

<u>ELE Superpave Gyratory Compactor - 45-6750/01</u>
<u>Standards:</u>
SHRP M-002, AASHTO T312 (TP4), ASTM D6925, T 0736-2011, EN 12697-10, EN 12697-31
<u>Features and Benefits</u>
20mm thick side plates, heavy-duty tie bars and an extra rigid frame
There is no requirement to make any changes to the machine when changing between 100 mm diameter and
Automatic loading and unloading of samples
Sample temperature during compaction
Cooling facility and holding force for ground tyre asphalt mixtures
50/60HZ compatible no change parts, inverter controlled.
Built in remote diagnostics
Air filter regulator and oil separator included as standard
In built extruder for ease of operation – manual (hydraulic) or auto (pneumatic)
Internal angle of gyration should be 0.2 to >2°
Speed variable between 0 – 60rpm
Stress from 600 to 1000 kPa
High quality SMC Actuator with 250mm stroke
Compressed air supply 7-10 bar, 350 Litres per minute
Should use industria inverter for accurate speed control
PLC for control and data acquisition
Linear potentiometer for specimen height measurement with 300mm stroke
Supplied with software to display results in real time and allow 2 methods of compaction – number of gyration
TCP/IP link and USB for control system
Desktop PC included with the machine
Machine to be calibrated to UKAS traceable standard
Remote access for diagnostics
CE safety gates with interlock
UK product offering
<u>Accessories</u>
45-6710 Specimen extruder
45-6750/18 Shear force display
45-6750/19 Specimen Temperature Measurement
45-6750/12 150mm Dia mould & platens
45-6750/10 100mm Dia mould & platens
45-6750/26 Spacer 150mm to compact 63mm height on 45-6750
45-6750/25 Spacer 100mm to compact 63mm height on 45-6750
45-6750/22 150mm filter papers (pack of 100)
45-6750/24 100 mm filter papers (pack of 100)
<u>Documentation</u>
Product user manual
Product brochure
Certificate of calibration

