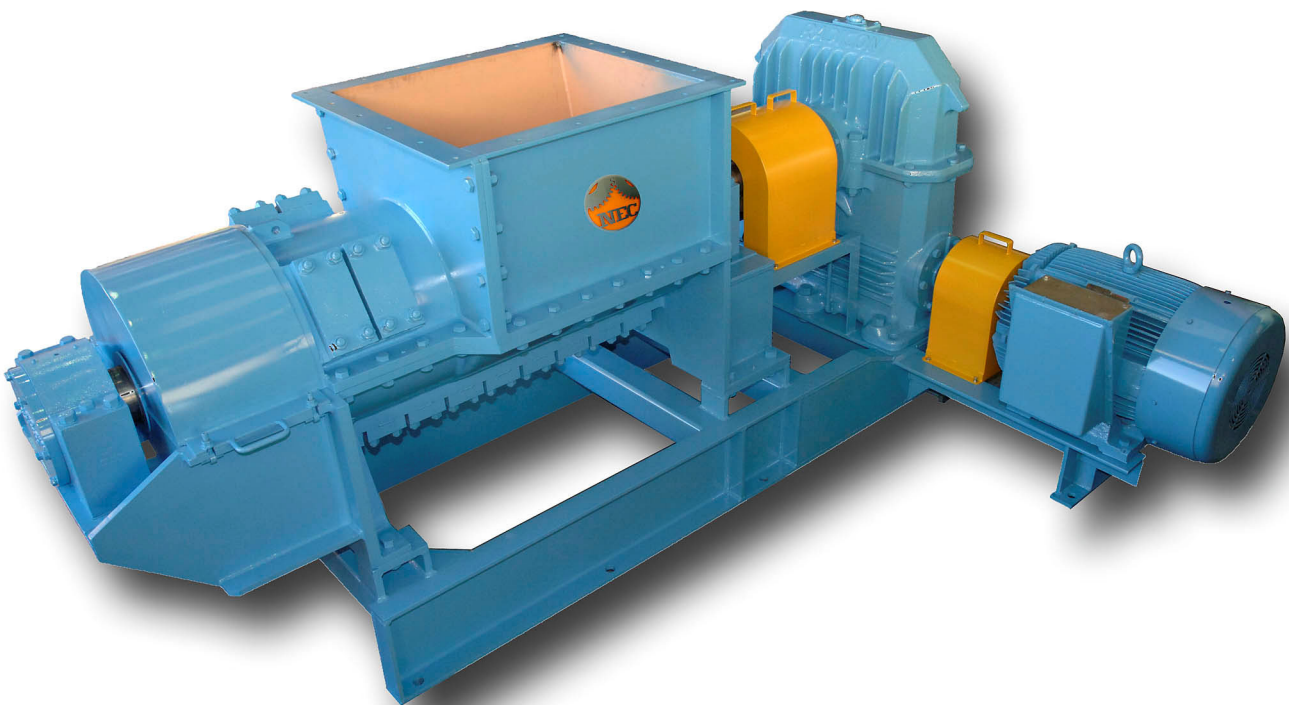




Napier Engineering & Contracting Ltd

PRE-BREAKER TYPE PB6



For the size reduction of whole fallen animals, condemned carcasses, green bone etc. prior to transport or rendering.

In addition to applications in the meat industry, special versions of the machine can be used for size reduction of fish wastes and other products, including rubber tyres, plastic blocks, fibre board, leather etc.

Specifications

Pre-breaker PB6 and Drive Assembly

Dimensions

Typical, depends on drive specification

Weight	Width	Length	Height
8000 kg	3900 mm	2600 mm	1800 mm

Surface Finish

External:

Prime paint and topcoat blue enamel.

Internal:

Rust preventative coating on bare metal.

(Full hot dip galvanised body, anvils and hammers are available to special order)

Construction

Drive shafts, hammers and anvils can be custom designed for particular applications

Body:

Fabricated in mild steel of continuous welded construction.

Drive Shaft:

High tensile steel shaft, fully machined.

Bearings:

Self-aligning spherical roller bearings in sealed housings.

Hammers:

High tensile steel special form and hard surfaced, ground leading edges and keyed to shaft.

Anvils:

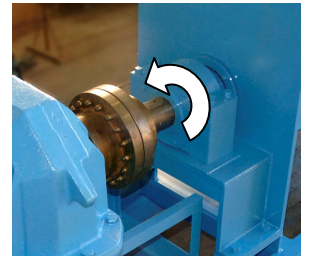
Cast steel special form with hard surfaced and ground leading edges. They are bolted into body of the pre-breaker and can be removed for sharpening or replacement.



Drive Requirements

The standard drive arrangement consists of a 4-pole electric motor, direct coupled to the input shaft of a worm gearbox, size 17", ratio 15/1. The output shaft is direct coupled to the pre-breaker. (NEC can supply customised drive parts, base-plate and guards, for any specified application.)

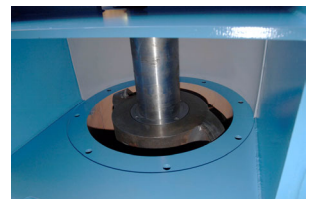
The shaft is driven in an anticlockwise direction at approximately 100 rpm. A 4 pole, 125 kW, 3 phase motor is recommended.



Orifice Plates

Orifice plates in various opening sizes can be fitted, for control of output texture. They have hard surfaced and ground leading edges, and are bolted onto the discharge outlet.

When fitted with an 8-hole orifice plate, the machine has a capacity from 25,000 to 30,000 kg/hour (depending on material), when driven at 100 rpm by the recommended motor.



Foundation

The machine and drive components should ideally be mounted on a concrete plinth or floor, as this reduces the noise when operating.

If it is mounted in an elevated position, using a steel support frame, the structure needs to be heavy and solid enough to withstand the vibration and jolting of the unit during operation.

Full specifications and dimensions are available on application.