

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

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.

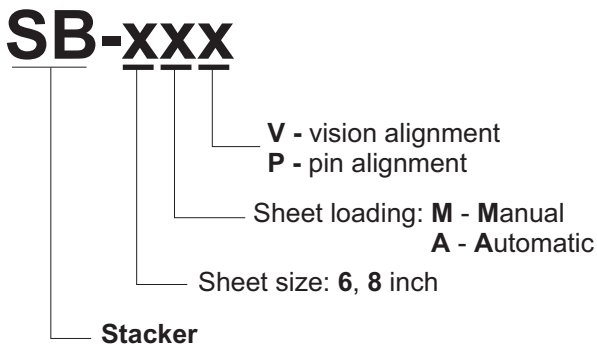
The system consists of the following main units:

- 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.

Technical 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 mm (8 x 8 inch) max.
- Press: Hydraulic with the possibility to insert paper sheets to equalize the pressing force at the stack surface
- Stacking force: adjustable 100–420 kN, optionally programmable 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)

How to order: *



Standard 24 carrier block carousel transport



SB-6AP

* Options and other requirements have to be specified separately.



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