

SEMI-AUTOMATIC BATCH FOAMING MACHINE



SALIENT FEATURES:

- YY-03 is suited to produce Standard, HR and Visco foam by discontinuous method by auto-metering of chemicals according to the formulation saved on the computer.
- The quantity of raw materials/ block dimension can be controlled by varying the factor on the computer according to the block dimension.
- The machine does not involve any cleaning process after each block. It has self cleaning system by polyol enabling to produce blocks continuously.
- Production capacity maximum of 12-15 blocks/ hour of any size is possible and 100 blocks/ shift if achievable.
- Larger mixing vessel enables to produce high-densities of bigger dimension.
- Major streams like Polyol, TDI, MC, Water and Silicone are pumped out

automatically.

- Catalysts like Tin and Amine are added manually for precision purpose.
- High-precision pumps to give accurate output not requiring to calibrate the streams often.
- Leak-proof pumps are used for TDI and MC.
- Final and one-time cleaning is done by auto flush using MC and no water is required for cleaning thus keeping the work area neat and clean.
- Adjustable mould size enables to produce blocks of any dimension not requiring separate mould for individual sizes and avoids any wastage.
- User-friendly software enables to save multiple formulations, switch between formulations during the process, control timing of each operation required for different density of foam.
- Separate controls on the control panel (other than the software) to do each process manually.
- Pneumatic operation for flushing in case power supply is interrupted
- Easy movement of moulds on rail for faster productivity.
- Efficient cooling/ heating system to maintain the temperature of individual raw materials to the required processing conditions.
- Individual Charging pump for major streams.
- High speed Calcium blending / transfer unit to preparing the mix in closer ratio enabling to use 1:2 ratio.

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