

Fast Take

- Lightest Superpave Gyratory Compactor (only 304 lbs!).
- Easily transported in small truck or minivan.
- Rugged industrial electronics.
- Very few moving parts.
- Strong tubular construction to keep gyratory angle constant.



lightweight

[Brovold Gyratory Compactor]

The lightweight Superpave Gyratory Compactor designed for contractors on the move.

portable

Lightweight but powerful

Available only from Pine, the Brovold Gyratory Compactor is a completely self-contained SGC that weighs only 350 pounds. Just roll it into the bed of a pickup truck or ordinary minivan to take it anywhere. It's portable enough for on-site testing and mobile labs, whether you are doing mix design work or production QC/QA.



Built-in mold angle verification

The Brovold Gyratory Compactor measures the mold angle dynamically during compaction. A two-point angle measurement system records the mold angle once per gyration. Throughout the entire compaction process, the angle is displayed on the screen along with the consolidation pressure, gyration number, and specimen height. The Brovold compactor's rigid tubular design and patented method of inducing gyratory motion from within the mold itself ensure an accurate angle every time.

PINE Instrument Company

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**Road tested performance.
Time tested service.**

exclusief verdeler: ABM Asfalt- en Betontechniek B.V. Middelblok 134 NL-2831 BP Gouderak Tel: +31(0)182-303160 www.abmbv.nl

Easy compaction, easy extrusion

An integrated industrial computer carries out compaction of the specimen from start to finish. You simply enter the compaction parameters, lower the prepared mold into the compaction chamber, secure the gyratory head, and press Start. The computer then applies the consolidation pressure, induces the angle, and begins gyrating the mold. During compaction, the specimen height is recorded once per gyration. And extrusion of the specimen after compaction is a snap—the same hydraulic ram that compacts the specimen is used to extrude the specimen out of the top of the mold.

Complete data management

During compaction, the specimen height can be sent (once per gyration) to a printer or directly to a computer through the serial port. In addition, the Brovold Gyratory Compactor internally stores results from the 10 previous tests, marking each set of results with the date and time. Results from these earlier tests can be viewed on screen, sent to a printer, or transferred to a computer at a later time as needed.

Superpave software

With each purchase of a Pine SGC, you receive a copy of our popular Pine-Pave mix design software. Pine-Pave pulls the entire Superpave mix design process together into a set of easy-to-use Microsoft Excel workbooks. The software helps you every step of the way, from aggregate blending to SGC data collection to optimal binder content. And when you are finished, Pine-Pave produces a set of professional reports summarizing your mix design.

Quiet operation

The Brovold Gyratory Compactor is so quiet you'll hardly notice when it is running. The gyratory motion involves very few moving parts, and the compaction effort is supplied by a nearly silent hydraulic system.

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Specifications

Consolidation Pressure — 300 to 1000 kPa
(± 18 kPa at 600 kPa)

Angle of gyration — factory set at 1.25°
(± 0.02; ° external mold angle)

Rate of gyration — 30 rpm (± 0.5 rpm)

Number of gyrations — 0 to 299

Recorded data — specimen height vs. number of gyrations

Data output — RS232 serial port (for connection to PC or optional serial printer)

Extruder — built-in extruder permits specimen removal without removing mold from compactor

Molds — one mold size (150 mm) is available.

Internal Diameter	150 mm
Overall Mold Height	280 mm
Available Mold Height*	230 mm
Minimum Specimen Height	50 mm
Maximum Mold Temperature	200 °C

* the combined height of all materials placed in the mold prior to compaction may not exceed the Available Mold Height

Modes of operation — compact to number of gyrations or to specimen height

Power — two power configurations are available as follows:

	Line Voltage	Current	Frequency
AFGB1A	115 VAC	15 A	60 Hz
AFGB1C	230 VAC	10 A	50 or 60 Hz

Dimensions — 55.4" (141 cm) H x 30.0" (76 cm) W x 21.3" (54 cm) D

Weight — assembled, not including mold: 304 lb. (138 kg)



Get Pine on the line: discuss the Brovold Gyratory with a Pine Instrument Company expert; call 724-458-6391.