



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

This wishlist was generated on 05/08/2016, and contains the following Products:

38-6040

Flow Mould

45-6750/01

Gyratory Compactor to EN 12697-31, 10, ASTM D6925, SHRP M-002, AASHTO T312, inc. PC 220-240V 50Hz

36-4125/02

ADR-Auto V2.0 2000 Standard Compression Machine



Flow Mould

Code: [38-6040](#)

Product Group: [10" Flow Table, Flow and Workability of Mortar Lime](#)

Manufactured from bronze as specified in BS and ASTM.

Standards

ASTM C230



Gyratory Compactor to EN 12697-31, 10, ASTM D6925, SHRP M-002, AASHTO T312, inc. PC 220-240V 50Hz

Code: 45-6750/01

Product Group: [Gyratory Compaction](#)

One of the best methods of laboratory compaction is considered to be Gyratory for not only the material's assessment of compactibility, but also the production of test samples. The method achieves this by the application of a vertical stress, typically 600 kPa via platens to a mass of asphaltic mixture inside a 100 or 150mm diameter mould. Whilst platens are kept parallel and horizontal, the longitudinal axis of the mould is gyrated at a fixed angle to the vertical axis.

During the test process, the height of the specimen is measured automatically and the mixture density and void content are calculated.

Compaction data is displayed in real time (graphical and tabular) and is available for download to MS Excel(tm) The operator has the ability to choose whether to compact for a certain number of gyrations or until a target mixture density or void content is achieved.

Further Information

Features:

- Full compliance to EN 12697 part 10 and 31
- Configurable to comply with SHRP Superpave
- Both 150mm and 100mm moulds can be tested without any modification
- Automatic mould insertion and retraction
- Cold mix (emulsion) materials can be compacted, with fluid collection facility
- Data acquisition and control via host desktop PC
- Export compaction data to MS Excel(tm)
- UKAS traceable factory calibration
- Can accept moulds up to 300mm in height

Product Specification:

- High stability steel frame with low flex and distortion
- A 95mm pneumatic cylinder
- Safety gates with interlock
- Specimen table
- Accurate stress control via high precision regulator
- High quality inverter for accurate speed control
- Specimen height measurement via linear potentiometer
- Highly durable wheels for ease of movement
- 16bit control and data acquisition
- PC included

Software:

- User-friendly, intuitive and reliable Windows(tm) software
- 2 methods of compaction - no. of gyrations and target density
- User guided step-by-step through compaction
- Real-time display of current height, density and void content
- Software communicates with the gyratory compactor via USB interface
- Utilities are included for transducer check, diagnostic routines and calibration

Specification

| | |
|-----------------------|----------------------------------|
| Stress | 600 kPa nominal, 1000 kPa Max |
| Mixture types | Wet and Dry |
| Machine speed | 30 rpm |
| Angle of gyration | 0.2 to >2° |
| Electrical supply | 220-240 V 50Hz (16 amp) |
| Sample sizes | 100 and 150 mm dia |
| Compressed air supply | 7-10 bar, 350 L p/m |
| Dimensions (WxHxL) | 790 x 995 x 1920 |



ADR-Auto V2.0 2000 Standard Compression Machine

Code: 36-4125/02

Product Group: [General Purpose Compression Machines](#)

ADR-Auto V2.0 2000 Standard supplied complete with safety gates ready for testing 300 x 150 mm diameter cylinders. When used for cube testing distance pieces of the appropriate size must be ordered separately.

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 ISO 7500-1, ASTM E4 |
| Capacity | 2000 kN |
| Cubes (Concrete) | Up to 150 mm |
| Cylinders (Concrete) | Up to 160 x 320 mm |
| Blocks | n/a |
| TFV and ACV | Yes |

Product Sheet

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



| | |
|---------------------|----------------------|
| Voltage Supply | 110-120V 60Hz 1Ph |
| Frame Type | Welded |
| Max vert. Clearance | 341 mm |
| Max hor. Clearance | 326 mm |
| Platen Sizes | Lower , Upper 222 mm |
| Max Ram Travel | 51 mm |

Spares/Consumables



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

Code: [6014A0062](#)