EPS TECHNOLOGIES

Small Scale Batch Type Pre-Expander (For Lost Foam)

Working pricible of the batch type, to expand a fxed mass of raw material in a fxed volume which enables to reach easily desired density

Dosing Unit, to weigth the rigth amount of EPS for the adjusted density. Filling to the vessel is done by gravity.

Expansion chamber made of AISI 304 stainless steel, cylindrical shape.

Agitator and accessories made of AISI 304 stainless steel, speed control via drive. With the adjustable speed in different steaming phases, enables to process different materials.

Discharge door located on the foor of the vessel, to empty the chamber fast.

Fluidized bed dryer, parts made of AISI 304 stainless steel, where the expanded material going out from the expansion chamber to dry the beads. The unit is equipped with a steam-air heat exchanger inside, which avoid the beads from thermal shock.

Material Transport unit, has a rotary valve system, to send the material to the silos.

The system fallows the selection after the order fnishes the machine stops as well. For 2nd expansion, same slecetion steps are possible. From all the silos, you can make 2nd expansion process.

High Density processing: The air and steam adjustment can be done automatically, in quatity an temperature during all expansion stages. This unit helps to expand densities over 50 kg/m³ till 100 kg/m³. Density Control unit and module allow to adjust the density automatically to the set value.

AKKAYA®
EPS-EPP TECHNOLOGIES

Density Control Unit

Density control unit and module used for regulating the density by weight adjustment automatically.

Process Valves

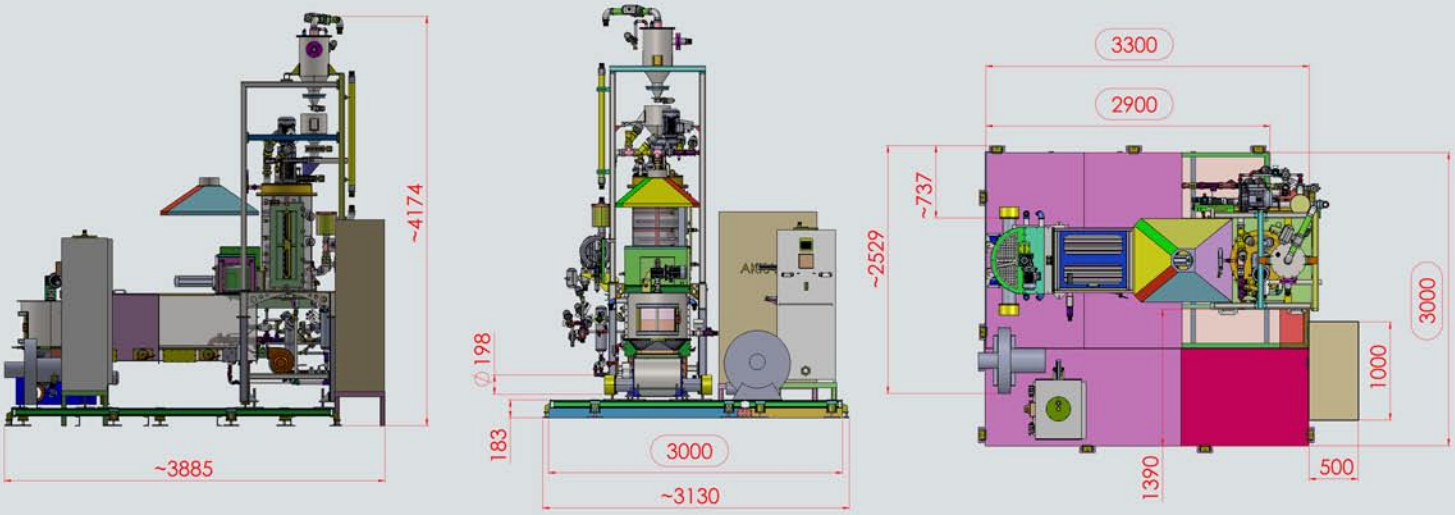
Equipped with GEMÜ-GERMANY process valves with proportional control for steam, exhaust; steam-air mixing for high density. Vacuum blower and a tank for sucking raw material to the filling bunker.

Machine Control Panel

Machine is controlled by BACHMANN type PLC. Touch panel size 12.1" full color. With this display operator can change process parameters, and recipes can be added, changed and saved in the PLC. Also can be transferred to any place.

Technical Data

Working Pressure: max. 0,45 bar
Chamber volume:150 lt
Chamber material stainless steel - dryer stainless steel
Dosaging - manually with precision scales (material is scaled with precision scales and is poured to the machine) Scaling 1000/1 (material feeding max 3,5 kg for 150 lt)
Steaming and exhaust adjustment proportional steaming valve
Installed power : 8,4 kw
Color : RAL 5012



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