



## Enveloper & Stacker

Stable frame with powder coated corrosion protection. Compact and enclosed body for easy dust collection. Built-in exhaust channels for efficient dust aspiration. Frame bottom side dust collect drawers. Machine top side suspension hooks for easy lifting and installation.

Main drive system with heavy duty precision transmission gearboxes ensure accurate synchronization of the machine drive elements.

The machine is equipped with three plate infeed conveyors. Enlarged and ventilated plate infeed conveyors where plates individually oriented at three sides (left/right/bottom) for perfect plate pickup. Easy and fast plate type changeover features through designated spacers.

### QUICK OUTLOOK

- Reliable design and operation
- Three identical infeed conveyor
- Vacuum by-pass for correct element making
- User friendly operation
- Up to 110 envelope per minute
- Comprehensive technical documentation and efficient after-sales support

Vacuum produced by heavy duty blower fitted with filter. Vacuum is channeled through machine frame for trouble free and durable vacuum transmission. Plate feeder system with vacuum pick head

designed to ensure optimum plate picking performance. Plate feeder can be easily adjusted for different plate specifications.

Double separator decoiler provides easy and fast roll changeover. Unique design separator feeding and cutting device. Easy and fast separator length adjustment by gearmotor drive.

Special spring steel folding sheet guarantees consistent envelope making with perfect crease orientation. Pneumatic cylinder fitted shuttle ensures reliable plate insertion into the enveloping station.

### BASIC FEATURES

- Heavy duty frame
- Standard vertical conveyor
- HMI with easy stack programming
- Stacking made by stacking wheel

Integrated plate detection system in coordination with vacuum by-pass unit at the second plate feeder guarantees accurate plate stacking capability. All plate feeding units are fitted with plate detection sensors for smooth and correct element building.

Three disk stacking wheel ensures reliable stack building, driven by machine main drive for smooth operation.

Cam controlled gearmotor driven extractor is unique design system for optimum and smooth element extraction.

Identical end plate infeed conveyor after stacking wheel facilitates user friendly operation. Motorized cam controlled plate feeder of the end plate feeder dispenses plate smoothly under each stacked elements.



Vertical element exit conveyor can be easily adjusted for wide range of element specifications. Individually driven with inverter control smoothly moves elements. All elements are vertical and horizontally aligned by alignment system which can easily and quickly be adjusted for various element specifications.



Machine is fitted with colour mark detector for machine stop in case of defected separator sector. Easy and fast stacking programming. Machine lighting provided three sector of the machine.

#### AVAILABLE SERVICES

- Full English documentation in hard and soft copy
- Installation & commissioning
- Remote access PLC support
- Phone support
- On-site service support
- 12 month warranty

Versatile HMI programming enables tracing of machine speed, data counting and optional setting configuration.

Machine can process most of the plates in automotive size battery processing.

Plate width: 107-150mm  
Plate height: 95-175mm  
Plate thickness: 1,0-2,5mm  
Element: 20-115mm

#### OPTIONS

- Leaf type separator integration - Combi
- Polarity sign painting
- Lug counting
- Escape system for COS loading
- Oversize plate processing
- Spare part set

#### TECHNICAL DATA

Capacity	:	Up to 110 enveloped plates per minute
PLC	:	Siemens S7
HMI	:	Siemens TP177 series
Pneumatic	:	Festo / SMC
Electric	:	220/380V – 3 Phases – 50/60 Hz.
Installed Power	:	8 Kw
Compressed Air	:	6 Bar – 2 cbm/hr (clean and dry air)
Typical Weight	:	4.200 Kg (uncrated)