



BT270-HB ENVELOPER

FAST AND USER FRIENDLY

A versatile enveloper available to process all type of plates in PE envelope or AGM processing. Gentle handling of the plates ensures enhanced consistency and efficiency in the operation. The machine is equipped with several optional systems for COS integration.



FAST
DELIVERY



EXPERT
CRAFTING



PREMIUM
SERVICES

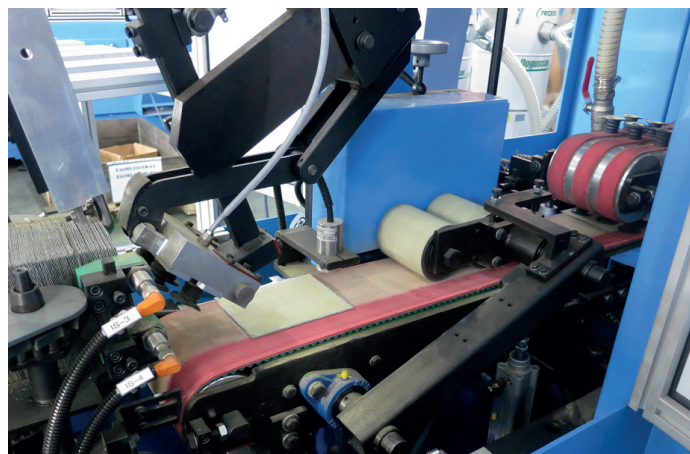
LOOK BEYOND RUDIMENTAL EXCEL IN ASSEMBLY

Flexible, durable and cost efficient products brought you with remarkable performances. Brilliant designs and precision crafting in machining culminate in expertly fabricated machineries.

BT270-HB

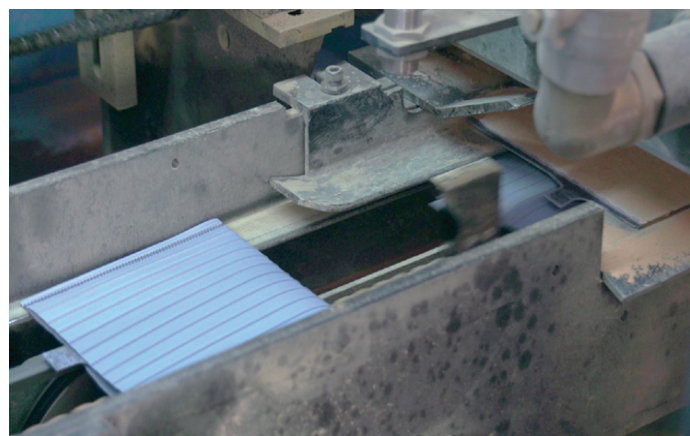
ENVELOPER

BT270-HB is a cutting edge enveloper with several features ensuring user friendly and efficient operation. The machine is available for PE envelope processing. Optionally AGM processing can be integrated. It can handle all plates types available in the market with a capability of offering synchronized group feeding into COS.



Heavy duty frame with modular plate feeding conveyors. Three way plate feed orientation with individual orientation control. Plate separator unit for releasing single plate during plate feeding. Plate feeder vacuum cut-air blow system to ensure smooth plate feeding. Enhanced vacuum blower and vacuum bypass system for both plate feeding conveyors. Two identical plate infeed design with horizontal plate transport, vacuum pick and place conveyors. Double plate detection unit on the horizontal transport.

Motorized separator roll decoiler with feed control. Easy and quick setting separator feed guides. Servo driven separator feeding with HMI based length adjustment. Colour mark detector to stop the machine for discarding.



Servo driven plate shuttle to feed plates in precision into envelope. Automatic by-pass system where separator feed and plate feed pause as per stacking program to build group with additional plate. Servo driven folding & cutting device which automatically resets with the separator length change. Roller separator guides to ensure reliable and smooth separator feeding through enveloping station. Enveloping station with pressure adjustable sealing wheels. Plate accelerator belt drive after enveloping station. Easy and quick setting plate guides at the main track. Servo driven main track running in synchronization with all machine drives.



Three row belt vacuum conveyor to transfer the plates from horizontal conveyor to main track. Vacuum separation & plate release unit to ensure smooth plate drop on to the main track. Toothbelt drive transmission to reduce noise at the main drive.

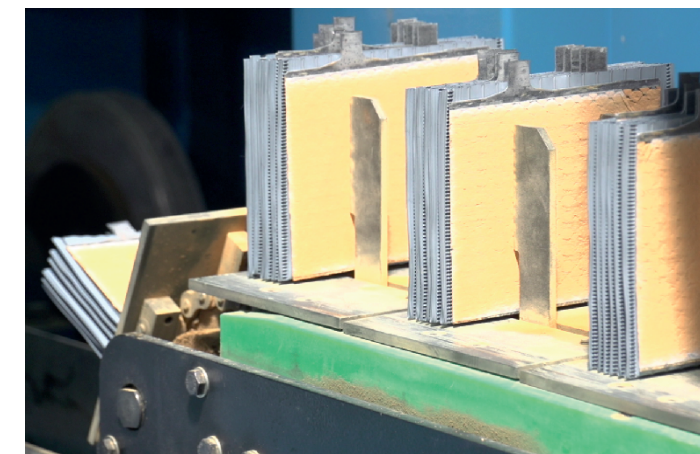
Plate detection system through main track, plate feed by-pass system at the second plate infeed conveyor. Plate accelerator belt drive prior to stacking wheel. Plate aligning unit before stacking wheel take off. Six disc stacking wheel for smooth stacking at high speeds. Plate drop table at extractor station, motorized non-push group extraction with speed and acceleration control.

Squeeze type exit conveyor with no setting requirement. Individual speed control for exit conveyor. Heavy duty motor drive for exit conveyor. Horizontal and vertical group alignment at the conveyor.

Machine enclosed electric switchboard. Machine pneumatic inlet incorporated by pressure control. Moving operator panel with HMI and button controls. Machine speed and numeric setting by means of HMI functions. Production figures and diagnosis provided at HMI.

TECHNICAL DATA

Electric: 220/380V - 3P -50Hz (or as required)
Power: 16 KwA
Compressed Air: 2 cbm/h @ 6Bar
Fume Ventilation: 14000 cbm/h
Operator: One
PLC: Siemens S7
HMI: Siemens
Pneumatics: Festo / SMC
AC Motors: SEW Eurodrive
Servomotors: SEW Eurodrive
Control Voltage: 24V DC



Machine is equipped with sound absorbing front doors and rear doors. All machine doors are integrated with safety switches. Emergency buttons provided at several locations of the machine. Error signal lamps provided at the machine.

The machine is available for both LH and RH flow direction. Comprehensive English documentation in hard and soft copy provided with the machine supply.

Plate Width: 107-150mm
Plate Height: 95-175mm
Plate Thickness: 0,9-2,5mm
Group Thickness: 18-60mm

AVAILABLE OPTIONS:

Lug brushing system
Separator splice station
Secondary separator decoiler
AGM processing tool
Lug counting
Lug bending
Group spraying
Escape system
Longer exit conveyor
Spare part set

Min Backweb: 0,2mm
Separator Thickness: 0,9-2,0mm
Max Separator Width: 170mm
PE + Glasmat Processing: Available
Max. Capacity: 130 envelopes/min.
Networking: Available
Remote Access: Available
Standard Weight: 7000 Kgs