



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

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Scraper

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39-1100

Three-gang Mould

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Feeding Hopper

39-1130

Scraper

SP39-1400/01

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82-2660

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Water Bath - 12 litres

78-5405/01

Electronic Balance - 450 g x 0.001 g



Automatic/Manual 5 litre nominal capacity Mortar Mixer

Code: 39-0035/01

Product Group: Automatic/Manual 5 Litre Nominal Capacity Mortar Mixer

- New Microprocessor control
- New mix program selector
- Complies with latest EN Standards update
- Choice of automatic mixing cycles
- Sand and water dispenser supplied as standard

This mixer is designed to mix mortars and cement pastes to the requirements of the above Standards. The mixing paddle has a planetary motion and is driven by a motor with a microprocessor based speed and program controller. The mixer can be operated either in an automatic or manual mode. When the mixer is used in the manual mode, the two mixing speeds can be changed by means of a rocker switch, without switching off the motor. In the automatic mode any one of the preset mixing programs may be selected.

Standards

EN 196-1, EN 196-3, EN 413-2, EN 459-2, EN 1744-1, EN 13279-2, EN 1015-2, EN 13395-1, EN 13454-2, ISO 679, BS 3892-1, BS 3892-3, BS 6463-103, BS 4551-1

Further Information

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

Complete with bowl and paddle, sand and Water dispensers. For 220 - 240 V AC, 50 - 60 Hz, 1 ph.

Specification

Dimensions (l x w x h)	530 x 350 x 580 mm
Speeds (rpm) Low, High	Paddle: 140 ± 5, 285 ± 10 Mixing Head: 62 ± 5, 125 ± 10
Rated Power	180 W
Bowl Capacity	5 litres approx.
Weight	54 kg

Spares/Consumables



Bowl

Code: [39-0031/11](#)



Paddle

Code: [39-0031/10](#)



Bowl Cover

Code: [39-0060](#)

Product Group: [Automatic/Manual 5 Litre Nominal Capacity Mortar Mixer](#)

Standards

EN 196-1, EN 196-3, EN 413-2, EN 459-2, EN 1744-1, EN 13279-2, EN 1015-2, EN 13395-1, EN 13454-2, ISO 679, BS 3892-1, BS 3892-3, BS 6463-103, BS 4551-1

Further Information

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



Scraper

Code: [39-0065](#)

Product Group: [Automatic/Manual 5 Litre Nominal Capacity Mortar Mixer](#)

Plastic 200mm long. Pack of 5.

Standards

EN 196-1, EN 196-3, EN 413-2, EN 459-2, EN 1744-1, EN 13279-2, EN 1015-2, EN 13395-1, EN 13454-2, ISO 679, BS 3892-1, BS 3892-3, BS 6463-103, BS 4551-1

Further Information

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



Jolting Table 220 - 240 V 50 Hz

Code: [39-1150/01](#)

Product Group: [Jolting Table](#)

Supplied without moulds.

Standards

EN 196-1, EN 413-2, EN 459-2, EN 1744-1, EN 1015-10, EN 1015-11, EN 13454-2, ISO 679, BS 3892-1, BS 4551-1

Further Information

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

Spares/Consumables



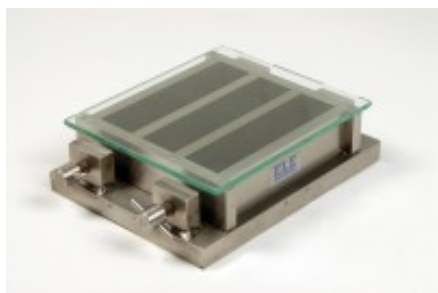
Mortar Sand

Code: [39-1170](#)



Scraper

Code: [39-1130](#)



Three-gang Mould

Code: [39-1100](#)

Product Group: [Moulding of Prisms](#)

For 40.1 x 40 x 160 mm mortar prisms. This mould is manufactured to a very high specification. Supplied with glass plate.

Further Information

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

Spares/Consumables



Glass Plate

Code: [39-1100/10](#)



Mortar Sand

Code: [39-1170](#)



Feeding Hopper

Code: [39-1120](#)

Product Group: [Moulding of Prisms](#)

For 39-1100 Mould.

Further Information

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



Scraper

Code: [39-1130](#)

Product Group: [Moulding of Prisms](#)

Double-ended, used for spreading and levelling mortar in mould.

Further Information

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



Humidity Cabinet BS EN 150 Litre Capacity 50Hz

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

Product Group: [Humidity Cabinet BS EN](#)

- Micro-processor controller for temperature and humidity for precise and reliable control
- Stainless Steel interior with adjustable shelves
- CFC-free polyurethane insulation to provide efficient thermal stability
- 12mm access port

Prior to testing, EN 196 requires prisms to be cured for a period of at least 24 hours at $20 \pm 1^\circ\text{C}$, 90 % RH minimum. The prisms are then de-moulded and stored under water for the required curing time, usually 48 hours, 72 hours, 7 and 28 days.

The Humidity Cabinet is built to a high specification and is designed for the early curing of mortar prisms prior to storing under water. Relative humidity up to 98%.

Specification

Temperature Range	+5 °C to 60 °C
Temperature Control	0.2 °C at 20°C
Temperature Variation	± 0.5 °C at 20°C
Humidity Range	0 $\frac{1}{2}$ – 98%
External Dimensions (mm)	1075 × 635 × 660
Internal Dimensions (mm)	590 × 510 × 490
Shelves	4 Holds 6 x 39-1100 moulds
Shelf Capacity	15 kg
Input Power	800 Watt
Weight	195 kg

Spares/Consumables



Replacement Circular Charts

Code: [39-1300/10](#)



ADR-Auto V2.0 250/25 Cement Machine C/W Compression and Flexural Jigs and Platen Sets

Code: 39-6160/06

Product Group: [Activity Index](#), [ADR-Auto V2.0 250/25 Compression Machine](#)

- 250 kN maximum capacity
- Calibration accuracy to BS EN ISO 7500-1; ASTM E4
- Automatic loading cycle
- 25 kN low capacity frame supplied as standard
- Tests a wide variety of specimen sizes
- Tests mortar, lime, cement and Fly Ash
- Complete with compression/flexural jigs and platen sets
- Supplied with Windows(R) download software as standard

The ADR-Auto 250/25 Machine provides consistent automatic testing of a wide range of specimens. The machine comprises a standard ELE 250/25 kN load frame and ADR-Auto console and incorporates all the features included in the ADR-Auto series concrete testing machines.

As standard the machine is supplied with platens fitted to the load frame, compression jig with 40 mm and 50mm/2 inch square platen sets and flexural jig for testing 40.1 x 40 x 160 mm prisms.

The availability of the 25 kN low capacity load frame as standard extends the test capability of the machine for low strength compression or flexural testing. The automatic loading cycle is controlled by a closed loop microprocessor hydraulic system incorporated with the display in the ADR-Auto console attached to the load frame. A serial output port is built into the system, enabling test data to be stored in memory (up to 500 test results) for subsequent downloading to PC or suitable printer.

Standards

EN 196-1, EN 459-2, EN 1744, EN 1015-11, EN 13454-2, BS 3892-1, BS 4551-1, ASTM C109

Further Information

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

For 220-240 V AC, 60 Hz, 1 ph.



Wire Brush

Code: [81-0705](#)

Product Group: [Accessories for Concrete Moulds,](#)
[Miscellaneous Laboratory Hardware](#)

Further Information

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



Mould Oil (25 Litre Drum)

Code: [82-7341](#)

Product Group: [Chemicals, Test and Reference Materials, Accessories for Concrete Moulds](#)

Further Information

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



Mortar Sand

Code: [39-1170](#)

Product Group: [Moulding of Prisms](#)

Graded pack for 3 prisms. 1350g pack.

Standards

EN 196-1, EN 413-2, EN 459-2, EN 1744-1, EN 1015-10, EN 1015-11, EN 13454-2, ISO 679, BS 3892-1, BS 4551-1

Further Information

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



Vicat Frame

Code: [38-2010](#)

Product Group: [Vicat Method](#)

Complete with consistency plunger, 10 mm diameter.
Requires one initial or final set needle to make up test weight to 300g.

Standards

EN 196-3, EN 13454-2, ASTM C187, ASTM C191

Further Information

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

Spares/Consumables



Consistency Plunger

Code: [38-2010/10](#)



EN Initial and Final Set Needle

Code: [38-2110](#)

Product Group: [Vicat Method](#)

1.13mm diameter and 1.13mm diameter with special footing.

Standards

ASTM C187, ASTM C191

Further Information

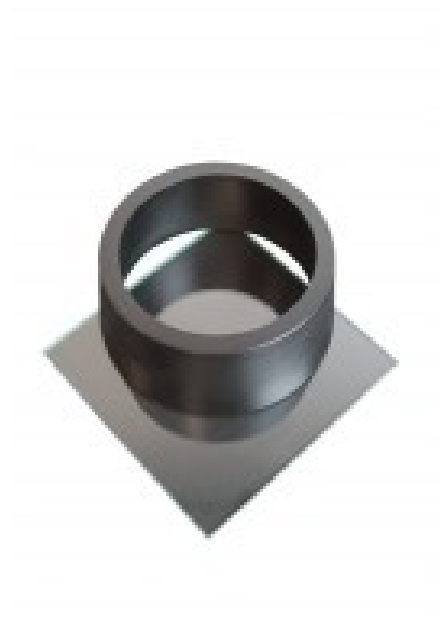
NOT AVAILABLE FOR SALE IN THE USA

Spares/Consumables



Consistency Plunger

Code: [38-2010/10](#)



EN Vicat Mould

Code: [38-2300](#)

Product Group: [Vicat Method, Automatic Vicat](#)

Accessory: manufactured from a hard rubber compound and supplied complete with a glass base plate.

Standards

EN 196-3

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Spares/Consumables



Consistency Plunger

Code: [38-2010/10](#)



Automatic Vicat Apparatus

Code: [38-2015/01](#)

Product Group: [Automatic Vicat](#)

Complete with EN and ASTM Initial and Final needles, Consistency Plunger, Windows(R) software and RS232 cable, 1 x EN and ASTM Mould and Glass Plate. Suitable for continuous use in saturated humidity, at a controlled temperature of $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$.

Standards

ASTM C187, ASTM C191

Further Information

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

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

Spares/Consumables



ASTM Initial and Final Set Needle

Code: [38-2023](#)



Consistency Plunger

Code: [38-2015/16](#)



EN Initial and Final Set Needle

Code: 38-2021



Mould Tank

Code: [38-2015/15](#)

Product Group: [Automatic Vicat](#)

Accessory: for testing samples under water as per EN 196-3, for use in temperature controlled laboratories.

Standards

ASTM C187, ASTM C191

Further Information

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



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



Extensibility of Mould Apparatus EN

Code: 38-3205

Product Group: General Expansion of Dry Hydrated Lime by the Le Chatelier Method

Conforms to EN196-3, 459-2. The unit comprises a metal sleeve with a hook and set screw to fit over one of the mould pointers, and a clamp to fit onto the other pointer of the mould. Supplied complete with one weight 300 g $\pm$ 1 g.

Standards

EN 196-3

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****



Spatula 200 mm

Code: [81-0140](#)

Product Group: [Spatulas, Determination of Plastic Limit](#)

Further Information

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



Trowel - Gauging

Code: [81-0335](#)

Product Group: [Trowels and Floats](#)

Further Information

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



Glass Plate.

Code: [24-0430](#)

Product Group: [Determination of Plastic Limit,](#)
[Casagrande Method, Moulding of Prisms](#)

500 mm square x 10 mm thick.

Standards

BS 1377, EN 1997-2



200mm Dia BS Sieve 90 Mic Stainless Steel Mesh.

Code: [79-0090](#)

Product Group: [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#)

Standards

BS 410, ISO 3310

Further Information

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



200 mm Diameter Receiver

Code: 79-0020

Product Group: Sieve Lids and Receivers ISO and BS, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410, ISO 3310

Further Information

NOT AVAILABLE FOR SALE IN THE USA



200 mm Diameter Lid

Code: 79-0010

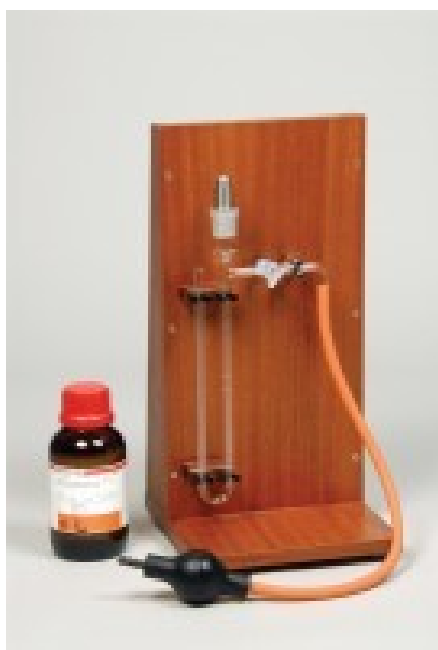
Product Group: Sieve Lids and Receivers ISO and BS, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410, ISO 3310

Further Information

NOT AVAILABLE FOR SALE IN THE USA



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).

Spares/Consumables



Blaine Air Permeability Cell

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



Filter Paper

Code: [38-0652](#)



Manometer U-tube

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



Manometer Liquid

Code: 38-0620

Product Group: [Determination of Fineness Blaine Apparatus](#), [Blaine Fineness Apparatus](#)

Accessory: (Dibutylphthalate). 300ml bottle.

Standards

EN 196-21, ASTM C204



Filter Papers

Code: [38-0650](#)

Product Group: [Determination of Fineness Blaine Apparatus](#)

Accessory: 12.7mm diameter. Box of 100.

Standards

ASTM C204

Further Information

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



Reference Cement

Code: [38-0640](#)

Product Group: [Blaine Fineness Apparatus](#),
[Determination of Fineness Blaine Apparatus](#)

Accessory: 10g sachet.

Standards

ASTM C204, AASHTO T153



50ml Density Bottle with Perforated Stopper.

Code: [24-2900](#)

Product Group: [Particle Density: Pyknometer Methods](#)

Supplied complete with capillary vent stopper.
Conforms to BS 733, and ISO 3507. Gay-Lussac type.

Standards

ASTM C128, AASHTO T84



Chattaway Spatula 125 mm

Code: [81-0180](#)

Product Group: [Spatulas](#)

Further Information

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



Filter Pump

Code: [82-7700](#)

Product Group: [Vacuum Pumps](#)

Further Information

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

Specification

Construction	Moulded plastic body
Ultimate vacuum	12 to 15 torr (12 to 15 mm Hg)
Water supply pressure required	14 kPa
Weight	200 g



Rubber Tubing

Code: [81-0375](#)

Product Group: [Vacuum Pumps, Rubber Tubing](#)

Further Information

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



Dessicator - Vacuum

Code: [82-2170](#)

Product Group: [Dessicators](#)

280 mm internal diameter, soda glass. Supplied with perforated zinc disc and stopcock.

Further Information

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



Safety Cage

Code: [82-2180](#)

Product Group: [Dessicators](#)

For 82-2170.

Further Information

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



Silica Gel

Code: [82-7091](#)

Product Group: [Chemicals, Test and Reference Materials](#)

Coarse. No hazard. 500 g.

Further Information

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



Funnel

Code: [82-2660](#)

Product Group: [Funnels and Flasks](#)

Polythene, 200 mm diameter.

Further Information

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



Water Bath - 12 litres

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

Product Group: [Water Baths](#)

Further Information

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

Specification

Capacity	12 litres
Working area	210 x 300 mm
Tray	Yes
Max Water Depth	130 mm
Controller	Digital
Temperature range and stability °C	0 to 99.9 ± 0.1
Electrical supply	220 – 240 V AC, 50 - 60 Hz, 1 ph
Rated power kW	1.5
Weight	8.1 kg



Electronic Balance - 450 g x 0.001 g

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

Product Group: [Electronic Balances](#)

Further Information

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

Specification

Capacity resolution	450 g x 0.001 g
Pan size	125 x 125 mm
Mains and battery	No
Dimensions (l x w x h)	300 x 205 x 90 mm
Weight	6 kg