

CHOSEN BY LEADING COMPONENT MANUFACTURERS WORLDWIDE

## **STACKING MACHINE**

## SB - series



- Automatically stacks green ceramic sheets from cassettes
- Automatically removes carrier film
- High stacking force
- Short cycle time
- Suitable for large production volumes
- Positioning pin or CCD vision sheet alignment
- Suitable for large scale LTCC applications

## SIMPLE OPERATION, HIGH OUTPUT

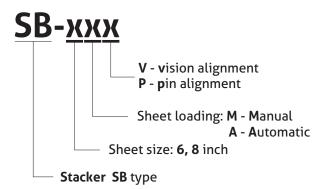
## **BASIC CONFIGURATION:**

The SB series of automatic green ceramic sheet stackers were designed for large scale production of electronic components such as: LTCC, HTCC, Low Layer Count Piezo, MLCI etc. Up to 24 carrier blocks can be processed simultaneously. The carrier blocks are inserted in a cassette from where they are automatically loaded on to the transportation track. The carrier blocks move from station to station according to the program until the stack is built; the blocks are automatically unloaded back in to the carrier block cassette. The system consists of the following main units:

- Transportation track made of a specially shaped timing belt for transportation of carrier blocks.
- Carrier blocks cassette system for automatic loading/unloading of carrier blocks to/from the transportation track.
- Cassette system to automatically feed up to 8 (16) different sheets.
- Alignment system using mechanical pins or CCD Vision.
- Press with paper insertion to achieve a uniform surface and higher layer count.
- Mylar removal station after tacking.

Tehnical specification
Sheet placement: Automatic from foil cassettes
Registration: High accuracy registration pins or PC controlled vision system
Palette: Standard KEKO or customer palettes can be use to build the stack
Stacking and pressing area: 203 x 203 (8 x 8 inch) max.
Press: Hydraulic with the posibility to insert paper sheets to equalize the
pressing force at the stack surface
Stacking force: adjustable 100-420 kN, optionally programable for every
layer
Stacking temperature: maximum 120 °C (250 °F) (upper plate)
Stacking time: programmable
Typical cycle time: 8 sec. (with typically 3 sec. pressing time)
Operator interface: PLC controlled operation
Stacking parameters such as pressure, temperatures, times are adjustable
Electricity: according to the customer requirements
App. dimensions(L x W x H): 2.8 m(110 inch) x 1.6 m(63 inch) x 1.7 m(67 inch)





Standard 24 carrier block carousel transport

\*Options and other requirements have to be specified separately.



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