

AUTOMATIC CERAMIC STACKER IS-3A



- **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**
- **Well suitable for LTCC applications**

Automatic inductor stacker IS-3A consist of following main units:

- transportation track made of special shaped timing belt for transportation of carrier blocks
- carrier blocks cassette system for automatic loading unloading of carrier blocks to the transportation track
- foil cassette system to automatic loading up to 7 (up to 16) different foil pattern.
- alignment press to align the sheets by pin positioning (option by CCD vision) and pressed it on to the carrier plate
- paper press to additional pressing of sheets in order to achieve uniform surface and high layer count
- mylar removing station to remove the mylar after pressing

Up to 24 carrier block can be processed at the same time on the machine. Carrier blocks are loaded in to carrier block cassette and automatically loaded on to the transportation track. Carrier block move from station to station according to the program until stack is build. After stack is build blocks are automatically unloaded back in to the carrier block cassette.

Cycle time/ sheet: 7 to 8s (if pressing time 5 s)

Specification :

Ceramic transfer area: 160 x 160mm (6 x 6"), (optionally 200 x 200mm or 8x8")

Cassette system: 1 cassette with maximum 24 carrier blocks

Transport:

Palette transport: belt
Cycle time: min. 5 sec

Sheet feeding unit:

Consist of 7 (up to 16) cassettes for different sheet pattern design
Mechanical alignment with pins, based on custom sheet design
Option: vision alignment with CCD camera.

Press at stacking unit:

Stacker press force: by four pins 320 N/ each
Pressing time: adjustable

Press for pressing with paper:

Press force: 450 kN
Pressing time: adjustable
Press temperature: max. 120 C
Flatness of press plate: < 10 micron

Mylar removing station :

With self adhesive tape

Dimensions:

L= 2485 mm
W= 1380 mm + 490mm cassette loader
H= 1500 mm

Electrical:

3 x 220 V; 32A; 60 Hz

Air:

250 l/min; 0,6 MPa (oil, moisture, dust free)



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