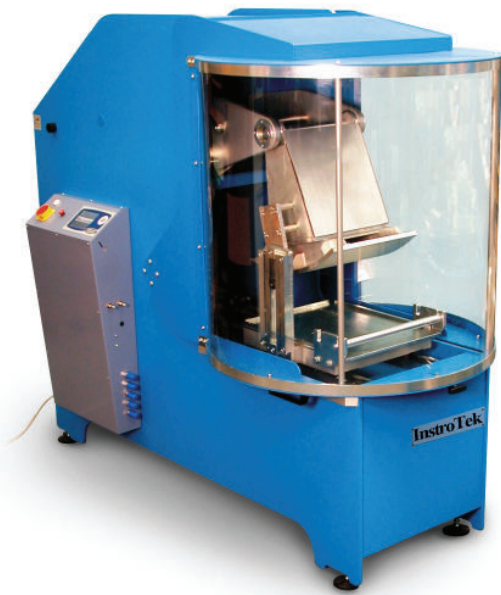


# Asphalt Roller Compactor

919.875.8371 (t)  
919.875.8328 (f)  
[sales@instrontek.com](mailto:sales@instrontek.com)



The Asphalt Roller Compactor (ARC) is an electro-mechanical 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 specific 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 fit your specific testing needs.

## Features:

- ▶ User-friendly software for easy test setup and immediate test execution
- ▶ Color touch screen display for easy control and operation
- ▶ Windows<sup>®</sup> 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.



*ARC for compacting repeatable asphalt samples*

## 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:	19.7" x 15.7" x 7" thick

\*Other mold sizes available