



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.

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

How to order: *

SB-XXXX

V - vision alignment
P - pin alignment

Sheet loading: M - Manual
A - Automatic

Sheet size: 6, 8 inch

Stacker SB type

Standard 24 carrier block carousel transport

*Options and other requirements have to be specified separately.



Grajski trg 15, 360 Žužemberk, Slovenija
T +386 7 3885 200
F +386 7 3885 203
info@keko-equipment.com
www.keko-equipment.com