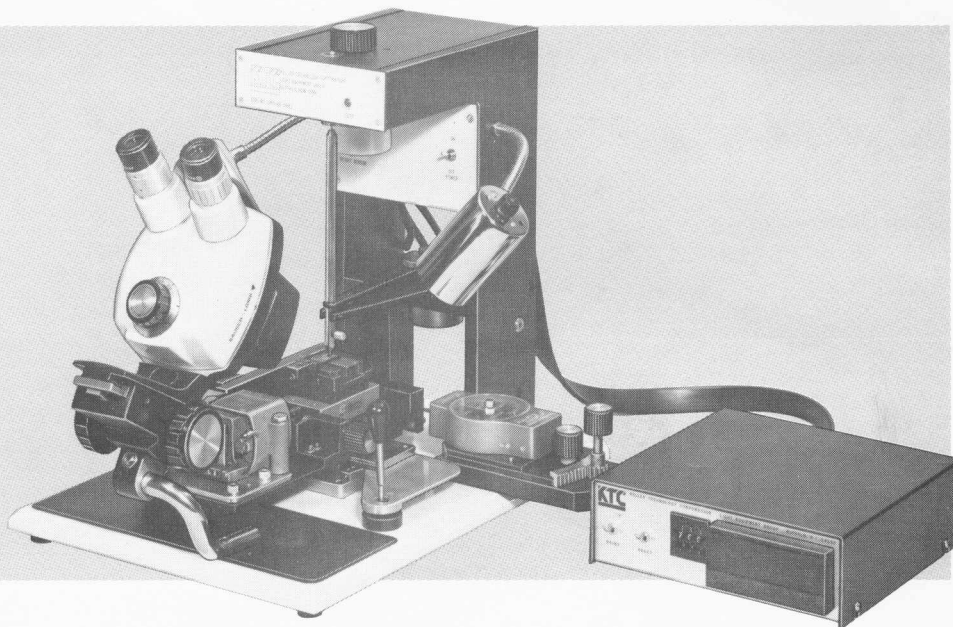




Keller Shear Tester/80

New concept... new features... additional applications

- For non-destruct or destructive testing
- Accurately applies loads to 7,000 grams
- Stereo zoom optic to 60X
- Electric tool height sensing
- Fine-tuned manipulation, dual lighting
- Automatic digital readout

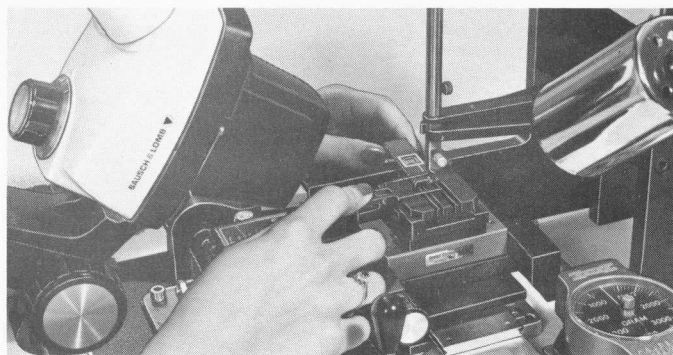


- Wide range of applications

As well as providing maximum assurance of quality of ball bonds and die attachments, the Keller Shear Tester/80 efficiently tests solder and gold bumps on dice and lead frame attachments on substrates.

When equipped with an O-7KG transducer and tooling, the unit performs die shear testing in accordance with MIL883B.

The Shear Tester/80 is also adaptable to bond pad clean-up for repair work.



Close-up of operating area shows simplified method of product loading prior to vertical lowering of the shear tool and micro-positioning for testing.

Comparison — Adherence Strength Test — Gold Wire

Gold Wire Diameter (inches)	Conventional Pull Test (grams)	Keller Shear Tester/80 (grams)
.001	3	40
.002	12	100
.003	27	150

- Easy to operate — safe on delicate work pieces:

The Keller Shear Tester/80 utilizes stereo zoom microscope viewing and micromanipulation of the work part for alignment with the shear tool. The shear tool is motor driven at the rate of 10 strokes per minute in the "Y" direction, with stroke adjustability to .100".

The motorized "Z" motion of the shear tool is fine-tuned at the rate of .003" per complete revolution of an adjustable knob and can be electrically controlled to assure accurate positioning above the work surface.

Specifications: Keller Shear Tester/80 (Basic Model)

Dimensions (other than digital read-out):
length — 19"; width — 16"; height — 13"

Required test time (after alignment):
6 seconds

Services Required 110V, 60HZ,
Weight 40 lbs.



LIGHT EQUIPMENT GROUP

KELLER TECHNOLOGY CORPORATION

2320 MILITARY ROAD

TONAWANDA, NY 14150

PHONE (716) 693-3840

Printed in U.S.A.