**Heavy-Duty, Automatic Single Compactor with Rotating Mold**

The Humboldt Automatic Marshall Compaction Machine is designed to provide a stable and rigid mechanism for producing 4” or 6” diameter asphalt pills used in Marshall tests. The heavy-duty design stands up well to the constant jarring caused by the compaction process. The Humboldt Compaction Machine features a rotating mold mechanism and a hammer with a beveled foot, which together produce a kneading action when producing test pills.

The machine’s automatic counter allows the operator to preset the number of blows wanted and will turn off the machine when completed. 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 LED readout.

The counter can be operated on either 115V/60Hz or 230V/50Hz, switchable inside the cover. A cam-action lever operates the integral mold holder to facilitate insertion and removal of the stability mold.

Machines can be ordered as 4” or 6” machines, but can be altered to easily accommodate the other size by purchasing a hammer and test molds of the desired size. Each machine includes: the mechanical compactor, an automatic counter, tapered-foot hammer assembly for rotating mold models or a flat-foot hammer assembly for the stationary mold models, (1) stability mold, and (1) package of paper discs. Shipping wt. 400 lbs. (181.4kg). Complies with ASTM D6926, D5581, AASHTO T245 and PTM705

### Heavy-Duty, Automatic Single Compactor with Rotating Mold

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<tr>
<td>For 4” diameter specimens. 115V 60Hz</td>
<td>H-1364R</td>
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<tr>
<td>For 6” diameter specimens. 115V 60Hz</td>
<td>H-1366R</td>
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<tr>
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<td>H-1364R.2F</td>
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### Heavy-Duty, Automatic Single Compactor with Stationary Mold

Identical to the machines above except these have a stationary mold (non-rotating) and use a flat bottom hammer.

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H-1364, H-1366
Automatic Compactors

Accessories

6” Marshall Compaction Mold — H-1367
6” stability compaction mold for preparing test specimens with the H-1366 and H-1366R Compactors. Can be used with rotating or stationary mold models. Complies with ASTM D5581. Shipping wt. 10 lbs. (4.5 kg)

4” Marshall Compaction Mold (Rotating Mold) — H-1337
4” stability compaction mold for preparing test specimens with all rotating mold compactors (H-1346, H-1356 and H-1364R). Base plate of mold is designed to link with rotating base feature of compactors causing the mold to rotate during compaction. Forming mold is 4” (102mm) ID by 3” (76mm) high. Complies with ASTM D6926. Shipping wt. 10 lbs. (4.5kg)

4” Marshall Compaction Mold (Stationary Mold) — H-1341
4” Stability compaction mold for preparing test specimens with H-1364, H1336D mechanical compactors and H-1340/H-1345 Hand Compactors. Consists of base plate, forming mold and collar. Molds are machined from seamless tubing and plated. Base plate and collar are interchangeable with either end of the forming mold. Forming mold is 4” (102mm) ID by 3” (76mm) high. Use with H-1336 mechanical compactor and H-1340 hand compactor only. Complies with ASTM D6926. Shipping wt. 10 lbs. (4.5 kg)

4” Paper Disks (1000 pkg) — H-1341P
6” Paper Disks (500 pkg) — H-1361P
Circular, smooth-edged 4” or 6” diameter disc fit in bottom of H-1337 (4”), H-1341 (4”) or H-1367 (6”) compaction molds before introducing mixture prior to compaction test. Facilitates removal of sample specimen from mold. Shipping wt. 10 lbs.

Marshall Sample Storage Can — H-1331
Lidded, 2 lb can for storing Marshall samples.

4” Mold Extractors — H-1348
6” Mold Extractors — H-1363
Used with compression tester for removing 4” or 6” compaction mold specimens. Shipping wt. 8 lbs. (3.6kg).

Hand-Operated Sample Ejector — H-1353A
Designed for lab and field use to extract asphalt samples from either 4” or 6” compaction molds. The ejection force is generated by means of a 3-ton (27.7kN) capacity hand-operated hydraulic jack. The cast-aluminum ejector head assembly can be positioned at different heights through the use of quick release pins. This enables the operator to easily match the ejection travel to the height of the mold being used. Overall dimensions 13”W x 6”D x 27”H (330 x 152 x 686mm).

Motorized Sample Ejector — H-1355
Motorized Sample Ejector, 220V 60Hz — H-1355.4F
Similar in design and construction to the H-1353A series sample ejector, this model features the use of a 5-ton capacity motorized hydraulic pump and ram assembly. The unit incorporates extended upright rods in order to accommodate both standard 4” or 6” asphalt compaction molds, as well as the taller gyratory compaction molds. Overall dimensions excluding pump 13”W x 6”D x 29”H (330 x 152 x 737mm).