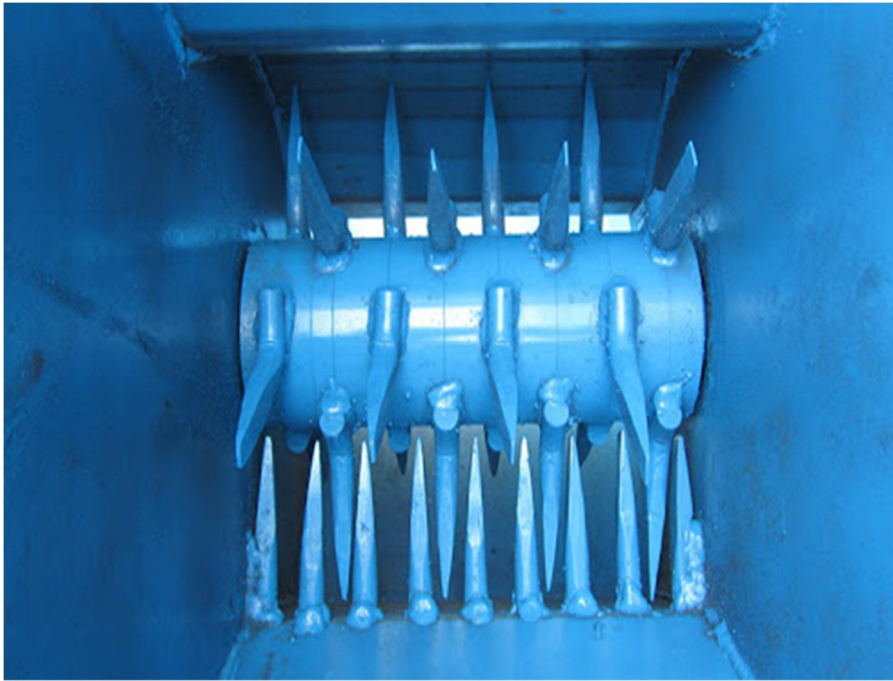


# Ice Crusher



"H.K. Associates" ice Breaker in many application like chemical rections or preserva-tion of perishable goods, ice is used but it has to be broken down into small pieces of about 10 mm to 25 Sizes for best results.

Breaking of ice is done by machines known as " Ice Break-ers". When quantity of ice required is quite high, breakers can break down the entire Slab of ice weighing as much as 250 kg. but in majority of applications, especially in chemi-cal industries, such big machines are not required. Instead, smaller machines are developed which can take pieces of ice weighing about 15 to 20 Kg. and break them down to 10 mm to 25 mm. There will, of course, be some big pieces and fines also.

Ice Breaker is a small machine meant for industrial use. It has a rotary drum with number of pointed spikes. The drum rotates at a slow speed driven by an electrical motor of 2 HP, through V- belts and T pulleys. From the top of the machine, ive immediately can be colected on floor. The feeding point is at a convenient height.

The Production capacity of VARAHI ice Breaker is about 2 to 3 tonnes per hour. The limitation to production is normally posed by the limitation of feeding rate and of lifting rate of crushed ice. As a normal praectice, ice is crushed only when required to avoid its melting and hence this production rate is quite satisfactory for most of the applications.

The machine is mounted on a frame made from MS channel. The frame has two rubber wheels and fixed supports for easy transportability and it can be moved by one man from place to place, if required. The rotating drum with spikes rotates on two heavy duty self aligning ball bearings. The body of the machine is made from MS sheet. The top of the machine is also covered. The rotary drum with plunger blocks and bearings can be easily lifted out of the machine from its place for changing the bearings whenever required.

**Technical Specifications**

- Model : 200
- Capacity : 2-3 Tonnes per hour
- Weight : 200 Kg. approx.
- Drive : 2 HP
- Size : 800 x 1600 x 1100mm.