

Troxler Model 5850v2

Superpave Gyrotory Compactor



The Most User-Friendly Gyrotory Compactor on the Market

Prepare and Compact Specimens Faster

The Model 5850v2 combines the largest workspace of any gyrotory compactor with an integrated specimen cooling rack and built-in extruder into an easy-to-operate machine. With the ability to compact a specimen while another is being extruded and no complicated system of latches and levers to secure the specimen mold, it allows the operator to prepare and compact a specimen faster than any other piece of equipment on the market.

No Lifting of Loaded Molds Required

A built-in specimen extruder eliminates the need to lift heavy loaded molds. Samples are prepared, extruded, and cooled right on the gyrotory compactor.

Space-Saving Design

Given the variety and number of tests run in busy asphalt laboratories, the amount of space a piece of equipment occupies and its mobility are important features. The Model 5850v2's 4.5-square foot footprint is 38 percent smaller than that of its leading competitor. This and its durable caster wheels make it a versatile and unobtrusive asset to any work space.

Significant Return on Investment

The Model 5850v2's rugged, unique design provides a significant return on your investment. Its low-maintenance hydraulic power unit greatly simplifies its maintenance (when compared with that required by electromechanically driven compactors).

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Standard Accessories

- An integrated specimen extruder
- A Universal Serial Bus (USB) printer and cable
- A height-standard block
- Magnalube® lubricant and an applicator

Optional Accessories

- Molds
- Emulsion molds
- A drain kit for cold-mix asphalt, warm-mix asphalt, emulsions, roller-compacted concrete (RCC), and soils
- A pressure verification kit
- An integrated shear measurement kit
- A Dynamic Angle Verification (DAV) II with Hot Mixed Simulator (HMS) internal angle measurement kit

Measurement Specifications	
Angle of Gyration	0 to 3 degrees \pm 0.02 degrees via software
Consolidation Pressure	90 to 1,000 kPa
Speed of Gyration	30 \pm 0.5 rotations/minute (fixed)
Specimen Height	1.97 to 10.83 in (50 to 275 mm)
Operation Modes	Compact to gyrations Compact to target height
Mold Sizes	3.94 in (100 mm), 5.91 in (150 mm)
Mold Height	12.5 in (318mm)
US Standards	AASHTO T 312, ASTM D6925
International Standards	EN 12697-31
Mechanical Specifications	
Length	28 in (71.12 cm)
Width	26.5 in (67.31 cm)
Height	64 in (162.56 cm)
Weight	500 lb (226.8 kg)
Portability	Four EZ Roll industrial casters
Data Acquisition and Output	
Data Acquisition	Gyration number, specimen height, angle of gyration
Data Output	GyroPave™ software (Microsoft® Windows® compatible), RS-232 serial port, USB flash drive, USB printer
Internal Storage	Results from twenty tests in memory
Electrical Specifications	
Power Requirements	115/230 VAC (\pm 10%) 15 A 60 Hz

Made in USA



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