

Retrofit/Upgrade Service for Universal Testing Machines

Increase the accuracy and capability of your testing machine.

Give us a call at 800-667-3220 to find out how much we can save you over the cost of a new machine; or fill out the following two pages and fax to 781-769-0884. We will promptly contact you to discuss your retrofit project.

Testing Machine Retrofit Evaluation Form

Fax (4) pages to: ADMET at 781-769-0884

Rev. A1

Section 1.0

Name: _____ Phone: _____ Fax: _____

Company: _____ E-mail: _____

Address1: _____

Address2: _____

City: _____ State: _____ Zip Code: _____

Type of Retrofit:

- a) Keep current machine controls and add a Digital Indicator or MTESTQuattro
- b) Update machine to servo control and add a Digital Indicator or MTESTQuattro

Complete Sections 2.0, 4.0 and 5.0 if you have a hydraulic testing machine.

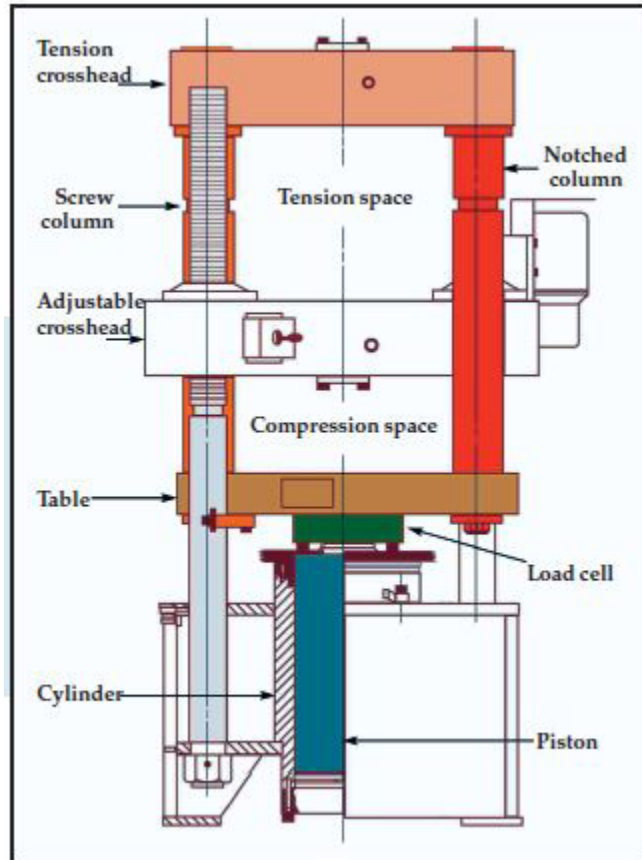
Complete Sections 3.0, 4.0 and 5.0 if you have an electromechanical testing machine.

Use the hydraulic and electromechanical testing machine diagrams on the following pages to help you determine the type of testing machine.

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Section 2.0 - Complete this Section if you have a Single or Dual Acting Hydraulic Testing Machine



Anatomy of a Single Acting (RAM) Hydraulic Testing Machine

Section 2.0 - Hydraulic Testing Machine (fill out Section 3 for electromechanical machine)

Manufacturer: _____ Model#: _____ Age: _____

Serial Number: _____ Machine Capacity: _____

Piston Diameter: _____ Piston Stroke: _____

Is the hydraulic console fixed to the machine?: () yes () no

Is the machine currently servo controlled?: () yes () no

Does the machine use hydraulic grips?: () yes () no

Does the machine have a transducer to measure piston position?: () yes () no

If yes: Manufacturer: _____ Model#: _____

Does the machine have an electric motor to move the crosshead?: () yes () no

If yes: Manufacturer: _____ Model#: _____

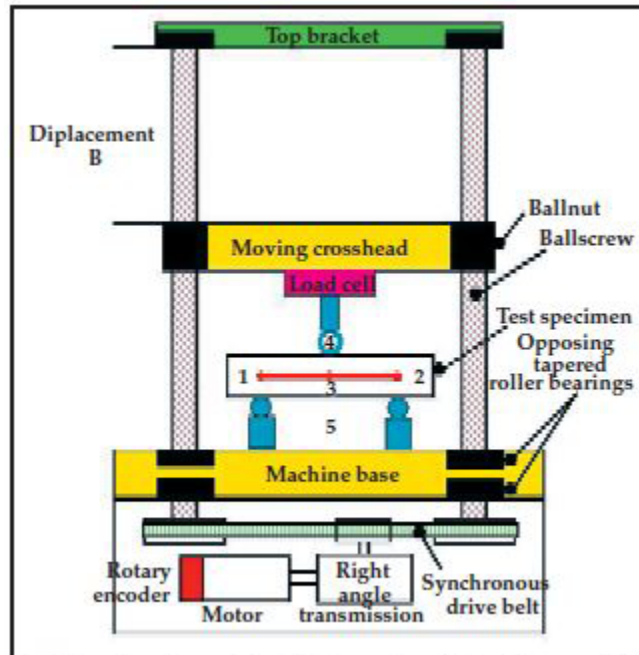
Motor: Voltage: _____ Current: _____ Horsepower: _____

Complete Sections 4 and 5 on following pages prior to faxing.

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Section 3.0 - Complete this Section if you have an Electromechanical Testing Machine



Anatomy of an Electromechanical Testing Machine

Section 3.0 Electromechanical Testing Machines (fill out Section 2 for hydraulic machine)

Manufacturer: _____ Model#: _____ Age: _____

Serial Number: _____ Machine Capacity: _____

Speed Range(s): _____ How many gear ratios on the machine: _____

Motor Manufacturer: _____ Motor Model#: _____

Motor Ratings: Voltage: _____ Current: _____ Horsepower: _____

Motor Tachometer: yes no Type: Analog: _____ Encoder: _____

Motor Amplifier Mfg: _____ Motor Amplifier Model#: _____

How does the machine measure the position of the crosshead?

Motor Encoder Crosshead Encoder Crosshead Potentiometer Screw Drive Encoder

Manufacturer: _____ Model#: _____

Complete Sections 4 and 5 on following page prior to faxing.

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Section 4.0

Functions present on control panel (check all that apply)

ON/OFF E-Stop Up/Down Jog Load Cell Select Auto/Manual Speed Potentiometer

Other: _____

What Power is available in your facility?

120 VAC 1ph 220 VAC 1 ph 208 VAC 3 ph 220 VAC 3 ph 440 VAC 3 ph

Is the machine in good working order or is something damaged?: _____

Other Information: _____

Section 5.0 Transducers and Test Methods

Load Measuring Transducers

What type of transducer is used to measure force? Pressure Transducer Load Cell

Transducer 1: Manufacturer: _____ Model#: _____ Capacity: _____

Transducer 2: Manufacturer: _____ Model#: _____ Capacity: _____

Transducer 3: Manufacturer: _____ Model#: _____ Capacity: _____

Transducer 4: Manufacturer: _____ Model#: _____ Capacity: _____

Strain Measuring Transducers (Extensometers)

Transducer 1: Manufacturer: _____ Model#: _____ Gage: _____ Range: _____

Transducer 2: Manufacturer: _____ Model#: _____ Gage: _____ Range: _____

Transducer 3: Manufacturer: _____ Model#: _____ Gage: _____ Range: _____

Transducer 4: Manufacturer: _____ Model#: _____ Gage: _____ Range: _____

Test Procedures

Types of materials being tested: _____

ASTM/DIN/etc. specifications being followed: _____

Other specialized test procedures: _____