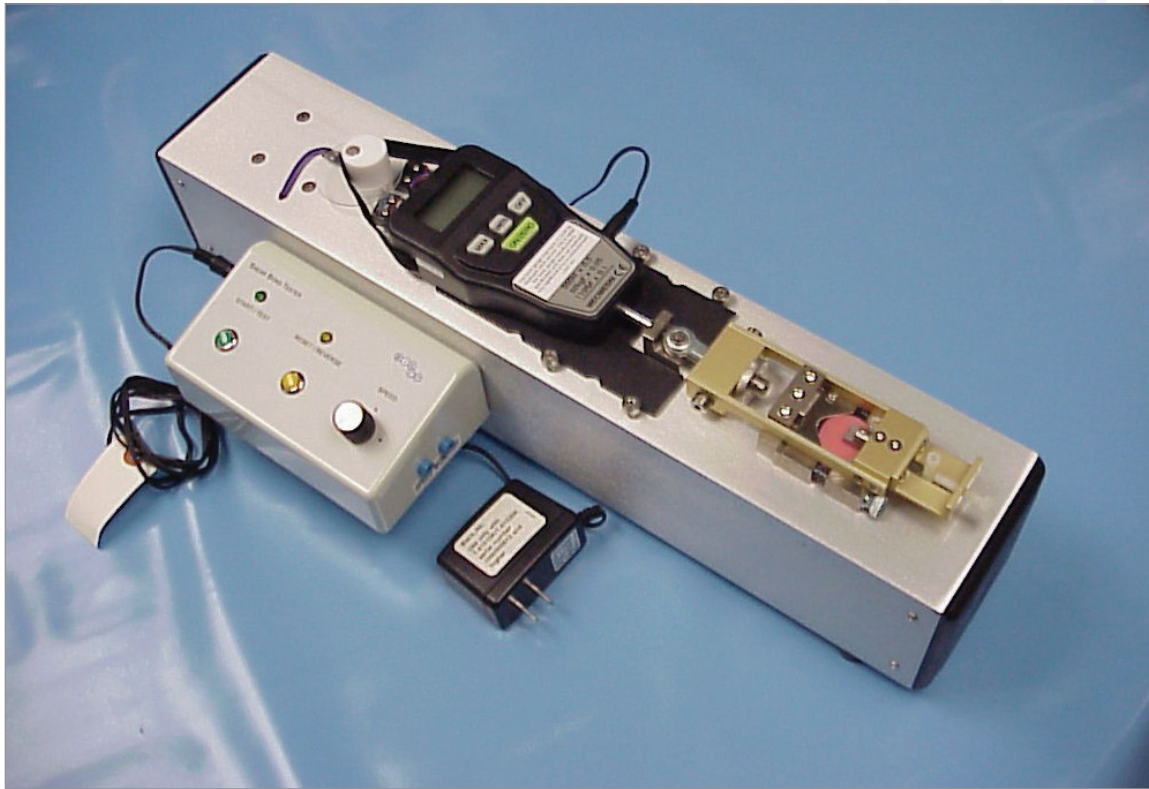


Shear Bond Tester

From BISCO's Research Equipment Group

Measure Shear Bond Strength of Dental Adhesives



Transportable and Easy to Use Designed For Dental Research

The Shear Bond Tester, developed and manufactured by BISCO, Inc. is intended to meet the need for a low cost, safe and easy to use research tool for measuring the shear bond strength of dental adhesives. A sample is approximately 0.09" (2.3mm) diameter. The precision machined test clamp is oriented horizontally so the effect of gravity is negligible. Frictional errors are also minimized by the design. Typical test cycles take less than one minute to perform. A low voltage DC, high torque variable speed gear motor rotates a cam that applies the forces at a rate of approximately 155 grams per second. Forces are

measured via a NIST traceable force gauge with digital readout and failure force display. The maximum measurable force allowed by the system is 50 kg (110 lbs, 500 N). Test samples are attached to 1" diameter test disks and held in test clamps, with an innovative design that allows for the samples to be aligned with the test blade, allowing flexibility in the placement of the sample. Additional test clamps are available so samples can be prepared and mounted to one set while testing is being performed using another. The Shear Bond Tester is compatible with samples made using the Ultradent Test mold or #9 gel caps.



FOR MORE INFORMATION:

Contact Sarah Peterson to learn more at speterson@bisco.com

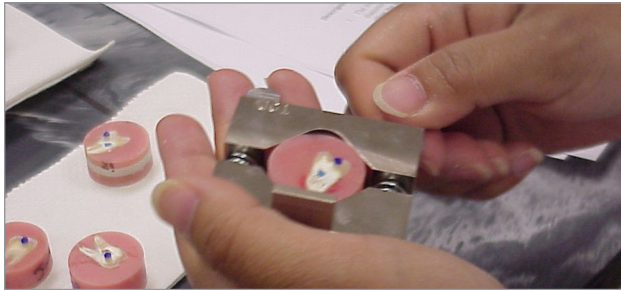
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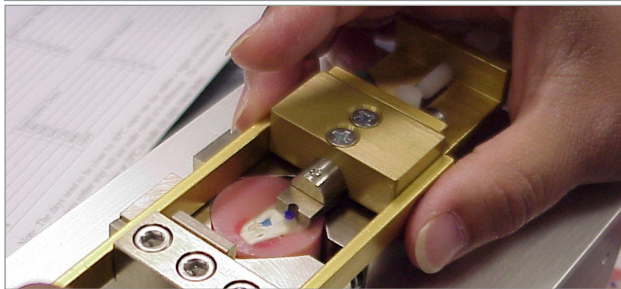
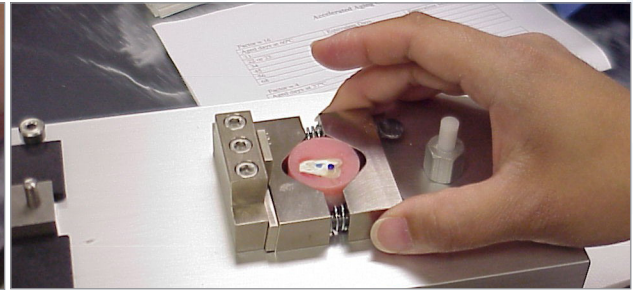
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Sample held in test clamp



Sample and clamp placed on test bed



Test cradle placed on sample



Test blade contacting sample

ORDERING INFORMATION

KIT CONTENTS

SHEAR BOND TESTER

1 Shear Bond Test Cradle, 1 Test Bed, 1 Force Gauge, 1 Test Clamp, 2 Syringes LIGHT-CORE™
Shade: BLUE (5g ea.), 1 AC to DC Power Adapter, 100-240V AC, 1 User Manual

T-63010K

REPLACEMENTS/ACCESSORIES

ADDITIONAL TEST CLAMP

T-6311P

REPLACEMENT TEST BLADE

T-6312P

REPLACEMENT TEST CRADLE (with blade)

T-6313P

CARRYING CASE FOR SHEAR BOND TESTER

T-6315P

LIGHT-CORE Shade: BLUE (2 syringes, 5g ea.)

A-1728P

Contact Sarah Peterson to learn more at speterson@bisco.com

TO ORDER CALL BISCO:

1-800-247-3368 • 1-847-534-6000

Contact us for information on BISCO's Microtensile Tester and ACUVOL™ Volumetric Shrinkage Analyzer.