

GYRATORY COMPACTOR



STANDARD

UNIEN 12697-10 UNIEN 12697-31 ASTM D6925 AASHTO T312

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The Gyratory Compactor HTHY XY170 is used to simulate and reproduce the real compaction conditions under the actual road paving operation, so as to determine the compaction properties of the asphalt.

The Gyratory Compactor HTHY XY170 realizes this compaction in a fully automatic manner by combining the rotary action and the vertical force applied by the mechanical head.

Use high-hardness and high-quality steel as the frame to ensure precise angle control. Load is applied by an electro-pneumatic cylinder, servo-controlled by a precision pressure regulator; the height is measured by a linear transducer. Gyratory motion is generated by an eccentric high precision system allowing an easy set up with precision and constant angle of gyration.

The measurement results can be used to analyze the volume and mechanical properties of the asphalt mixture.

FEATURES

- ◎ Use high-hardness and high-quality steel as the frame to ensure precise angle control.
- ◎ Electro-pneumatic action with servo-controlled regulator.
- ◎ The control system can be directly connected to the computer, through the port the computer can display various curves and charts, and realize the undisturbed connection with the touch screen, and jointly control the equipment.
- ◎ The touch-screen icon interface allows an easy set up of the parameters and immediate automatic execution of the test, data acquisition, processing, graphics and file.
- ◎ 1 USB port
- ◎ Integrated built-in stripper.
- ◎ Heating and heat preservation (optional) can be carried out on the rotating work area of the specimen.
- ◎ It can be used for compaction test of emulsified asphalt and cold recycled mixture.



