

AUTOMATIC MARSHALL TESTING MACHINE (4" & 6")



The **B9130** test press is specifically designed to perform Stability-Flow measurements required by the Pennsylvania Highway Department in the "Marshall Control" program. The test press is designed so that very little service is required. The test press is certified to be accurate to within 1% of load reading from 500 lbs to 10,000 lbs under the ASTM E-4 procedure. Testing machine has three load ranges 2,500 lbs, 5,000 lbs and 10,000 lbs and will test 4" and 6" dia. specimens.

MODELS	DESCRIPTION	STANDARDS
B9130	AUTOMATIC MARSHALL TESTING MACHINE (4" & 6")	ASTM D-1559 / AASHTO T-245

ACCESSORIES	DESCRIPTION
B9114	6" MARSHALL STABILITY BREAKING HEAD W/ GUIDES
B9115	4" MARSHALL STABILITY BREAKING HEAD W/ GUIDES
B9116	4" LOTTMAN BREAKING HEAD
B9116L	6" LOTTMAN BREAKING HEAD
B9191	WATER BATH, 110V / 60 Hz
B9192	WATER BATH, 220V / 50 Hz
B9195	WATER BATH W/ COOLING COIL, 110V / 60 Hz
B9196	WATER BATH W/ COOLING COIL, 220V / 50 Hz

AUTOMATIC COMPACTOR, SINGLE UNIT

This single mold automatic compactor is used to prepare bituminous samples. Because it is mechanized, many of the errors incurred with hand compaction methods are eliminated. The compactor utilizes a constant surcharge weight that is applied to the hammer foot during compaction. The hammer foot is held squarely against the specimen at all times. The mold is held by a spring loaded clamp ring and can be easily removed. The compactor is available in both 110V/60Hz and 220V/50Hz models (please specify model needed). Compactor comes with counter, pedestal, and 1 mold.



MODELS	DESCRIPTION	STANDARDS
B9131	AUTOMATIC COMPACTOR, SINGLE UNIT, 110V / 60 Hz	ASTM D-1559 / AASHTO T-245
B9132	AUTOMATIC COMPACTOR, SINGLE UNIT, 220V / 50 Hz	

ACCESSORIES	DESCRIPTION
B9101	4" MOLD
B9141	FLAT FACED HAMMER
B9142	COUNTER

AUTOMATIC COMPACTOR, DUAL UNIT

This compactor has the same basic design as the **B9131** and **B9132** except that it provides duplicate specimens that are compacted simultaneously. This enables the operator to compare results. Temperature variation is eliminated, because of simultaneous compaction, which provides increased accuracy. The molds are rotated throughout the process to produce a modified kneading action. The apparatus automatically compacts the samples at a preset definite number of hammer blows, upon completion the unit will automatically shut off. Compactor is furnished with 2 molds, counter, and pedestal. The compactor is available in both 110V/60Hz and 220V/50Hz models (please specify model needed).



MODELS	DESCRIPTION	STANDARDS
B9135	AUTOMATIC COMPACTOR, DUAL UNIT, 110V / 60 Hz	ASTM D-1559 / AASHTO T-245
B9136	AUTOMATIC COMPACTOR, DUAL UNIT, 220V / 50 Hz	

ACCESSORIES	DESCRIPTION
B9139	4" MOLD, ROTATING BASE
B9142	COUNTER
B9143	EXTRA HAMMER W/ TAPERED FOOT
B9145	FOOT, BEVELED
B9166	COMPACTION PEDESTAL

AUTOMATIC COMPACTOR, TRIPLE UNIT

This compactor is similar to the **B9135** and **B9136** compactors except that it prepares three specimen samples. The compactor is available in both 110V/60Hz and 220V/50Hz models (please specify model needed). Compactor furnished with 3 molds, counter, and pedestal.



MODELS	DESCRIPTION	STANDARDS
B9137	AUTOMATIC COMPACTOR, TRIPLE UNIT, 110V / 60 Hz	ASTM D-1559 / AASHTO T-245
B9138	AUTOMATIC COMPACTOR, TRIPLE UNIT, 220V / 50 Hz	

ACCESSORIES	DESCRIPTION
B9139	4" MOLD
B9142	COUNTER
B9143	EXTRA HAMMER W/ TAPERED FOOT
B9145	FOOT, BEVELED

AUTOMATIC COMPACTOR, (4" & 6" SPECIMENS)

The **B9147** single mold mechanical compactor can prepare either 4" or 6" compacted asphalt specimens for Marshall testing. The compactor has a bevelled foot on the hammer mechanism and a mold that rotates throughout the compaction process producing a modified kneading action. A redesigned automatic counter can be preset for the number of blows required and will turn off the machine when that number has been reached. After the number of blows has been set, the operator can start the machine with a push-button and keep track of the number of blows on an LCD readout. There is a switch located inside the cover which can operate the compactor on either 115V/60Hz or 220V/50Hz. A cam action lever operates the integral mold holder to facilitate insertion and removal of the stability mold. The compactor is furnished with the automatic counter, 4" hammer assembly, 4" stability mold, and a pedestal. The **B9147R** is the same unit as the **B9147** except that it has a rotating base.



MODELS	DESCRIPTION	STANDARDS
B9147	AUTOMATIC COMPACTOR, 4" & 6", 115-220V / 50-60 Hz	ASTM D-1559 / AASHTO T-245
B9147R	AUTOMATIC COMPACTOR, 4" & 6", ROTATING BASE	

ACCESSORIES	DESCRIPTION
B9101	4" MOLD FOR NON ROTARY BASE
B9149	6" HAMMER ASSEMBLY
B9139	4" STABILITY MOLD FOR ROTARY BASE
B9145	6" MOLD W/ COLLAR AND BASE

AUTOMATIC COMPACTOR, SINGLE UNIT (4")

The **B9151** & **B9152** single unit automatic compactor is similar to the **B9131**. The compactor is used to prepare 4" specimens of bituminous samples. Since it is mechanized, many of the errors incurred with hand compaction methods are eliminated. The compactor utilizes a constant surcharge weight that is applied to the hammer foot during compaction. The hammer foot is held squarely against the specimen at all times. The mold is held by a spring loaded clamp ring and can be easily removed. Another feature is the counter which automatically stops the compactor after a predetermined number of strokes. The compactor is available in both 110V/60Hz and 220V/50Hz models (please specify model needed). Compactor is furnished with counter and pedestal.



MODELS	DESCRIPTION	STANDARDS
B9151	AUTOMATIC COMPACTOR, 4", 110V / 60 Hz	ASTM D-1559 / AASHTO T-245
B9152	AUTOMATIC COMPACTOR, 4", 220V / 50 Hz	

ACCESSORIES	DESCRIPTION
B9101	EXTRA 4" MOLD
B9155	HAMMER FOR 4" MOLDS
B9161	EXTRACTOR FOR 4" MOLDS
B9162	HYDRAULIC EXTRUDER FOR 4" MOLDS
B9163	HYDRAULIC EXTRUDER FOR 4" & 6" MOLDS
B9165	PEDESTAL W/ STEEL PLATE