

# UNIVERSAL STACKERS

## SWU-series



- **Universal manual or automatic stacking machine for LTCC, HTCC or other similar components**
- **Suitable for tapes with, or without carrier film**
- **Process on paper, fixed by vacuum**
- **Possible to start building stack from top or from bottom**

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Suitable for most demanding HTCC and LTCC applications

SWU series of stackers were designed for LTCC, HTCC and other allocations where maximal flexibility is required. On these machines the green ceramic tapes without or with carrier film can be processed. If carrier film supported tapes are used, than carrier film can be removed automatically before taking or after taking. AS sequence is fully programmable any kind of stack can be build up. Stack is built on a heated vacuum table. A high porous paper is used to protect stacking table from contamination. Stacking sequence such as pressing forces and pressing times per each layer are fully programmable via a touch screen interface. Two high resolution cameras controlled by a PC vision system detect registration marks. A x, y and theta alignment table align individual sheet to proper position before stacking.

Automatic machine version is automatically handling sheets from cassettes or trays and places them on to alignment table for stacking.

Fast machine start up, simple operation, high alignment accuracy, small footprint and numerous possible options are making SWU a truly universal green ceramic sheets stacker.

#### Technical specification:

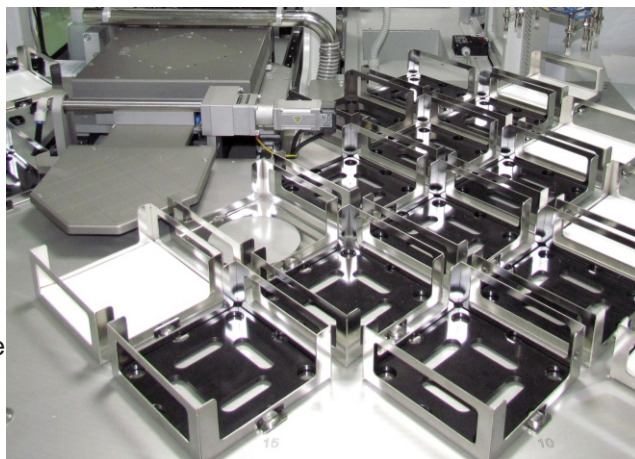
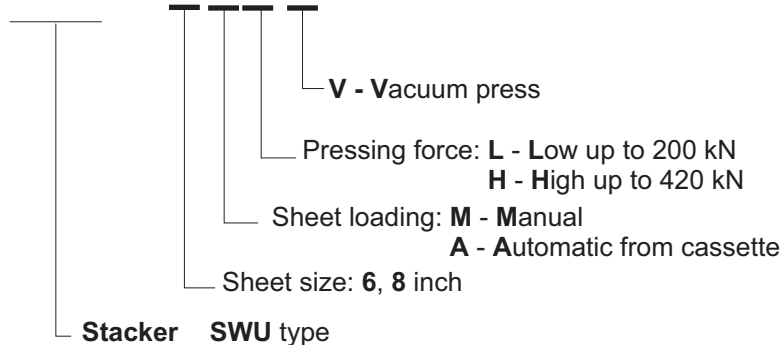
- Number of carrier block processed: 1
- Stacking forces: up to 420 kN (optionally 200kN or 700kN)
- Stacking temperature: up to 80 °C (176 °F)
- Typical cycle time: 15 sec. (depends of stacking time)
- Control: PLC+PC for vision acquisition
- Number vision cameras: 2 (optionaly 4)
- App. dimensions: L x W x H: 1,8 m ( 70 inch) x 1,3 m ( 51 inch) x 2,0 m ( 79 inch)
- Electricity: according to the customer requirements
- Power: app. 5 kW
- Compressed air: 0,6 MPa, 200 L/min.
- Vacuum: -0.09 MPa (0.02 MPa absolute), 200 L/min.

#### Options:

- Gluing station
- Bar code reader, bar code printer

#### How to order: \*

# SWU-XXXX



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