



# FULLY AUTOMATIC BLOCKMOULD MACHINE (VERTICAL TYPE)



## Features and Advantages

- Fully Automatic, Vertical Type, CE Certification
- One side opening door which ensures the steam and vacuum tightness 100 % during the process.

## Production capacity

- 15-20 block/hour - 15 kg/m<sup>3</sup> density
- Machine Color: RAL 5012 Light Blue
- Automatic Filling Silo with vacuum blower
- Foam Deloading Conveyor with weighing system
- Complete body insulated by Glasswool
- Blockmould elevator and exit conveyor for 4 pcs blocks
- PLC Automation System (Siemens-Germany)
- Color Touch Screen Panel size 12.2" (Siemens-Germany)
- Recipe Menu 99 pcs
- 2 pcs Foam Pressure Control (Jumo-Germany)
- Automatic Feeding Injector, Blow-Back Spec. Diameter Ø250-1 pc
- Steam Pres. Control Valve (Gemu-Germany)
- Pneumatic Control Unit (Festo-Germany)
- Steam Chamber Walls made by AISI 304 Stainless Steel Wedge Wire (Made in Belgium)
- Hydraulic System (PARKER-Germany)
- Filling Control Switch
- Printing Module (RS232)
- Internet Service Module (Siemens-Germany) - optional
- Production Reporting Module (Siemens-Germany)
- Steam, Foam, Production Diagram (Siemens-Germany)
- Homogenous Block density (+/- 3%)
- Low energy consumption and high output



# DRY VACUUM UNIT

## Features and Advantages

- CE Certification
- As an alternative to the standard vacuum units, the new type dry vacuum system is used without condenser. The system which has closed-circuit cooling system, equipped with 2 heat exchanger unit. With this system, water loss and the need for cooling towers disappeared. With high efficient dry vacuum system, it is possible to produce dry and lower internal tensioned blocks. System will be designed according to blockmould machine.
- Cylindrical Vacuum Tank 5-10 m<sup>3</sup>
- Steam/air exchanger
- Vacuum Pumps
- Water/air exchanger and closed water circuit for vacuum pumps.
- Condenser water separation system.
- Piping and pneumatic butterfly valve group.





# AUTOMATIC EPS SHEET CUTTING LINES

from 2000 to 6000 mm lengths



## BLOCK TILTING UNIT

Hydraulically operated unit with feeding conveyor for 4 pcs blocks and centering pneumatic unit.



## AUTOMATIC WIRE SETTING FOR HORIZONTAL CUTTING

- Ossilation stroke: 30 mm
- Ossilation Speed: 120 rpm/min
- Wire quantity: 80 wires
- Wire thickness: 0,47 mm
- Minimum cutting thickness: 10 mm (not for the complete block)
- Compressed air pressure: 6-7 bars
- Wire setting time: 1,5 min
- Servo motor & Invertor: Bosch Rexroth
- PLC: Siemens S7/1500
- HMI Panel: KTP 400/600/700
- Fuses: SchneiderSchrack
- Contactors: Schneider
- Photocells: Sick
- Profibus modules: Wago
- Motors & Gearbox: BonfiglioliYilmaz
- Hydraulic: Parker
- Pneumatic Drives: Festo
- Pneumatic Cylinders: Pemaks
- Bearings: SKF-INA



## TOP SCRAP RECOVERY UNIT

Equipped with vacuum suction unit, the skin come out from the top of the blockmould collected via 1400 mm conveyor

- Max. Sheet Thickness: 20mm
- Max. dimensions W:1300mm H: 1200-1600 mm



## PRECRUSHER FOR SCRAP RECOVERY SYSTEM

- Number of crusher shaft: 2 pieces
- Motor-single 4 kW
- Max.density to crush: 35 kg/m<sup>3</sup>
- Max.crushing thickness: 3040 mm
- Material transport fan: 5.5 kW included



## DESTACKING

- The welded and bolted framework made of Standard steel profiles is grounded and painted blue according RAL 5012
- Capacity: 14-16 block/hour
- Servo driven stacking/ de-stacking adjustment
- Synchronized operation between cutting line and packing machine

