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# WEST·BOND, INC.



## 7400D – 7600D SERIES

## MANUAL WIRE BONDERS

*Continuing a Tradition of Quality*

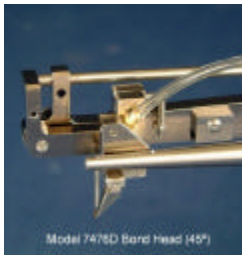
# *7400D · 7600D Series*

## 7400D - Conventional 45 Degree Wire Feed Wedge Bonder
## 7600D - Deep Access 90 Degree Wire or Ribbon Feed Wedge Bonder



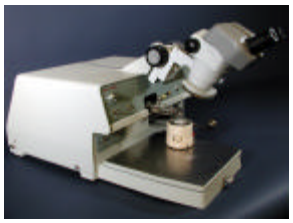
**CONVENTIONAL** 45 degree wire feed and unique clamp design of West·Bond's Model 7476E Series wedge-wedge wire bonders provide the precision and control for the smallest, most accurate loop formations. Consistent and repeatable profiles are easily achieved with the patented single lever X-Y-Z micromanipulator and optical Z encoder.

**CONVERTIBILITY** for a variety of bonding methods is pioneered by West·Bond. A simple exchange of wire clamp assemblies, provided with specified models, allows conventional 45º wire feed, deep access 90º wires or ribbon feed, and single point tab/lead bonding. All programmed bond variables and machine settings for each tool head are retained in memory and retrieved automatically upon conversion.

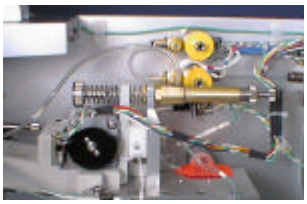




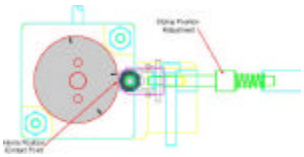




**PROGRAMMING** for three different device types may be entered into separate buffers. Each device wire may have up to 21 stitch bonds with individual ultrasonic power, time, force (high or low) and loop elevation control data. Program values, action prompts, and fault diagnostics are exhibited on the easy to read 4 line, 40 character LCD sequentially with machine operation.



**FEATURES** include programmable dual force (high or low), bond tool positioning utility, pneumatic braking of Z and Y axes during bonding, and radiant tool heat. Available with or without adjustable height platform.





### *STANDARD SPECIFICATIONS*

*CONTROL LOGIC: Motorola 68000 Microprocessor*
*MEMORY: Battery back-up RAM*
*DATA ENTRY: Selector switch*
*Z TOOL RANGE: 0.5 inch*
*Z ENCODER RESOLUTION: 0.001 inch*
*BOND FORCE RANGE: Adjustable, 10 to 150 grams*
*TRANSDUCER: ½ wave, 63 KHz (nominal)*
*ULTRASONICS: Built-in, 8 bit, 4 watts (Ultrasonic Positioning Utility)*
*WIRE RANGE: 0.7 to 2.0 mils, 1x10 mil gold ribbon (7600D)*

*ESD PROTECTION: Protection against Electrostatic Discharge*
*DISPLAY: 4 line, 40 character LCD*
*CONVENTIONAL TOOL LENGTH: 0.750 inch (7400D)*
*DEEP ACCESS TOOL LENGTH: 0.750 inch (7600D)*
*MICROMANIPULATOR: Dual counterbalanced, single lever, 8:1 ratio*
*WIRE SPOOL MOUNT: 0.5 inch with ball bearing rollers*
*RADIANT TOOL HEAT: Built-in*
*MICROSCOPE: Selection available (ESD types available)*
*ILLUMINATOR: Selection available (ESD types available)*
*WORK HOLDERS: Wide selection plus custom fabrication services*

## www.westbond.com

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