

WEST·BOND·INC.



C O N V E R T I B L E **2400B SERIES**

AUTOMATIC WIRE BONDER

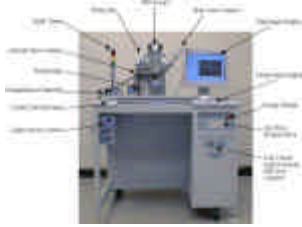
**SPECIAL
5 MACHINES IN ONE!**

1. CONVENTIONAL 45° WIRE FEED
2. DEEP ACCESS 90° WIRE OR RIBBON FEED
3. SINGLE-BALL OR BALL-WEDGE BONDER
4. INSULATED WIRE BONDER
5. SINGLE POINT TAB/LEAD BONDER

Continuing a Tradition of Quality

2400B Series

- 2400B** - Conventional 45 Degree Wire Feed
- 2600B** - Deep Access 90 Degree Wire or Ribbon Feed
- 2700B** - Vertical Feed Ball Bonder with Deep Access Capability
- 2426B** - Two-Way Convertibility, Deep Access, or Conventional Feed
- 242627B** - Three-Way Convertibility, Deep Access, Conventional, or Ball Bonder



UNPARALLELED PERFORMANCE in ultrasonic, thermosonic and thermocompression fine wire and ribbon bonding. Unique design features qualify the 2400B Series for the most demanding microwave, semiconductor, R.F., and hybrid production where precision and repeatability are critical. With compact dimensions (48" h x 38" w x 28" d), rugged construction, a reputation for dependability and ease of maintenance, the West-Bond 2400B Series is the most versatile automatic wire bonder available today.

CONVERTIBILITY for a variety of automatic bonding functions is a feature available only with West-Bond's 2400B Series. A simple exchange of bond tool head assemblies, provided with specified models, allows conventional 45° wire feed, deep access 90° wire or ribbon feed, ball bonding, insulated wire and single point tab/lead bonding. All programmed bond variables and machine settings are retained in memory and retrieved automatically upon conversion.



PURE VERTICAL "Z" means the bond head remains absolutely vertical throughout its entire 0.500" Z range, and tool perpendicularity is ensured regardless of work piece elevation. The 2400B Series is ideal for complex multiple chip devices where varying bond elevations are encountered.



HEATED WORK HOLDERS are available with mechanical and vacuum hold downs. Design and manufacturing services for custom work holder adapters are available.



EASE OF PROGRAMMING through familiar Microsoft Windows software interfaced with the built-in Cognex Model 5200 Pattern Recognition System. Position and elevation coordinates are targeted by visual reference to the high resolution 15" color monitor operating with a vertically oriented auto focus camera for target alignment, and a side view camera to monitor bond and loop profiles.



STANDARD SPECIFICATIONS

CONTROL LOGIC: Intel Pentium CPU
MEMORY: 64 MB RAM
DATA ENTRY: Microsoft mouse or keypad (or optional keyboard)
DEVICE STORAGE: 10 GB hard disk storage
DEVICE STORAGE BACK-UP: Zip® disk, Hard disk, or Floppy disk
PATTERN RECOGNITION SYSTEM: Cognex model 5200
MONITOR: Flat screen 15 inch high resolution, color
DISPLAY: Auto focus vertical camera and diagonal view camera
TABLE TRAVEL: 5.25 inches (X) by 4.25 inches (Y)
Z ENCODER RESOLUTION: 0.5 mil
Z TOOL RANGE: 0.500 inch
X-Y RESOLUTION: 0.25 mil
WORK HOLDER: 360° rotary, mechanical or vacuum hold down
TEMPERATURE CONTROLLER: West Bond Model K1200D
TRANSDUCER: ½ wave, 63 KHz (nominal)

ESD PROTECTION: Protection against Electrostatic Discharge
ILLUMINATOR: Dolan and Jenner
ULTRASONICS: Built-in, 8 bit, 4 watts
WORK HOLDER RESOLUTION: 0.25°
WIRE RANGE: 0.7 mil to 2.0 mils, 1x10 mil gold ribbon (2600B)
TAIL AND PULL STROKES: Programmable
BOND FORCE: Programmable
FORCE RANGE: Programmable, 10 grams to 175 grams
ULTRASONIC RAMPING: Programmable, on or off
CONVENTIONAL TOOL LENGTH: 0.750 inch
DEEP ACCESS TOOL LENGTH: 0.625 inch
BALL CAPILARY LENGTH: 0.625 inch
RADIANT TOOL HEAT: Built-in
AUTOMATIC WIRE DESPOOLER: K~Sine K~1100

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