

OREC™ Options and Accessories: Model W Test Chamber Stand



0500 with Model 5W Stand

The OREC™ Model W Ozone Test Chamber stands are designed for use with all models of OREC™ Ozone Test Chambers. While bench and counter top space is at a premium in most laboratories, the Model W Stands allow “stand alone” functionality and permit location of the test chamber virtually anywhere in the laboratory, optimizing space usage.

The stands are mounted on lockable, full swivel, caster wheels with chemical resistant synthetic rubber treads that allow for the ease of re-positioning, maintenance and cleaning. They also provide useful storage space behind two large access doors which feature corrosion resistant chrome hinges and dual action handles.

The stands are constructed of heavy-duty sheet metal and welded steel for durability and are coated with a quality lacquer finish and color-matched to the cabinet for both ease of maintenance and aesthetics.

The Model 5W Stand is designed for the 0500 Series cabinets and the Model 9W Stand for the 0900 Series cabinets.

OREC™ Options and Accessories: DynaStretch™ Rubber Stretching Apparatus

The DynaStretch™ is designed for the dynamic stretching (flexing) of rubber and other elastomers, which are flexed during end-use such as tires, shock absorbers, vibration dampeners, shoe soles, etc.

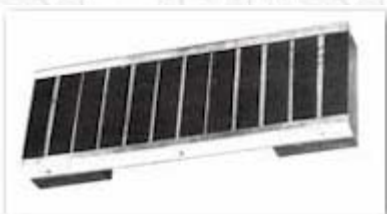
Most rubber products more readily ozonize when subjected to dynamic flexing, vibration, and other cyclical stresses or strains. The DynaStretch™ provides controlled dynamic forces for testing ozone resistance of compounds under dynamic testing conditions, conforming to [ASTM D3395 Method A](#).



The DynaStretch™ is accommodated by all models of OREC™ Ozone Test Chambers and when ordered with the chamber, the DynaStretch™ is shipped installed from the factory.

DynaStretch™ Specifications	
Sample size:	101.6 mm long x 25.4 mm wide, up to 6.35 mm thick 4" long x 1" wide, up to .25" thick
Rate of stretch:	30 cycles/minute
Extent of stretch:	25%
Stretch Articulation:	From flat to stretched flat state and return
Sample Quantity Model 08:	8 samples
Sample Quantity Model 016:	16 samples

OREC™ Options and Accessories: Static Rubber Stretching Apparatus

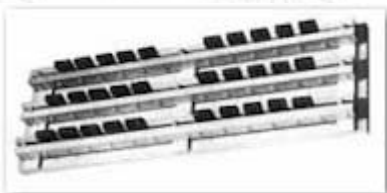


ASTM D518 Method A Fixture

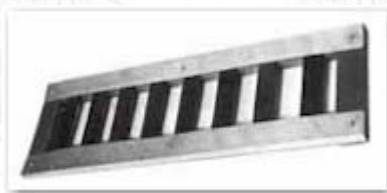
OREC™ Static Stretching Apparatus are designed for the stretching of rubber and other elastomers.

Most rubber products more readily ozonize when subjected to stresses or strains. OREC™ Static Stretching Apparatus provide controlled forces for testing ozone resistance of compounds under stress testing conditions as described in [ASTM D518](#).

OREC™ Static Stretching Apparatus are accommodated by all models of OREC™ Ozone Test Chambers.



ASTM D518 Method B Fixture



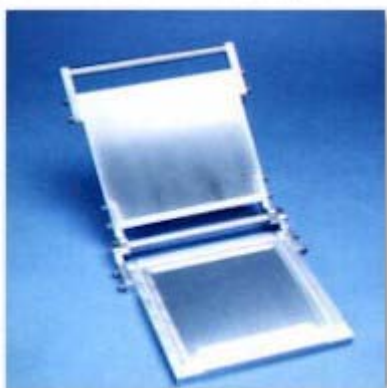
ASTM D518 Method C Fixture

OREC™ Options and Accessories: Specimen Molds and Cutting Dies

OREC™ manufactures an array of superior quality molds, CAD designed and engineered specifically for producing the highest quality test specimens.

They are CAM machined from high carbon content steel, precision ground, then hand honed and polished. The molds may be plated or coated with a variety of standard or innovate materials ... from chrome to titanium oxide!

The mold platens are extra thick which prevents disfiguration from the effects of heat and pressure, as well as extending the useful life of the mold.



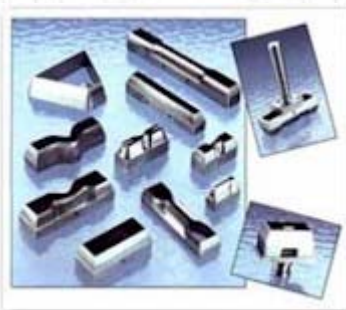
Deeper flash pockets allow for quality specimen molding, even in overfill situations, and recesses facilitate specimen identification, grain direction, etc.

The industrial chrome plated hinges are of a unique "lever-action" design, assuring the even distribution of pressure on initial press closure and facilitate re-opening. The stainless steel handles rotate 360° in their supports to facilitate mold re-opening.

Test specimens for conducting ozone deterioration analysis, specifically [ASTM D3395 Method A](#), [ASTM D1149](#) and [ASTM D518](#), are generally die-cut from molded sheets.

The specimen cutting dies are designed to dramatically decrease the effects of specimen preparation on test determinations.

The dies are EDM machined from solid blocks of quality high carbon content steel to tolerances better than requirements. All dies also include a certificate of compliance to the applicable method and molded plastic storage case. Options for mounting to virtually any press and "mallet" handles are available.



Examples of Specimen Cutting Dies

OREC™ Options and Accessories: Refrigeration, Recording & Range

Description	Specifications
Refrigeration Unit R5	20 to 190 F° (-17 to 87.8 C°)
Refrigeration Unit R9	20 to 190 F° (-17 to 87.8 C°)
DAQ-Zone	Data Acquisition and Recording Software
Temperature Recorder	Strip Chart: Temperature/Time
Ozone Range Option	0 to 1000 pphm 0500/0900
Programmable Control ¹	Ozone & Temperature (On/Off)
Programmable Control ¹	Ozone & Temperature (On/Off) DynaStretch (On/Off & Limit) Includes DynaStretch 016



1 The Programmable Controls are no longer available, their functions have been integrated with the on-board PLC now incorporated in the [OREC™ Ozone Chambers](#).

NIST Primary Traceability & ISO/IEC 17025 Accredited Laboratory



NIST



National Institute of Standards and Technology
Primary Traceability

[NIST Report of Analysis 839.03-03-155](#)

[NIST Report of Analysis 839.03-05-168](#)

ISO/IEC 17025

Accredited Laboratory

[Calibration Certificate 1424.01](#)

[Mechanical Testing Certificate 1424.02](#)

Copyright © 2006 CCSi, Inc. • All Rights Reserved • Published March, 2006

Corporate Consulting, Service & Instruments, Incorporated

221 Beaver Street • Akron, Ohio 44304 USA

Telephone: 800.742.8535 / 330.376.3600 • Facsimile: 800.229.9329 / 330.376.8500

• WWW.CCSI-INC.COM • WWW.ORECOZONE.NET •