

Asphalt/Bitumen Binder Testing Equipment

Pyro-Clean®

The new ATS Pyro-Clean® is a must have for any testing lab. Designed to burn off test residue from lab equipment, it improves on previous versions and incorporates state of the art touchscreen technology, automatic operation, and a clean, matte-black design. Lab technicians no longer need to rely on scraping, wire brushing, or hand heating to clean equipment. Operators can simply place everything in their Pyro-Clean®, press start, and allow the machine to do the work.



Bending Beam Rheometer (BBR2S)

The improved ATS Bending Beam Rheometer (BBR2S) is engineered to perform flexural tests on asphalt binder and similar specimens per ASTM D6648, BS EN 14771, and AASHTO T313. Enhanced software and the ability to perform crack sealant tests expand the capabilities of the BBR2S beyond those of the original BBR2. Intuitive programming guides operators through test setup, providing a highly customizable and user-friendly experience.



Bending Beam Rheometer 3 (BBR3)

The ATS Bending Beam Rheometer 3 (BBR3) performs flexural tests on asphalt binder and similar specimens per AASHTO T 313, AASHTO TP 87, ASTM D6648, and BS EN 14771 specifications as part of the PG grading system according to Superpave. An ATS original, the BBR3 is the first of its kind to offer a state of the art internal computer system, incorporating intuitive new software and touchscreen technology.



Rolling Thin Film Oven (RTFO Touch)

Applied Test Systems (ATS) has been manufacturing custom furnaces and ovens since 1965, and entered into the asphalt binder testing market in the early 1990's with the introduction of Superpave. The ATS RTFO Touch combines years of experience in both process heating and asphalt binder testing, creating a highly user friendly and efficient piece of testing equipment. Designed to simulate short-term aging of asphalt binder according to ASTM D2872, AASHTO T240, EN 12607, Superpave, and California Test Method 346 test standards, the RTFO Touch offers customizable options and intuitive software to accommodate a broad spectrum of users.



Pressure Aging Vessel (PAV3)

The ATS Pressure Aging Vessel (PAV3) simulates in-service oxidative aging of asphalt binder through exposure to elevated temperatures in a pressurized environment. Our PAV3 introduces a user friendly touchscreen and improved software, providing the highest level of efficiency and reliability during testing. Each PAV3 meets AASHTO R28, ASTM D6521, and EN 14769 test standards. ATS can also retrofit any previous version of our PAV and upgrade it to the PAV3.



Vacuum Degassing Oven (VDO Touch)

The ATS Vacuum Degassing Oven (VDO Touch) removes air bubbles created during the in-service oxidative aging of asphalt binder by the PAV. This new and improved model maintains the same user friendly features that the original ATS VDO was known for, while incorporating updated software and touchscreen capabilities to enhance your testing experience. The ATS VDO Touch meets AASHTO R28, ASTM D6521, and EN 14769 test standards.

