TCD 500 only): digital, analog and chart recorder.
- Cycling: single or continuous.
- Vertical travel distance: 30 inches (762 mm).
- Horizontal clearance - platform centerline to column: 5-1/4 inches (133 mm).
- Travel speed: 1/2 to 12-1/2 inches/min (12.7 to 317.5 mm/min).
- Power requirement: 110 Vac (220 Vac available).

ADDITIONAL SPECIFICATIONS FOR DIGITAL MODEL TCD500

- Communications: bi-directional RS232, 9-PIN "D" connector.
- Deflection accuracy: greater of $\pm 5\%$ of reading or ± 0.005 inches (± 0.13 mm).
- Baud rate: selectable from 300 to 19,200.
- Vertical travel: programmable in increments of 0.001 inches.
- Travel speed: programmable in increments 0.01 inches/min.
- Cycling: programmable to 1000 cycles between deflection set points or load set points with Chatillon DFGS Gauge.
- Analog output: 0.025 Volt Per Inch $\pm 3\%$.

GAUGE SELECTION

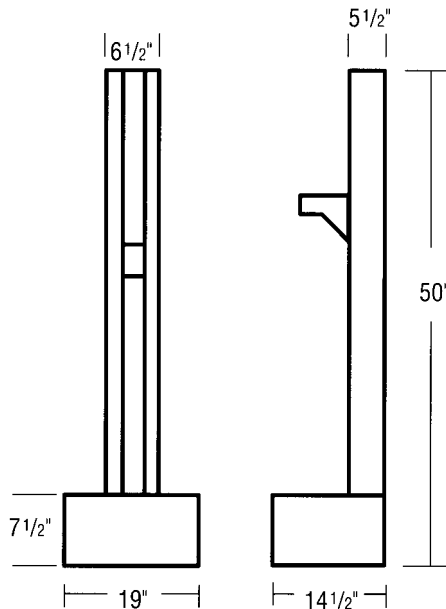
Models TCM500 and TCD500 offer standard mounting for the following Chatillon force gauges:

- DPPH - all capacities
- DFIS - all capacities
- DFGS-R - 250g thru 500 lbs.

WEIGHT

Instrument: 110 lbs. (50 kg)

DIMENSIONS



OPTIONS

- Lower compression plate for adjusting parallelism of the plates (NC000700).
- Grips available for a wide range of needs.

TRAVEL SPEEDS

DESIGNATION	SPEED RANGE	MODEL NO.
Slow Speed	0.02 to 0.5 in/min	TCM500-SS TCD500-SS
Medium Slow Speed	0.1 to 2.5 in/min	TCM500-MS TCD500-MS
Standard Speed	0.5 to 12.5 in/min	TCM500 TCD500
Medium High Speed	1 to 25 in/min	TCM500-MH TCD500-MH
High Speed	2 to 50 in/min	TCM500-HS TCD500-HS

Since 1835, Chatillon has set the standard for quality, reliability and value in weighing scales and force measuring instruments. We offer the broadest range of gauges, test stands and testing systems available from a single source, with products recognized worldwide for their superior craftsmanship and rugged reliability.

FOR MORE INFORMATION ON OUR COMPLETE LINE OF
FORCE TESTING GAUGES, STANDS, GRIPS AND ACCESSORIES,
CALL US AT (800) 527-9999
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