

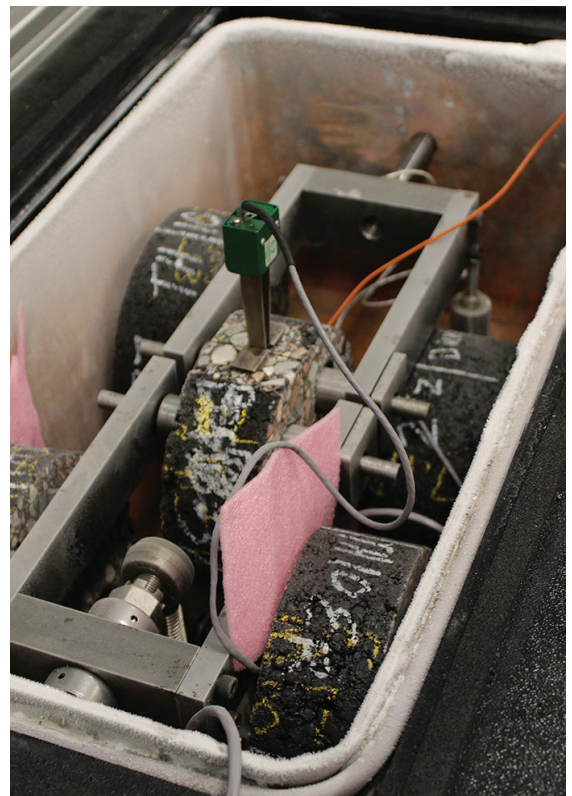
# DCT - OT



## ***Disk-shaped Compact Tension and Texas Overlay Test Machine!***

### Features

- Copper Tub
- Results of test printed and plotted immediately! No post processing!
- The DCT is completely contained on a rolling portable test frame that is designed to carry the load through the conventional pins used by DCT to load the specimen.
- System is designed to meet the most current AASHTO D7313 standard.
- A built-in insulated chamber in a chest style configuration with a flip top eliminates immediate air exchange when opening the chamber to change a specimen.
- The system includes a 4500 lb force actuator with low friction seals and a magneto restrictive position sensor that is controlled by a proportional valve for closing the loop to control load, position or strain.
- Comes with Texas Overlay test fixture.



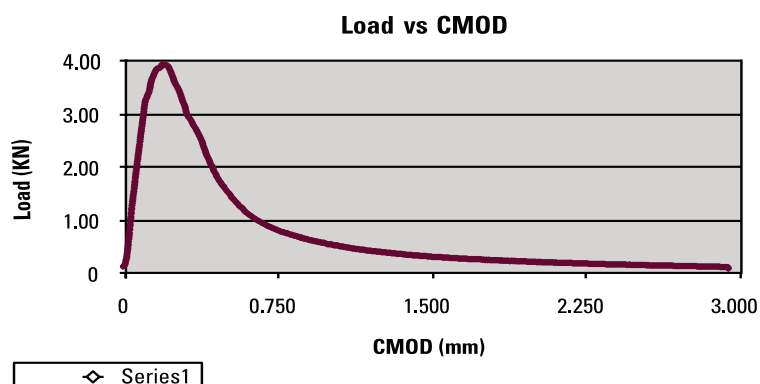
## SPECIFICATIONS

Dimensions (L x W x H)	42in x 20in x 37in
Test Frame Dimensions (L x W x H)	29in x 16in x 4.5in
Weight	420 lbs
Shipping Weight	520 lbs
Force	4500 lbf
Stroke	1 inch (25 mm)
Chamber Cooling Temperature	-39.5 C - 40 C
Electrical Source	115 VAC 20Amp receptical required
Data Output	Custom DCT software

## System Performance

### Test Results

The energy is calculated from the area under this curve and reported in J/M<sup>2</sup> units. It is energy to tear the ligament down to 0.1KN.



The user gets an immediate view of the data when the test completes.

### User's DCT Test Results

Created : 9/3/2013 3:43 PM  
 User name : User  
 Specimen ID : BM13-37 TH10-ER\_ F  
 Comments :  
 Diameter : 150.000 mm  
 Thickness : 50.470 mm  
 Ligament : 82.270 mm  
 Cumulative Area : 2311.8424 Nmm  
 Max Load : 3.95 kN at 11.24 seconds  
 Slope : 0.0171 mm/second  
 Energy : 556.78 J/m<sup>2</sup>