

# WEST·BOND. INC.



**7300C SERIES**

**MANUAL DIE BONDERS**

*Continuing a Tradition of Quality*

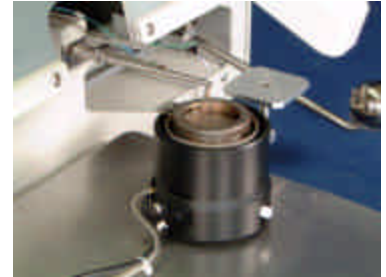
## 7300C Series

### 7316C - Single Collet Eutectic Die Bonder 7327C – Hexa-Collet Eutectic Die Bonder



**WEST-BOND's** 7300C Series pick up and place chips for manual die attachment by mechanical scrub, eutectic method. All operation is controlled by West-Bond's unique three-axis micromanipulator under microprocessor control. The work piece is held on a heated work holder, where chips are also arrayed for pick up.

**MODEL 7316C** Offers one collet for vacuum die pickup, placement, and mechanical scrub. The length, number of cycles, direction, and velocity of scrub strokes are microprocessor controlled for precision and repeatable die placement, and are easily programmed at the machine panel. Radiant tool heat with temperature control is standard.



**MODEL 7327C** offers up to 6 different die collets on a pneumatically operated turret mechanism for complex packages with a variety of die sizes. Desired collets are advanced into position by operator activated push button switch on micromanipulator ball. Six sets of values for length, number of cycles, direction, and velocity of scrub strokes are entered into buffers associated with the turret tool positions, as to execute a scrub motion program appropriate to each die collet tool. Radiant tool heat is not available with the 7327C.

**FEATURES** pneumatic braking of Z and Y-axes during bonding, and radiant tool heat. Available with or without adjustable height platform.



#### **-79 Adjustable Height Platform:**

Work platform with adjustable height for variable package thickness. Adjusts through a range of 0.625-in., apportioned 0.094-in. above and 0.531-in. below the nominal elevation of 2.688-in. above the fixed platform surface.



#### **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:** 0.002 inch

**BOND FORCE RANGE:** Adjustable, 10 to 75 grams

**ESD PROTECTION:** Protection against Electrostatic Discharge

**DISPLAY:** 4 line, 40 character LCD

**CONVENTIONAL TOOL LENGTH:** 0.625 inch x 0.0625 Dia.

**OPTIONAL TOOL DIA:** 0.1250 available

**MICROMANIPULATOR:** Dual counterbalanced, single lever, 8:1 ratio

**RADIANT TOOL HEAT:** Built-in (7316C Only)

**MICROSCOPE:** Selection available (ESD types available)

**ILLUMINATOR:** Selection available (ESD types available)

**WORK HOLDERS:** Wide selection plus custom fabrication services

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

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