SMARTER ROLLER COMPACTOR

The **Asphalt Roller Compactor (ARC)** is an electromechanical system that does not require a compressed air source or hydraulics. Compaction is performed through a roller foot with multiple linear rotating compactors simulating the compaction of a steel-wheel roller. Slabs are compacted to the selected density, loading pressure or thickness. The slabs can then be cored or cut to obtain cylinders or beams for wheel-tracking systems, fatigue cracking, indirect tensile, static and dynamic creep tests, stiffness tests and more.

The ARC can be programmed to target a specific load or specimen thickness. If a specifi c thickness is requested, the system will automatically select the correct load and produce a perfectly uniform asphalt specimen with representative particle orientation and air void content. Three transducers inside the roller compactor control the roller, table movement, and vertical load. The ARC is designed to produce various slab sizes to fi t your specifi c testing needs.

ARC

ASPHALT ROLLER COMPACTOR

FEATURES:

- User-friendly software for easy test setup and immediate test execution
- Color touch screen display for easy control and operation
- Windows® driven software platform for data management, analysis and graphically displayed test results
- Fully integrated data acquisition system
- Sturdy steel frame with mold table and vertical load displacement system
- Internet connection allows remote diagnostic checks, trouble-shooting and software updates
- Unlimited storage with 2 USB ports, and SD card slot.

SPECIFICATIONS

Vertical force	Up to 40 kN
Power supply	230V 50/60Hz, 550W
Dimensions	87"(d) x 41"(w) x 74"(h) *95" (h) w/ guard open
Weight	3,300 lbs.
Min mold size	12" x 12" x 2" thick
Max mold size	87"(d) x 41"(w) x 74"(h)
*Other mold sizes available	

ARC for compacting repeatable asphalt samples

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