

Materials Testing - for metals

Hounsfield is a Tinius Olsen Company

Fast Track enquiry, Fax to: 01737 764768

Address Line 1
Address Line 2
Address Line 3
Address Line 4
Address Line 5
Address Line 6

Do you currently perform any quality inspections?

Yes No

What standards do you currently test to?

Would you be interested in our calibration services?

Yes No

Please correct any errors on the mailing label.

Tel: _____

Fax: _____

E-mail: _____

What is your timeframe for equipment purchase?

0 to 6 mo 6 mo to 1yr
 over 1 yr

Would you like to opt-in to our mailing list?

Yes No

Materials Testing For Metals

A few months ago, Hounsfield Test Equipment, a Tinius Olsen company and world renowned manufacturer of bench mounted materials testing machines, proudly introduced the newly redesigned Super L series of hydraulic testing machines that are ideally suited for performing a wide variety of physical tests on materials up to 3,000 kN (600,000 lbf or 300 tonnes). Capable of testing materials in tension, compression, shear, flexure, tear and peel, these machines are most commonly used to measure the performance of metals and high strength materials in all shapes, forms and sizes.

“Capable of testing materials in tension, compression, shear, flexure, tear and peel”

The machines come in six standard capacity frames, each of which can be customised to the unique needs of the samples with the addition of the appropriate gripping system. The Modular design of the Super L allows a selection of control options, from simple stand-alone operation, to full, precise sequential test control from a PC with complete data acquisition and data analysis with familiar statistical calculations on the chosen results.

The Super L machines are well recognised across the globe for their superior accuracy, robustness and longevity and until this year have not been available in Europe. The redesign of the system controller and display means that these machines are ideally suited to European standards and markets. Overleaf there is a brief summary of the specification so you can see why they deserve their reputation:

Section of brass rod being tested in a Model 60 Super L (300kN) with an averaging LVDT extensometer.

HTE HOUNSFIELD
TEST EQUIPMENT LTD

A Tinius Olsen Company

For more information on how we can help you, call us in the UK on +44 (0) 1737 765001 or in the USA on +1 215 675 7100 or check out our web site on www.hounsfield.com

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Specification Summary

- Load measurement accuracy of +/- 0.5% of the displayed load from 0.2% to 100% of the machine's capacity.
- Modular design for easy upgrade and addition of accessories
- Four column, two screw design for exceptional rigidity.
- Extra length columns and screws available for unique testing needs.
- Semi-open and fully open front crossheads available for easier sample loading.
- Broad range of instrumentation available for simple plug-in and operation.
- Serial connection to optional pc based software for full machine control, data acquisition and data analysis.

In addition to these well recognised testing machines, Hounsfield can also supply Brinell hardness testers, torsion testers, drawability testers etc. for all manner of physical testing of metals and high strength materials. Call Hounsfield today to discuss your application and testing needs.

■ Test Development

New materials and changing markets mean we are continually developing new test methods with our application and testing software: meeting the needs of customers, industry bodies and standards organisations world-wide.

■ Test Equipment

Our range of high-precision equipment can test for tensile strength, flexural strength, Youngs modulus, offset yield stress (proof stress), plastic strain ratio (r value), strain hardening exponent (N value), Poisson's ratio, YPE (Ludering), Brinell hardness, drawability, torsional strength and Charpy impact strength

■ Test Support

Providing servicing and calibration with our UKAS-accredited engineers, plus operating quality approved support systems, means less downtime, less expense and better profitability for our customers.



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