

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 on a high speed carousel. The carrier palettes are automatically loaded on the transportation track. The palettes move from station to station according a repeated programmed sequence for each added layer until the stack is built; the carriers are automatically unloaded in a cassette for easy handling to subsequent processing steps.

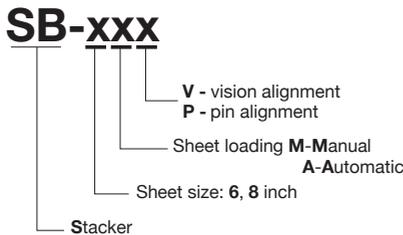
The system consists of the following units:

- A fast transportation track made of a specially shaped timing belt.
- A cassette system for automatic loading/unloading of palettes to/from the transportation track.
- A sheet dispensing system to automatically feed up to 8 (16) different sheets from bins.
- An alignment system using mechanical pins or CCD Vision.
- A tacking press with paper insertion to achieve a uniform surface.
- A Mylar removal station after tacking from the top of the stack.

Technical specification:

Sheet placement:	Automatic from foil cassettes
Registration:	High accuracy registration pins or PC controlled vision system
Palette:	Standard Keko or custom palettes can be use to build the stack
Stacking and pressing area:	Max. 203 mm x 203 mm (8 x 8 inch)
Press:	Hydraulic with the possibility to insert paper
Stacking force:	Adjustable 100 – 420 kN, optionally programmable for every layer
Stacking temperature:	Maximum 120 °C (250 °F) (upper plate)
Stacking time:	Programmable up to 60 s
Typical cycle time:	6 s (with fast tack time)
Operator interface:	PLC controlled operation
Stacking parameters such as pressure, temperature and time are adjustable	
Electricity:	According to customer's requirements
Approx. 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

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