

Sponge template grinder machine

Fincorp Engineering produces a wide variety of *Foam processing equipment*. Among them is the *Sponge Template Grinder* machine.

This machine is used to form the bath and scrubbing foam sponges into various shapes depending on customer requirement.

The machine is equipped with a dual template carousel with a foam insertion assembly. (Not shown) The operator inserts the foam piece then turns the carousel into the grinding position. A variable speed rotating wheel turns the sponge against the grinding wheel according to the template. At the end of the cycle (up to 15 Seconds) the grinding is complete and the piece is removed.

A vacuum system (optional) removes the ground foam which can be recycled.



The grinding operation is done by a custom made profile *grinding wheel*. This wheel is hand made in our shops and is driven by a powerful 3 Kw hi speed motor.

The mold rotating drive is a variable speed DC drive. This controls the grinding speed which is dependant of the foam density. This makes this machine Ideal for all Densities and Porosities (Sea Sponge).

This machine comes with one *grinding wheel* and two *templates* as standard equipment. Other templates and grinding stones are available as optional.

General Specifications

- Semi-Automatic feeding of foam pieces.
- Foam pieces up to 120x200x60mm can be processed
- Pneumatic pressure control on the template.
- 3 Kw grinding wheel motor drive.
- Variable speed D.C. drive for template rotation.
- One adjustable loading station for proper foam positioning.
- Electric requirement: 380 VAC. 3 Ph 5 amps.
- Air requirement: 5 bars.