



IF IT'S WORTH BUILDING, IT'S WORTH TESTING

This wishlist was generated on 05/05/2017, and contains the following Products:

36-4150/01

ADR-Auto V2.0 2000 BS Compression Machine

34-3590/01

Tilting Drum Concrete Mixer 120/90L/ (4/3Cu.Ft) Complete with Stand

38-3800/01

Autoclave

83-4170/01

Muffle Furnace

78-1250/01

225 Litre Drying Oven

39-7100/01

10kN Flexural/Tensile Testing Machine

39-1300/01

Humidity Cabinet 320 Litre Capacity Compliant to EN196 and EN459-2

78-5527/01

Electronic Balance - 32 000 g x 1.0 g

78-5335/01

Electronic Balance - 220g x 0.001g

46-4825/01

Magnetic Stirrer

78-3104/01

Digital Hotplate

38-1000

Blaine Air Permeability Apparatus

38-2695

Pocket Concrete Penetrometer

45-9300

Vacuum Pyknometer, 6000 g

34-6575/01

Large Curing Tank C/W with Circulating Pump Heater/Thermostat Unit and Lower Rack

34-6250/01

Vibrating Table 600 X 400mm Table Top. 220-240V 50Hz 1Ph. Supplied with clamping assembly

80-0200/01

ELE Sieve Shaker

79-2290

300mm Dia BS Sieve 2.80mm Stainless Steel Mesh.

38-3420/01

Le Chatelier Water Bath

38-1200

Le Chatelier Flask

38-3005

Le Chatelier Mould



ADR-Auto V2.0 2000 BS Compression Machine

Code: [36-4150/01](#)

Product Group: [BS EN Compression Machines](#)

The ADR-Auto V2.0 2000 BS EN is supplied complete with self-centring lower platen and safety gates fitted with interlock switches ready for testing 300 x 150 mm diameter cylinders. When used for cube testing Distance pieces (EN) of the appropriate size must be ordered separately.

Standards

EN 12350-6, NF P18-411

Further Information

****Not available for sale in the USA****

Whilst delivering all of the features and reputation of the established ADR-Auto V2.0 range with its 20 year design history, the new and improved user interface provides a high quality platform for testing that will enhance the performance of our compression machines. New, sophisticated electronics further the benefits of a closed-loop operation in testing concrete and cement/ mortar samples, satisfying the requirements of Quality Control Managers, Lab Managers and Technicians alike.

ACCURACY & SAVINGS

The NEW ADR-Auto V2.0 range, with 145mm (5.7") touch screen interface and intuitive menu driven operation reduces the time taken to set up the machine and perform tests, reducing the time to train staff by up to 25%. Most testing errors produce lower strength results. Noncompliant loading rates can generate errors in measured strength. With the latest closed-loop technology used in the ADR-Auto V2.0, the most effective cement ratios can be used with confidence.

TRACEABILITY & DATA QUALITY

The ADR-Auto V2.0 now provides improved data quality and traceability in due diligence cases - it is now possible to display traceability all the way from the machine/user to the accreditation body, increasing your reputation and peace of mind - all test results now come complete with the machine serial number attached. Prove your service quality - the ADR-Auto V2.0 now plots load vs time in real-time, proving full compliance to the testing standard. This data can be stored for later use or for detailed analysis of the concrete production.

USER SAFETY

Full safety gates as standard, total systems diagnostics, ram run-out switches and overload warnings ensure the safety of your employees and the reliability of your machine.

Specification

Testing Standards

BS EN 12390, BS EN 12390-3,

Capacity	BS EN 12390-4, BS EN 12390-5, EN 12504-1, EN 1354, EN 1521, EN 3161, EN 1338, EN 772-6, EN 13286-41, BS 3892-3, BS 187, BS 6717, BS EN ISO 7500-1, ASTM E4
Cubes (Concrete)	2000 kN
Cylinders (Concrete)	Up to 200 mm
Blocks	Up to 160 x 320 mm
TFV and ACV	Via optional Platen Handling System
Voltage Supply	Yes
Frame Type	220-240 V 50 Hz 1 Ph
Max vert. Clearance	Welded
Max hor. Clearance	340 mm
Platen Sizes	355 mm
Max Ram Travel	Lower 220mm sq, Upper 300mm dia
	50 mm

Accessories



100 kN Flexural Fitting Kit ADR Auto for 220 - 240 V AC, 50 Hz, 1 ph

Code: [37-6135/01](#)



100 kN Flexural Fitting Kit ADR Auto for 220 - 240 V AC, 60 Hz, 1 ph

Code: [37-6135/06](#)



2000 kN Capacity Calibration Load Cell with Hand-Held Readout

Code: [37-8315](#)



300mm Lower Brick Platen

Code: [37-4842](#)



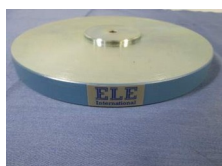
BS Block Platens & Platen Handling Assembly for 2000kN & 3000kN BS Frames.

Code: [37-4830](#)



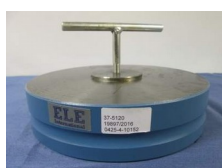
EN 12390-3/4 Distance Piece - 100 mm Depth

Code: [37-5180](#)



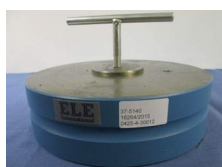
EN 12390-3/4 Distance Piece - 20 mm Depth

Code: [37-5110](#)



EN 12390-3/4 Distance Piece - 50 mm Depth

Code: [37-5120](#)



EN 12390-3/4 Distance Piece - 60 mm Depth

Code: [37-5140](#)



Flexible Hose

Code: [5038B0027](#)



Impact Printer Rs232 Serial Connection. Supplied Complete with 1 Paper Roll.

Code: [37-4859/01](#)

Spares/Consumables



Pressure transducer, 0-700bar, 0.05 to 10v DC Output

Code: [6014A0062](#)

Alternatives



ADR-Auto V2.0 2000 BS Compression Machine

Code: [36-4150/06](#)



ADR-Auto V2.0 3000 BS EN Compression Machine

Code: [36-4165/01](#)



ADR-Auto V2.0 3000 BS EN Compression Machine

Code: [36-4165/06](#)



Tilting Drum Concrete Mixer 120/90L/ (4/3Cu.Ft) Complete with Stand

Code: [34-3590/01](#)

Product Group: [Tilting Drum Mixer](#)

120/90 litre mixing capacity. For 220 - 240 V AC, 50 Hz, 1 ph.

Standards

EN 12390-2

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Autoclave

Code: [38-3800/01](#)

Product Group: [Soundness of Portland Cement by the Autoclave Method](#)

The autoclave provides high pressure steam curing of the specimens and is supplied with a safety valve pressure gauge and controlled heater unit. The pressure vessel is independently certified and certificated. A specimen rack with capacity for 12 specimens included. The unit conforms to the requirements of ASTM C151.

220-240 V 50/60 Hz 1ph

Standards

ASTM C151

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

Spares/Consumables



Lid Sealing Gasket

Code: [38-3800/13](#)



Muffle Furnace

Code: [83-4170/01](#)

Product Group: [Furnaces](#), [Loss-on-Ignition](#),
[Loss-on-Ignition](#)

Standards

EN 196-2, EN 459-2, EN 13454-2, BS 1016-4, ISO 344, ISO 1171, ASTM D2361, ASTM D2795, ASTM D3714

Specification

External Dimensions (l x w x h)	545 x 385 x 400 mm
Work chamber dimensions (l x w x h)	300 x 200 x 120 mm
Internal volume	6.9 litres
Maximum temperature	1200 °C
Electrical supply	220 – 240 V AC, 50 - 60 Hz, 1 ph
Power supply	3500 W
Weight	130 kg

Spares/Consumables



Controller, for use in 83-4170/01

Code: [83-4170/11](#)



Element heating for use in 83-4170

Code: [83-4170/14](#)



Element/Chamber complete, heating, for use in 83-4170/01

Code: [83-4170/12](#)



Refractory brick for 83-4170/01

Code: [83-4170/13](#)



Thermostat, KGrade, 370 long, dia 2.5, for 83-4170/01

Code: [83-4170/10](#)

Alternatives



Heat of Hydration Apparatus

Code: [38-4600/06](#)



Heat of Hydration Apparatus

Code: [38-4600/01](#)



Rotatest 1500

Code: [45-3810/01](#)



Rotatest 3000

Code: [45-3815/01](#)



225 Litre Drying Oven

Code: [78-1250/01](#)

Product Group: [Percentage Refusal Density \(PRD\)](#),
[Oven Drying Method](#), [Oven Drying Method](#), [Oven Drying Method](#)

Standards

EN 12697-32, EN 13280-4, BS 598-104, BS 1377

Specification

Capacity	225 litres
External Dimensions (l x w x h)	540 x 1040 x 940
Internal Dimensions (l x w x h)	440 x 920 x 600
Fluctuation	± 0.75°C
Rated power heater elements	2000 W
Shelves supplied	3
Shelf positions	4
Weight	80 kg

Alternatives



100 Litre Drying Oven

Code: [78-1225/01](#)



150 Litre Drying Oven

Code: [78-1235/01](#)



425 Litre Drying Oven

Code: [78-0135/01](#)

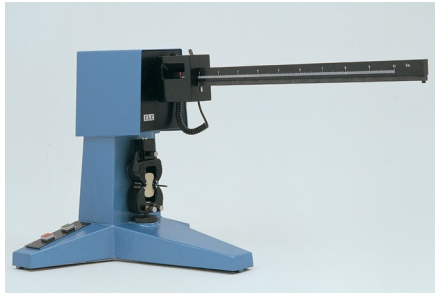
Product Sheet

www.ele.com
+44 (0) 01525 249 200



50 Litre Drying Oven

Code: [78-1215/01](#)



10kN Flexural/Tensile Testing Machine

Code: 39-7100/01

Product Group: 10 kN Flexural/ Tensile Testing Machine

This single lever machine is designed for flexural tests on 40.1 x 40 x 160 mm mortar prisms and tensile tests on mortar briquettes. The rate of applied loading for flexural testing is to EN196-1. Load is applied by a weight travelling along the beam at a constant rate, driven by a motor/gearbox. Readings are made by means of a cursor visible through a window in the moving weight. Failure of a specimen triggers a switch mechanism and brings the weight to a halt immediately. To prevent overloading, a sensor is incorporated in the weight and automatically stops the machine at its maximum capacity of 10 kN. Supplied complete with flexural and tensile jaws.

Standards

EN 196-1

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

For 220 - 240 V AC, 50 Hz, 1 ph.



Humidity Cabinet 320 Litre Capacity Compliant to EN196 and EN459-2

Code: 39-1300/01

Product Group: Humidity Cabinet BS EN, Prism
Moulds and Inserts

For 220 - 240 V AC, 50 Hz, 1 ph.

Standards

EN 196-1, EN 459-2

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

10 Reinforced Shelves and Circular Chart Recorder

Specification

Capacity	320 litres
Dimensions External, Internal	660 x 635 x 1745 mm, 490 x 510 x 1275 mm
Temperature Range	+5.0°C to +60°C
Fluctuation (better than)	± 0.2°C
Variation (better than)	± 0.5°C
Recorder:	7 day,
Electronic data logger,	0 – 50°C,
Temperature,	0 – 98% RH
Humidity	
Rated power	850 Watt
Number of shelves	10

Product Sheet

www.ele.com
+44 (0) 01525 249 200



Weight 200 kg

Alternatives



Humidity Cabinet BS EN 150 Litre Capacity 50Hz

Code: [SP39-1400/01](#)



Electronic Balance - 32 000 g x 1.0 g

Code: [78-5527/01](#)

Product Group: [Electronic Balances](#)

Further Information

****Not available for sale in the USA****

Specification

Capacity resolution	32000 g x 1.0 g
Pan size	225 x 275 mm
Mains and battery	Yes
Dimensions (w x d x h)	315 x 355 x 110 mm
Weight	6 kg
Weighing units	g, kg, lb, lb:oz, oz
Repeatability	1 g
Power supply	230AC, 50/60Hz, 10 watts



Electronic Balance - 220g x 0.001g

Code: [78-5335/01](#)

Product Group: [Electronic Balances](#)

Further Information

****Not available for sale in the USA****

Specification

Capacity resolution	220 g x 0.001 mg
Pan size	120 mm dia
Mains and battery	No
Dimensions (w x d x h)	220 x 310 x 270 mm
Weight	12 kg
Weighing units	g, mg, ct, GN, N, oz, ozt, dwt, T, custom unit
Readability	0.001 mg



Magnetic Stirrer

Code: [46-4825/01](#)

Product Group: [Ring and Ball Apparatus](#)

Utilises a rotating magnetic field to induce variable speed stirring action. A built-in regulating transformer provides fine temperature control of liquid up to a maximum temperature of +150°C. The unit is suitable for use with the Ring and Ball Apparatus.

Standards

EN 1427, BS 2000-58

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Digital Hotplate

Code: [78-3104/01](#)

Product Group: [Digital Hotplate](#)

Further Information

****Not available for sale in the USA****

Specification

Dimensions	520 x 360 x 130 mm
Construction	Robust metal with anodised aluminium plate heated surface
Maximum temperature	300 x 1°C
Rated power	1500 W



Blaine Air Permeability Apparatus

Code: 38-1000

Product Group: Blaine Fineness Apparatus,
Determination of Fineness Blaine Apparatus

Standards

EN 196-6, EN 459-2, EN 13286-44, BS 4359-2, ASTM C204, AASHTO T153

Specification

Cell	Stainless steel; 12.70 \pm 0.10 mm i.d.
Disk	0.9 \pm 0.1 mm thick with 30-40 one mm diam. holes.
Plunger	Stainless steel.
Manometer	U-tube glass with ground joint, stop cock and rubber bulb assembly.
Filter Paper	12.70 mm diam.
Fluid	Pure Mineral Oil.
Weight	Net 7 lbs. (3.2 kg).

Accessories



Electronic Balance - 620 g x 0.001 g

Code: 78-5405/01



Filter Papers

Code: [38-0650](#)



Pure Mineral Oil 1 Litre Bottle.

Code: [38-0620](#)



Reference Cement

Code: [38-0645](#)

Spares/Consumables



Blaine Air Permeability Cell

Code: [38-1000/15](#)



Filter Paper

Code: [38-0652](#)



Manometer U-tube

Code: [38-1000/10](#)



Pocket Concrete Penetrometer

Code: 38-2695

Product Group: Concrete Mortar Penetrometer,
Concrete Mortar Penetrometer, Setting Time by
Penetration Resistance

Supplied complete with belt-loop, canvas carrying
case.

Standards

ASTM C187, ASTM C191, ASTM C780

Specification

Needle	Steel shaft; 1/20 sq. in. surface area.
Range	0 to 700 psi.
Scale	Direct-reading; indicator sleeve holds reading until released.
Dimensions	3/4" (19 mm) diam. x 7" (178 mm) long.
Carrying Case	Canvas, with belt-loop.
Weight	Net 8 oz. (227 g).



Vacuum Pyknometer, 6000 g

Code: 45-9300

Product Group: Vacuum Pyknometer, Vacuum Pyknometer (6,000 Gram), Specific Gravity (Rice) Test with 6,000 gram Vacuum Pyknometer

The Vacuum Pyknometer is a large capacity unit used in the rice test for determining the maximum specific gravity of bituminous paving mixtures. The Pyknometer has a transparent top for observation and a lightweight polycarbonate construction.

The Pyknometer has a total volume of 10 litres and will conveniently accept samples of 6000 grams to minimise segregation effects.

Standards

EN 12697-5, ASTM D2041, AASHTO T209, AASHTO T283

Specification

Capacity	Approximately 10 liters; 6,000 g (13 .2 lbs.) sample weight.
Construction	Lightweight polycarbonate with transparent upper half.
Gauge	2" (50.8 mm) diam., 30" x 0.5" Hg.
Aspirator	Plastic; 3/8" pipe thread (included).
Connections	Water inlet valve; quick disconnect for vacuum gauge and hose.
Dimensions	10-3/4" (273 mm) o.d. x 16" (406 mm) h.
Weight	Net 8 lbs. (3.6 kg).

Accessories



1/4" O.D Plastic Tubing

Code: 45-9301/14



Drierite Desiccant

Code: [45-9315/14](#)



Filtering Kit

Code: [45-9301](#)

Alternatives



Vacuum Pyknometer (2,000 gram)

Code: [45-9310](#)



Vacuum Pyknometer Apparatus

Code: [45-9305/01](#)



Large Curing Tank C/W with Circulating Pump Heater/Thermostat Unit and Lower Rack

Code: [34-6575/01](#)

Product Group: [Expansion \(swell\) Test Equipment, Large Curing Tank](#)

This Large Curing Tank is supplied complete with a submersible pump, immersion heater/thermostat unit and separate control panel. The tank includes a lower rack as standard and is designed to maintain the temperature at $20 \pm 2^{\circ}\text{C}$, providing that the ambient temperature does not fall below 15°C or rise above 20°C .

Standards

EN 12390-2, ASTM C31, AASHTO T23

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

Supplied as specified. For 220 - 240 V AC, 50 - 60 Hz, 1 ph.

Specification

Internal Dimensions	1040 x 1040 x 605 mm (l x w x h)
Capacity	650 litres
Rated Power	2000 watt
Weight	60 kg

Accessories



Maximum and Minimum Thermometer

Code: [82-5310](#)

Alternatives



Jolting Table 220 - 240 V AC 60 Hz

Code: [39-1150/06](#)



Vibrating Table 600 X 400mm Table Top. 220-240V 50Hz 1Ph. Supplied with clamping assembly

Code: [34-6250/01](#)

Product Group: [Vibrating Table](#)

Vibrating table mounted on a steel stand, supplied
with clamp assembly.

Standards

EN 12390-2, EN 12350-6, EN 12350-7

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

3000 cycles per minute. For 220 - 240 V AC, 50 Hz, 1 ph.

Specification

Dimensions (table top)	600 x 400 mm
Maximum no. Cube moulds	2 x 150 mm ²
Clamp Assembly	Single
Weight	60 kg

Accessories



Compacting Bar 25mm Sq X 380mm

Code: [34-2910](#)



Wire Brush

Code: 81-0705

Alternatives



100 X 100 X 500mm Beam Mould.

Code: 34-5003



100mm Cube Mould 2-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: 34-4650



100mm Cube Mould 4-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: 34-4520



100mm Dia Cylinder Mould 200mm Long.

Code: 34-5210



150 X 150 X 750mm Beam Mould.

Code: [34-5053](#)



150mm Cube Mould 2-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: [34-4670](#)



150mm Cube Mould 4-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: [34-4570](#)



150mm Dia Cylinder Mould 150mm Long.

Code: [34-5230](#)



150mm Dia Cylinder Mould 300mm Long.

Code: [34-5260](#)



**200mm Cube Mould Clamp Type. Cast Iron Construction.
Stamped Mould Sections. EN Compliant.**

Code: [34-4620](#)



ELE Sieve Shaker

Code: [80-0200/01](#)

Product Group: [ELE Sieve Shaker](#)

The ELE sieve shaker is powered by an electromagnetic drive that has no rotating parts to wear making it maintenance free and extremely quiet in operation.

The unit features a triple Vertical-Lateral-Rotary vibrating action that moves the sample over the sieve producing faster more efficient sieving, while the rapid vertical movements also help keep the apertures from blinding.

The shaker is ideal for laboratory or on site use. It is robust, compact and sufficiently lightweight to be portable. The separate digital microprocessor controlled console unit incorporates a keypad for setting the sieving program and is isolated from any effects of vibration from the shaker.

As standard the shaker includes, timer 0-999 minutes, adjustable vibration intensity and adjustable intermittent or continuous operation.

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

The unit accepts up to ten 200 mm or 8 inch, full height, diameter sieves and lid and receiver, or up to six 300 mm or 12 inch diameter sieves and lid and receiver. Complete as specified. Dimensions (l x w x h) 380 x 440 x 1085 mm. For 220 - 240 V AC, 50 Hz 1ph.



300mm Dia BS Sieve 2.80mm Stainless Steel Mesh.

Code: 79-2290

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

Standards

BS410-1, ISO 3310-1, ISO 565, EN933-2

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Le Chatelier Water Bath

Code: [38-3420/01](#)

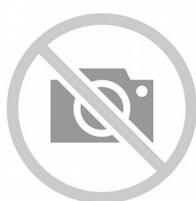
Product Group: [Soundness of Cement Paste by the Le Chatelier Method, Soundness](#)

Manufactured from corrosion resistant material, complete with a removable rack to hold up to twelve moulds and timer unit.

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

Accessories



Extensibility of Mould Apparatus BS

Code: [38-3200](#)



Tamping Rod

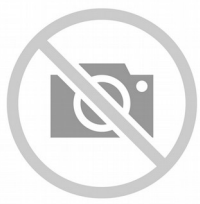
Code: [38-3300](#)



Trowel - Gauging

Code: [81-0335](#)

Alternatives



Extensibility of Mould Apparatus BS

Code: 38-3200



Tamping Rod

Code: 38-3300



Trowel - Gauging

Code: 81-0335



Le Chatelier Flask

Code: [38-1200](#)

Product Group: [Le Chatelier Flask, Specific Gravity \(relative density\) of Hydration Cement](#)

For determining the density of hydraulic cement and lime, supplied complete with calibration certificate. Capacity 250ml. Graduated from 0 to 1ml and from 18 to 24ml graduations. Accurate to 0.05ml.

Standards

EN 196-6, ASTM C128, ASTM C188, E 694, AASHTO T133

Specification

Graduations

Zero mark represents 250 ml, the capacity of the large bulb; neck graduations from 0-1 ml in 0.1 ml divisions with two extra 0.1 ml graduations above the 1.0 and below the 0 marks; bulb portion of neck holds 17 ml; top portion of neck graduated from 18-24 ml in 0.1 ml divisions; 24 ml capacity.

Stopper

Ground glass.

Weight

Net 8 oz. (227 g).

Accessories



Chattaway Spatula 125 mm

Code: [81-0180](#)



Electronic Balance - 620 g x 0.001 g

Code: [78-5405/01](#)



Water Bath - 12 litres

Code: [82-8500/01](#)



Le Chatelier Mould

Code: 38-3005

Product Group: General Expansion of Dry Hydrated Lime by the Le Chatelier Method, Soundness of Cement Paste by the Le Chatelier Method, Soundness

Comprising a split cylinder fitted with two indicator stems. The mould is supplied complete with two glass plates and a weight 100 g \pm 10 g. Three moulds required for each test.

Standards

BS 6463, EN 196-3, EN 459-2

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

Accessories



Extensibility of Mould Apparatus BS

Code: 38-3200



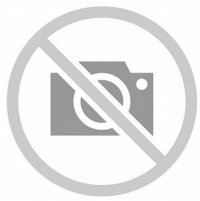
Extensibility of Mould Apparatus EN

Code: 38-3205



Le Chatelier Water Bath

Code: 38-3420/01



Tamping Rod

Code: [38-3300](#)



Trowel - Gauging

Code: [81-0335](#)