

Your Provider Of High Quality Material Testing Equipment

If It's Worth Building, It's Worth Testing

June 2025

Software and testing – how should it be used in material testing? ELE has a large range of equipment, both manual and automated. In test labs a majority of the equipment is automated to ensure swift, consistent, repeatable results. In colleges, training centers and universities there tends to be a mix of manual equipment and automated. It's important for students to understand the test process before switching to an automated process. With both manual and automated testing ELE provide software options, to both direct the test, for example steps in a TriAxial test or to provide automatic results from the ELE Automatic Soil Consolidator. Our latest blog goes into more detail, please check the link below.

[Click Here](#)

With summer arriving in the UK temperature monitoring is essential. Our new Auto Blaine and Auto Vicat machines both have inbuilt temperature probes to ensure testing is carried out within the specified temperature range



Auto Blaine

[Know More](#)



Auto Vicat

[Know More](#)

This month, ELE International was proud to be part of **The Big 5 Construct Egypt**, one of the region's leading construction industry events. Our presence at the show highlighted ELE's commitment to supporting infrastructure growth across North Africa and the Middle East. With a strong turnout, productive conversations, and great interest in our materials testing solutions, the event was a resounding success. A sincere thank you to all who visited the stand—we look forward to building on these connections in the months ahead.



Finally, I would just like to share the sad news of the passing of one of our former colleagues, Mr Afif Abu-Rish. Afif travelled all over the globe representing ELE, a friend to many around the world, we would like to pass on our sincere condolences to his family and friends.

We are always ready to support your requirements and receive feedback on our services – please call on **+44 (0) 20 7193 6027** or send an email to ele@eleint.co.uk

New Arrivals Into Stock

Range of compression machine frames including



Penetrometer

Product code: 46-5290

Category: Bitumen and Tar, Asphalt

[Explore More](#)



ADR Touch SOLO 2000 Semi-Automatic Compression Machine

Product code: 36-3090/01

Category: Compression Machines

[Explore More](#)



Concrete Mixer

Product code: 34-3540/01

Category: Fresh and Hardened Concrete Testing

[Explore More](#)



DSU Data Recorder

Product code: 27-1300/01

Category: Data Logging, Software and Electronic Instrumentation

[Explore More](#)

Product Focus

CBR-Test 50 Machine – 50 kN Capacity (BS & ASTM Versions)

Product code: 24-9150/01, 24-9150/02, 24-9150/06

Category: EN 13286-47, BS 1377-4, ASTM D1883, AASHTO T193

Product Overview

The CBR-Test 50 Machine is a precision-engineered bench-mounted unit designed to perform laboratory CBR (California Bearing Ratio) tests in accordance with BS, EN, ASTM and AASHTO standards. With a compact footprint and robust twin-column design, this machine incorporates a motorised drive system and rapid platen adjustment, making it an ideal solution for soil strength evaluation in civil engineering laboratories. Supplied with a stabilising bar, it ensures consistent axial alignment and reliable load application.

Key Highlights:

- Motorised Operation:** Single-speed system with controlled platen travel for consistent CBR testing.
- Rapid Platen Adjustment:** Enables quick daylight setting and seating load control.
- Compact Bench Design:** Saves space while offering robust lab performance.
- Stabilising Bar Included:** Ensures precise specimen alignment during testing.
- Flexible Measurement Options:** Compatible with both mechanical and electronic data capture systems.
- Standards-Compliant Testing:** Certified for use with BS, EN, ASTM, and AASHTO protocols.



Technical Overview

Feature:	Specification:
Dimensions (L x W x H)	550 x 400 x 1220 mm
Max Vertical Clearance	800 mm
Horizontal Clearance	255 mm
Platen Diameter	133 mm
Platen Travel	105 mm
Weight	80 kg
CBR Penetration	Yes

Power Supply Options:

- 24-9150/01 – 220 V AC, 50 Hz
- 24-9150/02 – 110–120 V AC, 60 Hz
- 24-9150/06 – 220–240 V AC, 60 Hz

Recommended Accessory

- Stabilising Bar – Product Code: 24-917

For further information contact us at

ELE International, 12 Carters Lane, Kiln Farm, Milton Keynes, MK11 3ER

Email: ele@eleint.co.uk

Tel: +44 (0) 20 7193 6027

