

Troxler Model 5850 SuperPave™ Gyrotory Compactor



New and Improved

The Model 5850 is Troxler's newest Superpave™ Gyrotory Compactor and the most advanced, easiest to use gyrotory compactor on the market today. Completely redesigned with improved electronics, a hydraulic motor and software adjustable angle of gyration, the durable 5850 will consistently stand up to the rigors of any asphalt lab.

Easy to Use

The Model 5850 is calibrated and ready to use upon arrival. The unit will compact asphalt samples to a specific height or a specific number of gyrations, and the angle of gyration is recorded with every gyration, assuring the operator of the angle stability. If the angle needs to be adjusted, this is done quickly and easily using the keypad. Storage of 20 tests, a large backlit screen and a USB port for printing and downloading test data make the Model 5850 the most user-friendly SGC on the market.

Simple Performance Test and Shear Capable

With the 5850, you can compact samples as tall as 185mm, allowing you to perform simple performance tests. The 5850 also offers a shear option, either before or after purchase. This optional feature includes several transducers that measure the shear forces acting on the specimen during gyration.

The Best Gyrotory Compactor on the Market

The lighter weight, smaller footprint, portability, stiff frame, robust electronics and quiet operation of the Model 5850 add to the list of the improved features the operator will enjoy when using Troxler's newest Superpave™ Gyrotory Compactor. As the paving industry evolves count on Troxler to keep you up-to-date.

Meets the following worldwide standards:
AASHTO T312 (USA), ASTM D6922 (USA), EN 12697-31 (European Union)

Troxler is a proud member of:



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Specifications

The Model 5850 meets all SuperPave and FHWA criteria.

- Power Requirements
 - 115VAC(+/-10%), 15AMP, 60HZ
- Size
 - 174cm H x 78.7cm D x 68cm W (68.5" x 31" x 26.75")
- Weight
 - Approximately 227Kg (500lbs)
- Consolidation Pressure
 - 90 – 1000kPa
- Angle of Gyration
 - Adjustable from 0° to 1.5° Internal or External
- Speed of Gyration
 - 30+/- .5 gyrations/minute
- Number of Gyration
 - Adjustable 1 to 999
- Mold Dimensions
 - 150.0mm +/- 0.0/0.1mm ID x 317.5 mm height (100 mm and 4 in. ID also available)
 - 50.0mm minimum specimen height
 - Maximum Mold Temperature 175° C
- Modes of Operation
 - Compact to number of gyrations
 - Compact to specified height
- Data Acquisition
 - Gyration number, Specimen height (to nearest .1mm)
 - Angle of gyration, Shear value (optional)
- Data Output
 - USB and RS232 to upload to printer, computer or removable drive
- Unit of Measure
 - SI Units
- Internal Data Storage
 - Results from 20 tests stored in memory

Standard Accessories

- 1 mold
- Specimen papers
- Printer & printer cable
- Operator Manual
- Gravity Extruder
- Magnalube and applicator brush
- Standard Height Block
- Serial cable
- USB cable
- Power Cord

Optional Accessories

- Extra Mold(s)
- Pressure Verification Kit
- Power Transformer (International Customers)
- DAV II

Troxler also offers the Gyrotory Shear Kit, a device developed by Dr. Hussain Bahia of the University of Wisconsin that turns any gyrotory compactor into one with Shear Measurement capabilities.