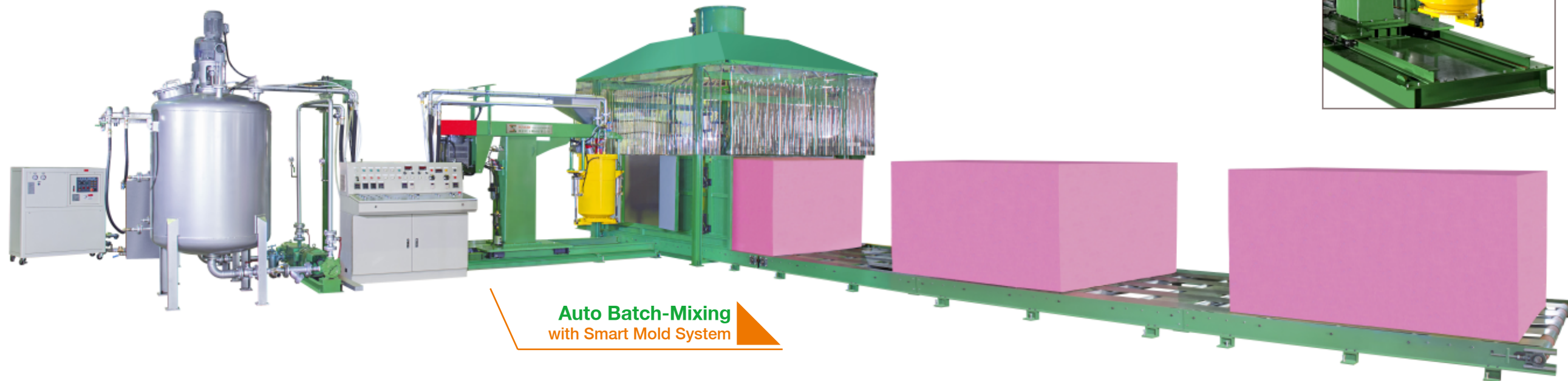


# SA-1BM Block Foaming Machine



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## About the Machine

The SA-1BM is fully automatic discontinuous foam block production machine. It can produce rectangular and round blocks, and is compatible with flexible, high resilience (HR), rigid, semi-rigid, and viscoelastic polyurethane materials.

The SA-1BM consists of a mobile mixing system, a chemical metering and recirculation system with pneumatic injection valves, and mixing time control. As soon as the mixing time elapses, the hatch on the mixing barrel automatically opens to load the mixture into the mold. The foam block fully rises inside the mold; after the mold is dismantled and the foam removed, the mold is reassembled for the next block production.

An additional SA-1BVF Vacuum Foaming System can be added for production of low density foam blocks under 10 kgs/cubic meter; it reduces production hazard as well as material costs.

### Output

Max Injection Weight: 150 kgs

10 blocks, or 1.5 tons of foam, can be produced per hour by three operators with three molds OR one Smart Mold.

Foam Density: 18 - 45 kgs/m<sup>3</sup>

\*Methylene Chloride is advised for densities less than 13 kgs/m<sup>3</sup>

\*SA-1BVF (vacuum foaming system) is recommended for densities less than 10 kgs/m<sup>3</sup>

**Total Power Required: 22kW**

### Mold Sizes

Rectangular Block Mold Maximum Size: H 300cm  
W 220cm  
H 125cm

Cylindrical Block Mold Maximum Size: D 200cm  
H 230cm

### Supply Scope

- Machine (base & framework)
- Chemical mixing barrel
- Polyol (1500 kg tank)
- TDI (1000 kg tank)
- Methylene Chloride (300 kg tank)
- Metering and mixing system
- TDI sub-tank
- Pipe work, chemical storage volume and pressure gauge, temperature gauge
- Control panel
- Mold

### Add-Ons

- Mixing motor: 10HP, 15HP, or 20HP
- Add silicone tank (100 kg, stainless steel)
- Add tin tank (50 kg, stainless steel)
- Add water tank (100 kg, stainless steel)
- Add pigment tank (50 kg, stainless steel)
- Add alternative polymor polyol (e.g. HS100)
- Add filler (e.g. CaCO<sub>3</sub> or melamine)
- Add alternative isocyanate stream
- Add chiller or heater unit for chemical temperature control
- Add cylinder mold
- Add adjustable rectangular mold
- Add Smart Mold System

To find out more, please visit  
<https://www.foam-machinery.com.tw/>