70PTC SERIES
WIRE PULL TESTER

Continuing a Tradition of Quality
Series 7000C Pull Testers provide an exceptionally convenient means to place a hook under the arch of a bonded wire and then lower the wire under microprocessor control to measure tensile strength, either destructively or non-destructively. Embodied in this series is West·Bond’s new three-axis mechanical-advantage manipulator, which is independently guided along each axis, and so is able to transmit motion and force from control to tool undisturbed by loading forces from any other direction.

**EXCEPTIONALLY** convenient means of testing the tensile strength of fine wire bonds. Reach wires in any quadrant on packages of unlimited size with a rotatable micro-hook, and test in either destruct or non-destruct modes with motorized, microprocessor controlled precision through a range of 100 grams.

**PROGRAMMING** a device, the users can select the speed, drop of the work and data output options. Program values, action prompts, and fault codes are exhibited on the easy to read 4 lines, 40 characters LCD sequentially with machine operation. Pull Test data has a resolution of 0.1 grams with an accuracy of +/- 0.2 grams.

**FEATURES** include programmable speed, default error codes, pneumatic braking of Z and Y-axes during testing and mechanical down stop to keep hook from damaging delicate surfaces. Direct output to a computer via RS-232 interface with capture software. A-1 Feature converts the machine to a peel tester with wire engagement tweezers.

**STANDARD SPECIFICATIONS**
- **CONTROL LOGIC:** Motorola 68000 Microprocessor
- **MEMORY:** Battery back-up RAM
- **DATA ENTRY:** Selector switch
- **Z TOOL RANGE:** 0.5625 inch
- **Z ENCODER RESOLUTION:** 0.002 inch
- **TEST FORCE RANGE:** up to 100 grams
- **TEST RANGE:** 0.125° Depth, 360° Rotation
- **RESOLUTION:** 0.1 gram; ACCURACY: +/- 0.2 grams
- **ESD PROTECTION:** Protection against Electrostatic Discharge
- **DISPLAY:** 4 line, 40 character LCD
- **MICROMANIPULATOR:** Dual counterbalanced, single lever, 8:1 ratio
- **COMPUTER INTERFACE:** RS-232 Windows compatible (optional)
- **MICROSCOPE:** Selection available (ESD types available)
- **ILLUMINATOR:** Selection available (ESD types available)
- **WORK HOLDERS:** Wide selection plus custom fabrication services
- **DIMENSION:** W=22.0” x D=19.0” x H=12.0”
- **WEIGHT:** 60 lbs uncreated, or 110 lbs accessorized and created