

# WEST·BOND. INC.



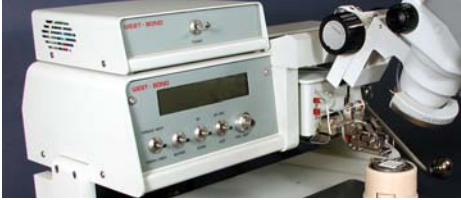
**7430E – 7630E SERIES (High Frequency)**

**MANUAL WIRE BONDERS**

*Continuing a Tradition of Quality*

## 7430E · 7630E Series (High Frequency)

**7430E - Conventional 45 Degree Wire Feed Wedge Bonder**  
**7630E - Deep Access 90 Degree Wire or Ribbon Feed Wedge Bonder**



**UNLIMITED DEEP REACH** access to remote bond targets on large packages with WEST-BOND'S new throatless chassis and micromanipulator designs. All machine components, circuitry, and enclosures are arrayed above the horizontal bond plane, eliminating any restrictions to package size or shape. Manual "E" Series models are available for all microwave, semiconductor, R.F., and hybrid production, and are ideal for repair station or laboratory use.

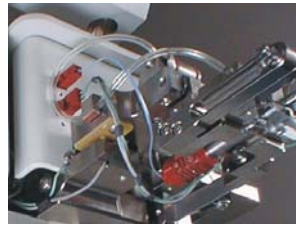
**CONVERTIBILITY** for a variety of bonding methods is pioneered by West-Bond. A simple exchange of wire clamp assemblies, provided with specified models, allows conventional 45° wire feed, deep access 90° wire or ribbon feed, and single point tab/lead bonding. All programmed bond variables and machine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



**PROGRAMMING** for thirty 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), pure vertical Z, pneumatic braking of all axes during bonding, and radiant tool heat. Available with or without the base and work platform for tabletop or conveyor system applications.



### 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:** 0.001 inch  
**BOND FORCE RANGE:** Adjustable, 10 to 250 grams  
**TRANSDUCER:** Full wave, 110 KHz (nominal)  
**ULTRASONICS:** Built-in, 8 bit, 3 watts (Ultrasonic Positioning Utility)  
**WIRE RANGE:** 0.7 to 2.0 mils, 1x10 mil gold ribbon (7630E)  
**ESD PROTECTION:** Protection against Electrostatic Discharge

**DISPLAY:** 4 line, 40 character LCD  
**CONVENTIONAL TOOL LENGTH:** 0.828 inch (7430E)  
**DEEP ACCESS TOOL LENGTH:** 0.828 inch (7630E)  
**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  
**DIMENSION:** W=24.0" x D=21.250" x H=11.625"  
**WEIGHT:** 60 lbs uncreated, or 95 lbs accessorized and created

[www.westbond.com](http://www.westbond.com)

**WEST·BOND, INC.**  
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