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P R O V I D I N G S E R V I C E S I N C E 1 9 8 2

TEST EQUIPMENT FOR SALE

Thank you for viewing Systems Services' Test Equipment for Sale list.

Systems Services have a wide range of pre owned test machines and accessories available (including power packs, loadcells, servovalves etc.) which can be provided in a refurbished or as seen condition.

Please click on the links on the next page to see the items we have.

As there are so many refurbishment, warranty, installation and commissioning options all the items are un-priced. Simply e-mail us at info@systems-services.co.uk or call +44 (0) 1205 724242 with your requirements.

As part of a complete package we also offer:

- Delivery
- Installation (including all services)
- Commissioning
- Calibration
- Training
- Ongoing support and service

OFFER FOR SALE – TESTING EQUIPMENT

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OFFER FOR SALE – TESTING EQUIPMENT

Testing System Controllers

Item	Make	Description
1.	Kelsey Instruments K7500 Digital Servocontroller. Includes manuals. Warranty available.	<p>Digital control system in a compact sized case. The original digital controller and still as good today as it was when designed.</p> <p>In addition to providing an extensive range of advanced software configurable features for closed loop control of servo hydraulic actuators, the controller also offers a wide range of complementary system functions which can eliminate the need for peripheral units.</p> <p>The power and versatility of the K7500 system in static and dynamic testing is to be found in the main functional sections set out below:</p> <ul style="list-style-type: none"> • User configurable control loops • PID controller with self tune and gain boost features • User configurable hydraulic power control • Programmable transducer signal processing • Internal static and dynamic function generator (Test Management) • Integrated safety system with event logging • Dual multi-mode digital displays • Digital interface options for networking-data acquisition/command



OFFER FOR SALE – TESTING EQUIPMENT

Kelsey Instruments K7000 Digital Control Systems

Item	Make	Description
2.	Kelsey Instruments	<p>K7000 Compact 12 Channel digital control system</p> <ul style="list-style-type: none"> • 12 channels of load control • Digital i/o, hydraulic interfacing • 128 channels data logging • Full graphics system including PC, software, graphics monitor and interconnecting cables. • Includes warranty – see end of table. • See the full specification sheet at the end of this document.
3.	Kelsey Instruments	<p>K7000 Compact 8 Channel digital control system; 8 channels of load control, digital i/o, hydraulic interfacing, 128 channels data logging, full graphics system including PC, software, graphics monitor and interconnecting cables. Includes warranty – see end of table.</p>
4.	Kelsey Instruments	<p>K7000 Compact 8 Channel digital control system; 8 channels of load control, digital i/o, hydraulic interfacing, 128 channels data logging, full graphics system including software, graphics monitor and interconnecting cables. Excludes PC but includes interface cards for PC. Includes warranty – see end of table.</p>



OFFER FOR SALE – TESTING EQUIPMENT

Kelsey Instruments K7000 Digital Control Systems

Item	Make	Description
5.	Kelsey Instruments	K7000 Quad 4 Channel digital control system; 4 channels of load control, digital i/o, including PC, software & interconnecting cables. Includes warranty – see end of table.
6.	Kelsey Instruments	CK722 PC interface cards, priced per set (2 per set). We have at least 4 sets.
7.	Kelsey Instruments	PC to K7000 cables sets (4 cables), new, priced per set.

K7000 Warranty

K7000 systems are fully tested and, when the system includes a PC, will be configured for the appropriate number of channels. All K7000 systems include a 12month “return to base” warranty. Systems Services will, at their option, repair or replace faulty items without charge to the owner if the equipment fails in normal use within 12 months from date of receipt of full payment or from the date of despatch. Parts may only be returned with the express permission of Systems Services and upon issuance of a returns authorisation number. Systems Services will always attempt to diagnose the problem by phone/e-mail prior to authorising a return. The owner will be responsible for all shipping costs.

The equipment is offered for sale in an “as seen” condition.


OFFER FOR SALE – TESTING EQUIPMENT

Complete Machines


Item	Make	Capacity	Description
8.	Losenhausen	100kN	<p>2 column frame with hydraulic lift and lock, test space of approx 900mm. Mechanical Grips and Actuator.</p> <p>This machine is suitable for static tension, static compression and high frequency dynamic tests.</p> <p>This unit comprises an Losenhausen 2010 servo hydraulic two column frame fitted with open face T-grips. These grips were designed to test carbon fibre coupons and offer exceptional alignment. The daylight of the frame can be infinitely varied up to its maximum by means of a hydraulic unclamping and lift system (some frames) which combined with the Dowty 4551-245-00 five port servovalve gives excellent static & dynamic capabilities.</p> <p>Can be supplied standalone to work from a ringmain or with a pump unit. Can also be supplied with a digital controller.</p>




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9.	Mayes	100kN	<p>Two column fatigue rated 50mm stroke test machine frame with 100kN loadcell and hydraulic wedge grips. The test frame also has hydraulic raise/lower and crosshead unclamp.</p> <p>This unit comprises an Mayes ESH100B servo hydraulic two column frame fitted with hydraulic wedge grips.</p> <p>The daylight of the frame can be infinitely varied up to its maximum by means of a hydraulic unclamping and lift system which combined with the Moog 76-104 servovalve gives excellent static & dynamic capabilities.</p> <p>Can be supplied standalone to work from a ringmain or with a pump unit. Can also be supplied with a digital controller.</p>	
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OFFER FOR SALE – TESTING EQUIPMENT

10.	Mayes	100kN	<p>A recently decommissioned Mayes 100kN fatigue rated universal load frame.</p> <p>The load frame has an Instron 8800 controller.</p> <p>The machine is complete with large hydraulic grips and specialist test software and had been refurbished.</p> <p>The replacement programme also included main line hydraulic control and a new pendant control for crossmember movement. The upgrade was performed by Instron.</p> <p>The loadcell is rated for 150kN.</p>	
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OFFER FOR SALE – TESTING EQUIPMENT

11.	Roell Amsler	5kN Vibrophore	<p>For fatigue testing of materials or components by applying sinusoid loads Roell Amsler Vibrophores offer an economical alternative using the resonance principle with constant or variable amplitude and mean load.</p> <p>The vibrophores combine a maintenance-free system with maximum testing speed at minimum energy requirements.</p> <p>With suitable add-ons, testing can be carried out under different environmental conditions (temperature, aggressive media), or torsion or bending tests can be performed. Testing can be performed either force controlled or strain controlled. And, of course, <i>testXpert</i>® will support you with harmonized standard and master test programs.</p>	
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OFFER FOR SALE – TESTING EQUIPMENT

Hydraulic Pump Units

Item	Make	Capacity	Description
12.	Mayes	45 l/min & 10 l/min (Dual Pumps) 210bar Dimensions: (LXDXH) 1400mm x 1000mm x 1100mm. Oil volume: approximately 300litres	<p>This is a dual pump unit providing 45l/min & 10l/min at up to 210bar.</p> <p>It is water cooled and includes a pump for offline circulation of the oil to be cooled.</p> <p>Will be quieter as it has submerged pumps.</p> <p>Includes float switch and thermostat.</p> <p>Power requirement will be approximately 30kW. This unit will require external pump stop/start controls (main contactors exist within the unit).</p> <p>This pump unit is also available with oil/air cooling and additional filtration.</p>



OFFER FOR SALE – TESTING EQUIPMENT

Hydraulic Pump Units

Item	Make	Capacity	Description
13.	Instron	30l/min 210bar Dimensions: (LXDxH) 1350mm x 1100mm x 900mm. Oil volume: approximately 300litres	<p>This is a 30l/min pump unit at 210bar. As always with Instron this a top of the range unit with only 3765hours indicated.</p> <p>Water cooled</p> <p>Includes filter, accumulator, pressure switch, float switch & thermostat.</p> <p>Integrated pump start controls and the possibility of remote control. Power requirement of approximately 13kW.</p> <p>This pump unit is also available with oil/air cooling and additional filtration.</p>



OFFER FOR SALE – TESTING EQUIPMENT

Hydraulic Pump Units

Item	Make	Capacity	Description
14.	Hagglunds Denison	10-15lpm 100bar (variable flow pump so pressure could be increased and flow reduced). Dimensions: (LXDXH) 1000mm x 500mm x 900mm. Oil volume: approximately 100litres	New, variable flow pump unit, nominally 10-15l/min at 100bar but the flow could be reduced to permit higher pressures. This is a really nice small pump unit. It has a built in air cooler, a proportional control valve and driver and could run from a single phase supply.
15.	Mand	3.5lpm	Air cooled, good condition
16.	Mand510.006	20lpm	Water cooled, fair condition
17.	Mand510.003	15lpm	Water cooled, fair condition
18.	Mand 10.02.0882	3lpm	Water cooled, fair condition



OFFER FOR SALE – TESTING EQUIPMENT

Hydraulic Pump Units


Item	Make	Capacity	Description
19.	Mand510.03	16lpm	Water cooled, fair condition

OFFER FOR SALE – TESTING EQUIPMENT

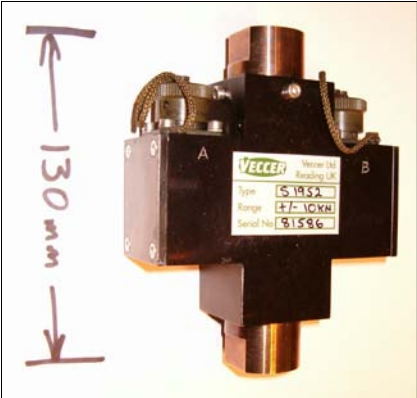
Hydraulic Actuators & Manifolds

Item	Make	Type	Description
			None at present – we've sold them all!



OFFER FOR SALE – TESTING EQUIPMENT

Accessories			
Item	Make	Type	Description
20.	Servovalves	Various	<p>A range of servo and proportional valves – please ask for details.</p> 

OFFER FOR SALE – TESTING EQUIPMENT

Accessories			
Item	Make	Type	Description
21.	Veccer	Loadcells	<p>A range of Veccer loadcells, 10kN to 100kN – please ask for details.</p> 

OFFER FOR SALE – TESTING EQUIPMENT

Accessories			
Item	Make	Type	Description
22.	Micromovements	M2200 Chart recorder.	<p>If you are familiar with the type of recorder then you will know how good they are. We also have a wide range of amplifiers to go with the unit along with charts and a flight case.</p> <p>More details are available at www.micromovements.co.uk/Site/M2000_data_rec_order_specification.htm</p>
			
23.	Fluke	NetDaq	<p>Fluke Net DAQ data acquisition controller.</p> <p>Full details at www.fluke.co.uk</p>
			

OFFER FOR SALE – TESTING EQUIPMENT

Accessories			
Item	Make	Type	Description
24.	Kelsey Instruments	CDAS	Kelsey 6 channel Data acquisition unit. Designed to work with the K7500 range of digital controllers.

OFFER FOR SALE – TESTING EQUIPMENT

All this equipment is open to offers – Systems Services would rather sell it then pay storage!

Terms and Information

The equipment is offered for sale in an “as seen” condition.

The equipment may be viewed prior to purchase – please contact Systems Services.

The prices shown do not include transport, installation, commissioning or calibration – Systems Services will be pleased to offer these services.

Terms of payment – payment in full prior to delivery.

Contact Information

Further information – please contact Stephen Barrett direct on 07836 607414, office 01205 724242

or e-mail spbarrett@systems-services.co.uk