

WEST·BOND. INC.



7300C SERIES

MANUAL DIE BONDERS

Continuing a Tradition of Quality

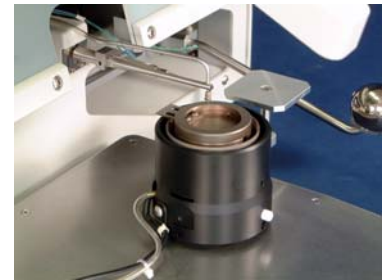
7300C Series

7300C – Single Collet Ultrasonic Die Bonder 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 or ultrasonic 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 7300C, 7316C Offers one collet for vacuum die pickup, placement, and ultrasonic or mechanical scrub. The ultrasonic power and time, or 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, depending on the selected model. Radiant tool heat with temperature control is standard.

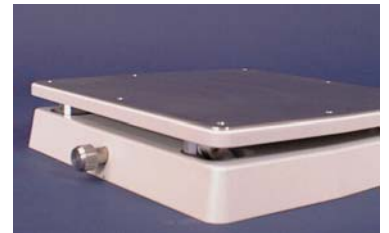


MODEL 7327C offers up to 6 different die collets on a pneumatically operated turret mechanism for complex packages with a variety of die sizes. Desired collets are advanced into position by operator activated push button switch on micromanipulator ball. Six sets of values for length, number of cycles, 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 or -81 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: 0.688 inch
Z ENCODER RESOLUTION: 0.001 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 or 0.437(7327C) x 0.0625 Dia.
OPTIONAL TOOL DIA: 0.1250 available
MICROMANIPULATOR: Dual counterbalanced, single lever, 8:1 ratio
RADIANT TOOL HEAT: Built-in (7316C & 7300C Only)
MICROSCOPE: Selection available (ESD types available)
ILLUMINATOR: Selection available (ESD types available)
WORK HOLDERS: Wide selection plus custom fabrication services

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