

RTFO

ATS APPLIED TEST SYSTEMS

THE MARK OF RELIABILITY



RTFO Touch Rolling Thin Film Oven

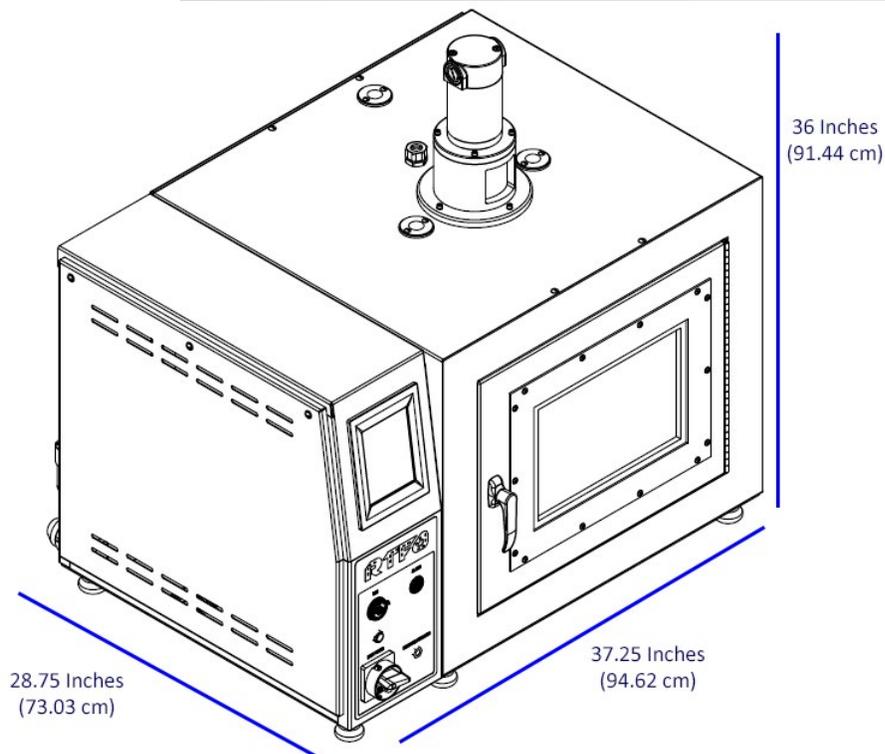
Touch-screen system with built-in computer for simulating short-term aging of asphalt binder and other materials

RTFO Touch

Applied Test Systems has been manufacturing custom furnaces and ovens since 1965, and entered into the bitumen / asphalt binder market in the early 1990's with the introduction of Superpave! It only seems logical to expand our many years of industry and process heating knowledge into the creation of the Applied Test Systems Rolling Thin Film Oven, RTFO Touch.

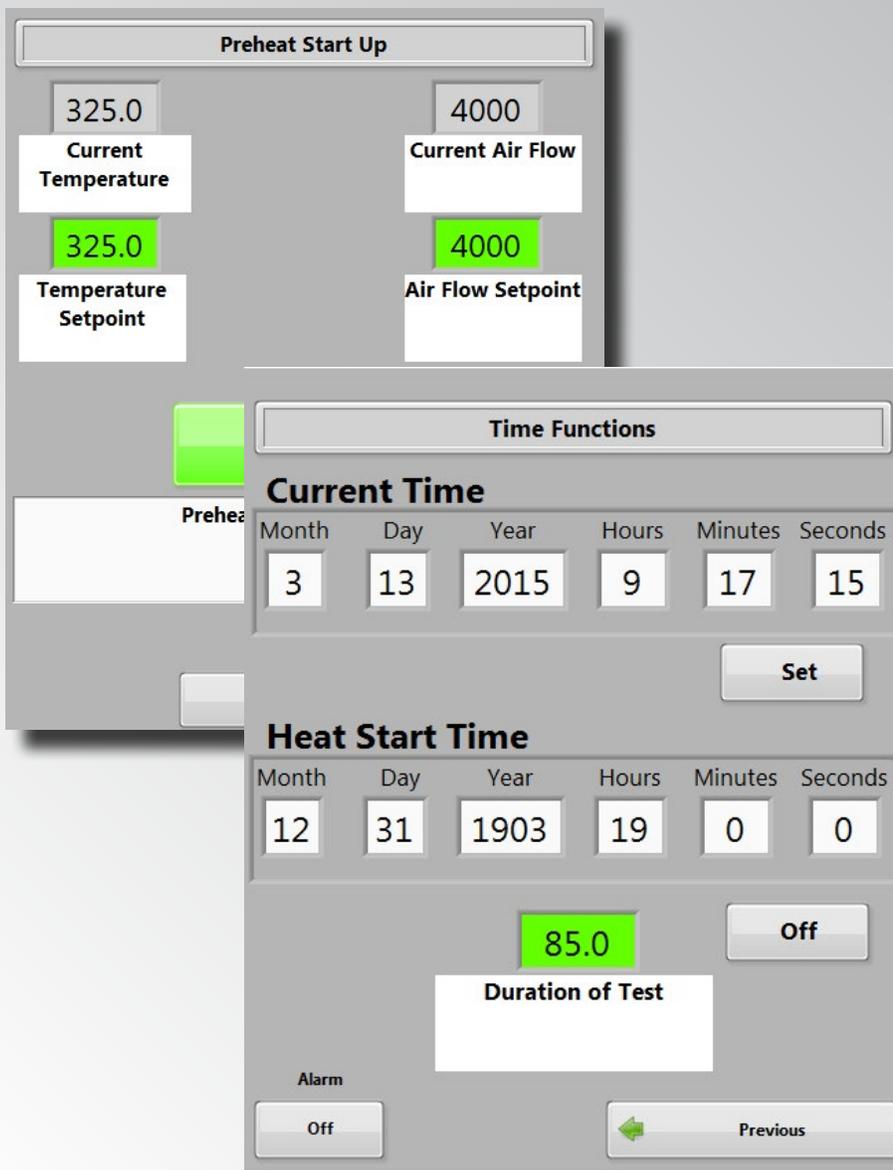
The NEW RTFO Touch from ATS has been designed to simulate short-term aging of asphalt binder according to ASTM D2872, AASHTO T240, EN 12607, and California Test Method 346 test standards and now offers customizable options to accommodate a broad spectrum of users.

The RTFO consists of a double walled stainless steel oven capable of maintaining temperature of up to $246^{\circ}\text{C} \pm 0.1^{\circ}\text{C}$ (475°F), a precision NIST traceable Microprocessor -based Platinum RTD a NIST traceable digital flow meter, and a tilted screen design for improved visibility.



Programmable Test Parameters

The **NEW RTFO Touch** from Applied Test Systems offers a built-in touch screen computer which enables users to change airflow, temperature, and duration of the aging process as well as data acquisition and end-of-process alarm (both visual and audible). It also has the capability of setting it to turn on on a select date and time



Remote Capabilities - Every RTFO includes a network-ready Ethernet connection. Connection to the internet will permit the user to access the RTFO with a mobile device or PC using a VNC viewer App program. VNC connection will enable the user to connect, monitor, and control the RTFO from a remote location. The RTFO can be programmed with a custom IP address, or will automatically obtain one, so the number of RTFO Touches on a single network is essentially endless.

Language Options

Because **great roads** are important everywhere in the world, the RTFO Touch software comes pre-loaded with English, Spanish, Chinese, French, Italian, German, Russian, and Arabic language translations.



Remote Communication

Ethernet Connection is built into every RTFO Touch and allows users to connect the RTFO to the internet or network. Once connected, users have the ability to use a smart device or PC to control and view the status of the RTFO.



New product registration is available at Applied Test Systems. Go to <http://www.atspa.com/register/> to register your PAV3, BBR3 or RTFO-Touch to be notified of any new software updates when they become available.

Software Updates:

Every RTFO Touch offers a USB port on the front of the unit to enable quick and easy software updates and upgrades.

Register your RTFO Touch at www.atspa.com/register/ to be automatically notified of any future software updates and choose your preferred method of delivery for all future updates.

Specifications

GENERAL

Construction

Bench-top, Stainless steel oven design with leveling legs

Specimen Capacity

8 high temperature glass bottles

Front Panel Display

6 inch full-color touch-screen computer

Battery Backup System (Optional)

4 hours minimum backup at full load
60 day advance notification of end of useful battery

TEST PARAMETERS

Operating Airflow

0-5,000 mL/m

Accuracy of Flow Meter

± 0.8% of reading + 0.2% of full scale NIST Traceable

Temperature Range

0°C to 246°C ±0.5°C (475°F)

Temperature Control

Microprocessor-based with Platinum RTD NIST Traceable

Temperature Control Resolution

±0.1°C from 0°C to 246°C

Test Temperature Uniformity

± 1°C (33.8°F)

Time to Set-point

20 Minutes

Return to Set-point

5 minutes after loading of specimens

Over-Temperature Protection

Thermal shut-down switch (250°C/485°F)

Air Inlet

1/4 in. male NPT

Data acquisition

Sample rate of 1 per second. Time, temperature, and airflow

REQUIREMENTS

Power Requirements

230VAC 50/60Hz

Air Requirements

A source of clean, dry air with 60-150 psi.

Specifications subject to change without notice

For More Information Regarding the RTFO Touch and Other Superpave Products, Contact Applied Test Systems!



+1-724-283-1212



Sales@atspa.com or Service@atspa.com



www.atspa.com



154 East Brook Lane
Butler, PA 16002
USA



An ISO 9001:2008 Certified Company

