



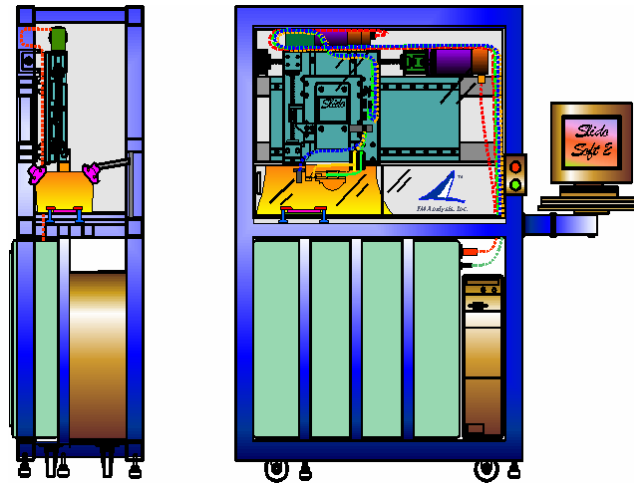
FRICTION INDUCED WEAR PROCEDURE

Application

This test procedure is used to evaluate paint/substrate robustness against gouging on test panels or flat sections of parts.

Apparatus Required

1. SLIDO II unit, FM Analysts, Inc., 5236 Plaza Aleman, Santa Barbara, CA 93111, 805-967-5992:



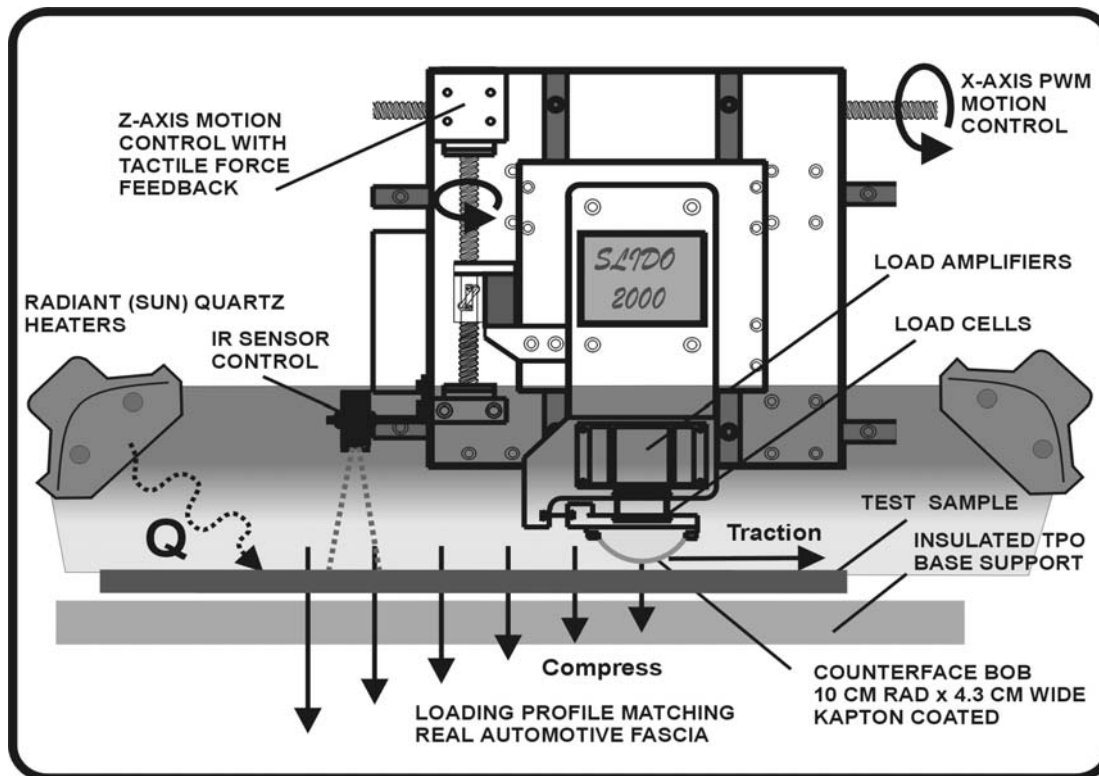
2. Tissue: *Kimwipes* or equivalent
3. Kapton film, FRALOCK, A Division of LOCKWOOD INDUSTRIES, INC., 21054 Osborne ST., Canoga Park, CA, 91304, 808-709-1288. Product information: TKH-500, 2 ½ " x 50 ft long, 5 MIL P 46112(MR)B Type 1
4. Isopropyl Alcohol (IPA)

Date	Action	Revisions
2007 03 16	Activated	



SLIDO II Configuration Layout

Slido Apparatus
(Counterface Bob equipped with Kapton Film)



The upper half of SLIDO houses the “TriboHead” superstructure with an instrumented counterface, servomotors, IR heaters and an environmental chamber. The lower half of the SLIDO configuration has the electronics, opto-isolation, data acquisition and power conditioning. Other components include the IR power conditioning, servo power amplification and optical isolation.

SLIDO II is a state-of-art robotics instrument for controlling the motion of the TriboHead®, which precisely measures the normal loads and traction forces with high fidelity. Measurement of tribological forces are made directly at the contact wear-head creating exceptional diagnostics of friction-induced-damage, FID. *SlidoSoft* software makes the machine setup and test procedures easy. The SLIDOSOFT software also displays test results in an easy-to-view graphical environment which also outputs test data in ASCII format for use with popular spreadsheets and plotting programs.

Test Panels

Quantity: Minimum 5 (8% gauge R&R) panels and/or flat sections of part.

Type: Panels must be top gated, and part sections must be oriented for flow direction.

Size: Minimum: 4 x 12 inches [101.6 x 304.8 mm] or 4 x 10 inches [101.6 x 254.0 mm]