

# WEST·BOND. INC.



**70PTC SERIES**

**WIRE PULL TESTER**

*Continuing a Tradition of Quality*

## 70PTC – Manual Wire Pull Test Machine

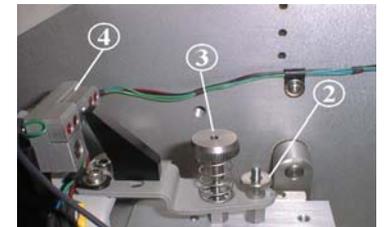


**Series 7000C Pull Testers** provide an exceptionally convenient means to place a hook under the arch of a bonded wire and then lower the wire under microprocessor control to measure tensile strength, either destructively or non-destructively. Embodied in this series is West-Bond's new three-axis mechanical-advantage 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.

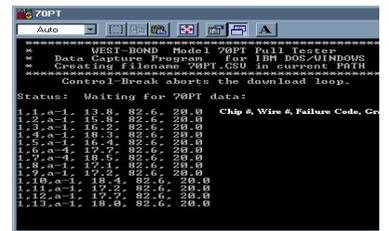
**EXCEPTIONALLY** convenient means of testing the tensile strength of fine wire bonds. Reach wires in any quadrant on packages of unlimited size with a rotatable micro-hook, and test in either destruct or non-destruct modes with motorized, microprocessor controlled precision through a range of 100 grams.



**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

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