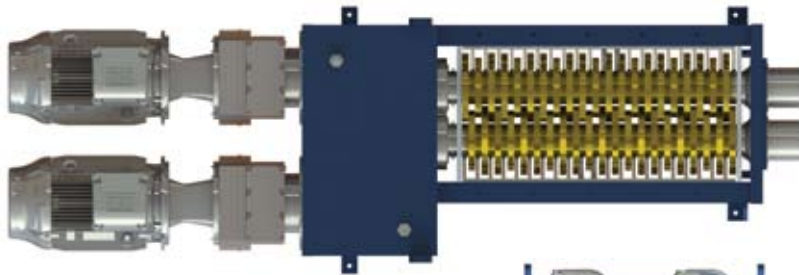


Brentwood Pre-breakers are available in a range of sizes from 15kW up to 60kW with outputs ranging from 7T/hr up to 35T/hr.

A variety of cutter widths and configurations can be applied to our pre-breakers to achieve a range of sizing outcomes and throughputs.



AZ50HDM-1000



AZ80/60M



Sizes from 15kW to 60kW

Throughputs from 7T/hr up to 35T/hr

High torque/low speed = low maintenance

Planetary gearboxes for exceptional duty cycle and low noise

High surface hardness and core strength, repairable alloy cutters

Hexagonal alloy shafts for superior strength

Standard with Brentwood PLC Control Panel with HMI interface and Cat 3 safety.

Auto reverse and overload protection

Close tolerance cutting action

Permalube system to keep bearings lubricated

Australian made for Australian conditions

Fast access to spares and service

Model	AZ50HDM-1000	AZ50HDM-1200	AZ50HDM-1400	AZ80/60M
Capacity (tons/hr)	12-17	14-19	16-21	27-35



Brentwood Pre-Breakers are available in a wide range of sizes and configurations.

We can also customise a Pre-breaker to suit your throughput and sizing requirements.



Specifications

Pre-breaker	Power (kW)	Full Load Current (amps)	DOL starting current (amps)	Shaft Centres (mm)	Shaft Diameter (mm)	Length Over Cutters (mm)	Cutting Chamber Width (mm)	Machine Length (mm)	Machine Width (mm)	Machine Height (mm)	Weight (kg)	Cutter Options (mm)
AZ15WLM	15	27	216	180	60	575	490	2226	900	398	900	20/31
AZ50HDM-1000	37	66	536	229	120	905	599	3127	1048	425	2300	20/31/47/62
AZ50HDM-1200	37	66	536	229	120	1030	599	3327	1048	425	2600	20/31/47/62
AZ50HDM-1400	37	66	536	229	120	1240	599	3527	1048	425	2800	31/47/70/94
AZ80/60M	60	80	640	250	105	1300	650	3600	1200	603	5000	31/47/70/94

Options

Cutters	Brentwood cutters can be supplied in various widths and hook configurations. The choice of cutters is determined by the throughput and material size requirements, machine size, and the material to be shredded. Brentwood cutters are manufactured from a high strength alloy steel that is hardened to 60RC. Brentwood cutters are repairable and in many cases can be fully reconditioned by Brentwood.
Output Sizing	Sizing of the output material is dependent upon the width of the cutters, the number of hooks, and the distance between each hook. Typically the material will be the same width as the cutter and around 75mm in length. Longer pieces are possible up to 200mm depending upon the type of material and how it presents to the cutting zone. 20mm cutters are recommend for blowing applications however heads and hocks cannot be in this stream. 31mm cutters are also suitable for blowing and ram applications and all by-product material can be shredded. Where the material is soft offal only, we recommend our range of Gut Cutters.
Seal Protection Plates	Seal protection plates with stainless steel bushes are fitted at each end of the cutting chamber to provide a primary layer of protection to the main bearings. The stainless steel bushes are replaceable.
High Pressure Seals	Triple high pressure seals protected by dirt ring shields act as a second secondary layer of protection for the main bearings. This configuration provides the highest level of protection available in our range of shredding equipment.
Cutting Chamber Lengths	Our standard cutting chamber lengths are noted above and take into account seal protection plates at both ends. Brentwood shredders can be supplied with longer or shorter cutting chambers if required. This can be advantageous when integrating the shredder to existing plant or if greater throughput is required.
Hoppers	Hoppers for pre-breakers are specially designed to reduce bridging and allow flow of material into the cutting zone. We can modify our hoppers to suit your upstream configuration.
Stands	Our standard range of stands are designed to suit most applications however we can customise a stand as required.
Control Panels	Brentwood shredders are supplied with a DOL (Direct on Line) control panel fitted with our NEW HMI interface and PLC control. This panel conform to a Category 3 safety rating and features our unique shredder control program that allows configuration of the shredder to suit your application. This panel also features our Brentwood ECO VARI-DRIVE system for dual motor pre-breakers to assist in power usage reduction.
Infeed and Discharge Systems	Brentwood manufacture a full range of conveying systems that can be integrated with your shredder to create a full turn key plant solution. We can design full plants to shred, convey, sort, and recover solid waste streams.
Spare Parts	Brentwood carry a wide range of parts for our shredders. Call our Spare Parts Team for all your parts requirements
Service	With regular scheduled maintenance, your Brentwood shredder will give many years of trouble free service. We can advise on a maintenance plan for your machine or we can offer our full service capabilities to maintain your machine for you.