

Bonded Foam Plant BFP-150

Fincorp Engineering produces complete bonded foam plants to help foam producers better manage their waste by producing Hi density Hi quality bonded foam. (60-160 Kg/m³) This is done by shredding the waste foam in a Hi speed shredder (Also available from Fincorp Engineering) then using the bonded foam plant to turn the shredded foam into Hi density blocks.

With the addition of 10 to 20 % bonding chemicals, the shredded foam turns (after few hours curing) into hi density Bonded Foam.

The system consists of the following:

Foam Mixer:

The Foam mixer is composed of a mixing tank with a standard capacity of seven cu. meters of shredded foam. It is equipped with the following:

1. Heavy-duty steel construction for industrial Mixing application.
2. Hi efficiency heavy-duty mixer.
3. Pneumatic activated side door for product delivery into the mold.
4. Twin Heavy-duty mixer gear-motor.
5. Twin chemical feed tanks with manual controls including a spray header.
6. A loading and operating platform with stairs.
7. A heavy-duty support structure.



Heavy Duty Mechanical press.

The press is constructed of a heavy-duty steel frame equipped with the following:

One heavy-duty Hydraulic cylinder with extended rage (150 cm).

A heavy-duty mold press platen with guiding rods.

A steel top mold plate attached to the press.

Lock in place system for mold alignment.

Mold.

The mold will be heavy-duty steel fabricated, with standard size 100 x 200 x 200 cm with All steel construction, Manually operated block extraction doors. Heavy duty casters with bolted rails
Lock in place system for proper alignment.



Machine specification:

1. Mixer capacity up to 9.5 cu. Meters. (200 Kg.hi-density)
2. Production capacity up to 1 block every 4 hrs with one mold, cure time is 4 hrs.
3. Mixing and processing time 15 min.
4. Mold size: Standard 100x200x100 Up to 180x200x200.
5. Two chemical tanks with air connections.
6. Removable spray header.
7. Control panel with Computer controls for mixing and injecting.
8. Required space 4x6 meters by 6 meters height.
9. Power requirement: 380 V. 50 Hz. 3 Ph. 25 Amp