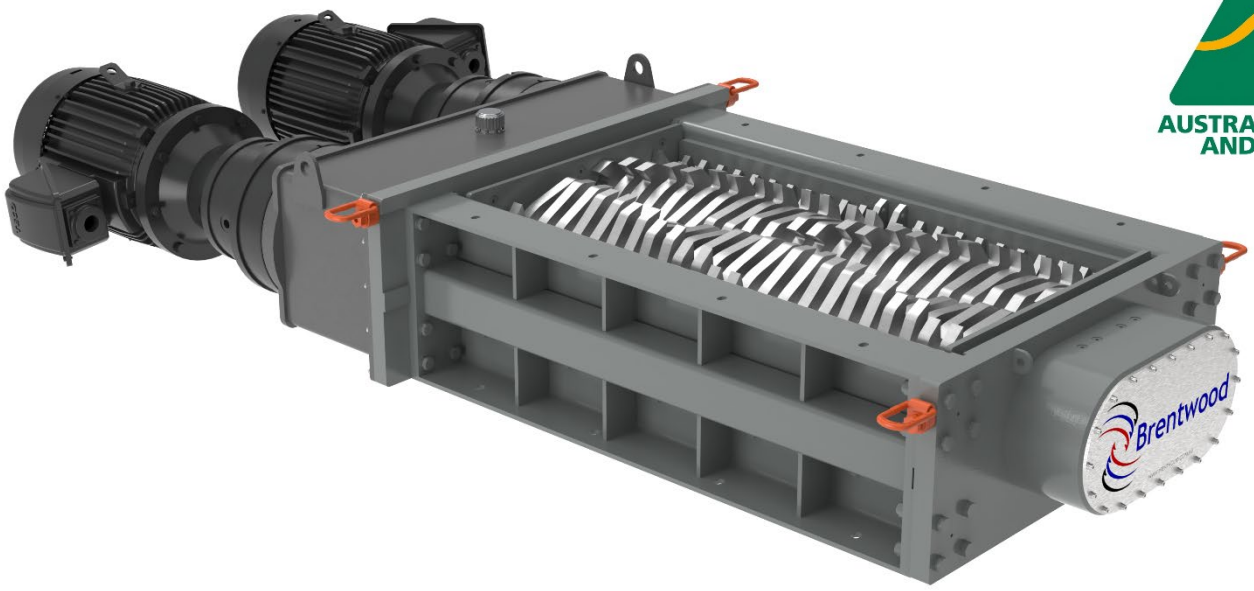
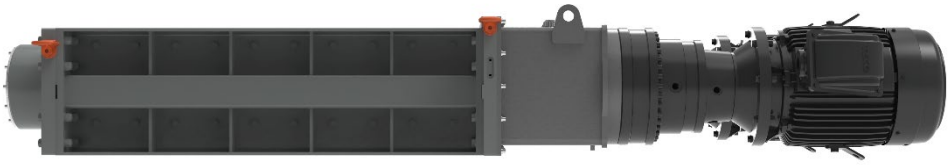
XTR74-M Pre-breaker



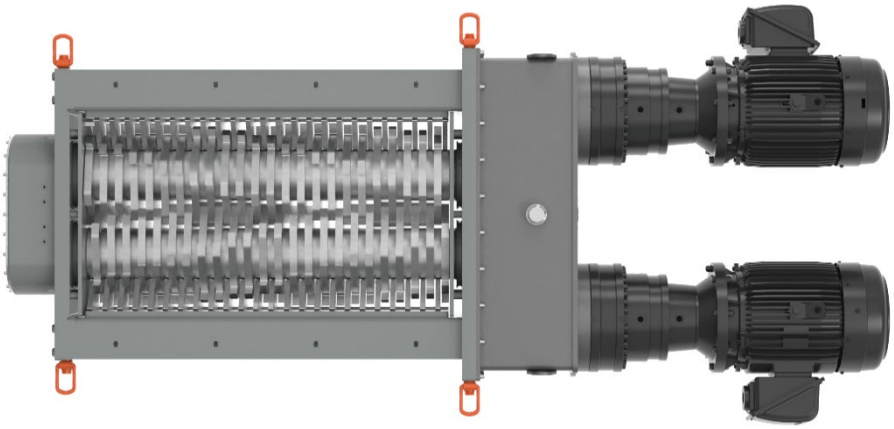
PRODUCT OVERVIEW

A large pre-breaker suitable for up to 50T/hr of boning room material. 30mm 5 hook alloy cutters provide improved output sizing over hoggers. Capable of whole carcass shredding



KEY FEATURES

- 74kW drive with planetary gearboxes
- 30/45/60 mm cutters
- 160mm hexagonal shafts
- Seal protection plates both ends
- Hot dipped galvanized cutting chamber
- DOL or VSD control panels



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SPECIFICATIONS

Power	415V, 50Hz, 74kW (2 x 37kW)	Length over cutters	1470 mm
Full load current	134 amps	Cutting chamber width	825 mm
DOL starting current	1072 amps	Length	3563 mm
Cutter options	30/45/60 mm	Width	1710 mm
Approx throughput (mix of hard and soft materials)	Up to 50T/hr	Height	554 mm
Output sizing (approx.)	Cutter width x 60-120mm with some longer pieces	Weight	5000 kgs

FEATURES

Australian Made	Brentwood manufacture our range of pre-breakers and gut cutters at our facility in Unanderra, NSW, Australia.
Cutters	Cutters can be supplied in various widths and hook configurations depending upon the type of material and the output required. Cutters are manufactured from a high strength alloy case hardened to 60Rc. Brentwood cutters are repairable and, in many cases, can be fully reconditioned by Brentwood.
Standard cutter widths	30/45/60mm
Cutter Tensioning	Brentwood's shaft pre-tensioning system allows for simple tensioning of the cutters using standard tools ensuring fast removal and installation of cutters during maintenance. Brentwood's cutter tensioning system improves shaft life and ensures cutter stack sealing to minimise shaft corrosion.
Cutting Chamber	Our standard cutting chamber lengths are noted above and take into account seal protection plates at both ends
Output Sizing	Size 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 recommended for blowing applications however heads and hocks cannot be in this stream. 30mm 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 are fitted at each end of the cutting chamber to provide a primary layer of protection to the main bearings.
High Pressure Seals	Grease purged radial lip seals coupled with labyrinth seals act as a robust layer of protection for the main bearings. Sacrificial shaft runners are fitted to protect the shaft. This configuration provides the highest level of protection available in our range of shredding equipment.
Bearing lubrication	Manual 6 point lubrication according to maintenance schedule. Fully automatic lubrication system optional. Food grade lubrication optional.
Gearcase Lubrication	Large top mounted gearcase oil filling port with strainer. A visual oil level indicator is fitted on the main gearcase. A tap with a plug is fitted for easy drainage of the gearcase.
Shafts	Hexagonal shafts manufactured from high grade alloy steel
Gearboxes	Brentwood pre-breakers are fitted with heavy duty direct drive planetary gearboxes
Designed for Assembly and maintenance	The XTR series has been designed from the ground up to be simple to assemble and disassemble with standard workshop tools. Main legs are removable for easy disassembly. Jacking points are included to assist with disassembly. Removable gear case to allow higher level maintenance without cutter stack disassembly. Balanced lifting points on end plate, gearcase, and finger assemblies. Anti corrosion coatings on mating surfaces.
Corrosion Protection	The XTR range features a galvanised cutting chamber with the main gear casing, motors, and gearboxes coated with 2 pack epoxy. Mating interfaces are O-ring protected.
Spare Parts	Brentwood carries a wide range of parts for our pre-breakers. Call our Spare Parts Team for all your parts requirements
Service	With regular scheduled maintenance, your Brentwood pre-breaker 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.
Plant Integration	Flat infeed/discharge interfaces for easy integration into infeed and discharge arrangements
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 an IP56 DOL (direct on line) control panel fitted with a HMI interface and PLC control. This panel conforms to a Category 3 safety rating and features our unique shredder control program that allows configuration of the shredder to suit your application. IP66 stainless steel panels are also available. A VSD (Variable speed drive) option is also available to limit starting current.
Infeed and Discharge Systems	Brentwood manufactures a full range of conveying systems that can be integrated with your pre-breaker to create a full turn key plant solution. We can design full plants to shred, convey, sort, and recover solid waste streams.
Lifting Points	Each pre-breaker has removable lifting points to allow for a range of lifting options when installing and removing the pre-breaker.