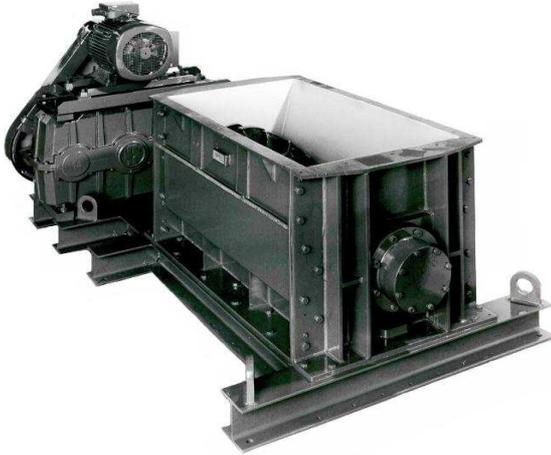




# Pre-breaker



## Design

The Lildal Pre-breaker is a heavy-duty construction designed to receive and effectively downsize whole carcasses and slaughtering offal from various animals. The crushed particle size is equal to or below 50 mm which is suitable for both batch and continuous processing and complies with EC Regulation 1774/2002 method 1. The particle size is suitable for feeding via Screw conveyor or Raw material pump (Piston or Lamella pump) to further processing in either Continuous cookers or Batch cookers. The rough working environment in which the Pre-breaker operates require machinery that can withstand these hard working conditions.

Because of that are the knives tipped with hard alloy steel to give both a longer lifetime and to reduce wear. And the drive line is protected against damage by our own coupling construction mounted with safety shear pins. These pins shear by sudden overload occurring by blocking. This protects both the pre-breaker construction and the drive line from shock loads.

We have also thought of the energy consumption. The knives has been placed in a spiral along the knife axle minimizing the shock effect to the construction and securing a smooth crushing with low energy consumption. Another advantage of this way to place the knives is that the crushing is more efficient and time saving because the knives gets a better hold of the animal/waste.



## Process

**Input:**

Whole carcasses  
Red meat offal and bone  
Poultry whole and poultry offal

**LILDAL Pre-breaker**

**Output:**

↓  
Crushed material with a  
particle size equal to or below 50 mm  
complying with processing method 1  
EC Regulation No. 1774/2002  
suitable for batch and continuous systems

Design Features	Customer Benefits
Heavy duty rugged construction	Long lifetime and minimized maintenance costs
Gearbox with flexible clutch provided with safety shear pins	Protects the gear box against damage by blocking of Pre-breaker knife
Knife teeth tipped with extremely hard alloy steel	Optimal cutting and increased lifetime of the knife
Knives are placed in a spiral along the knife axle	Minimizes energy consumption and shock effect on the construction
Knife is easy accessible	Detachable sides of the Pre-breaker box makes maintenance easy
V-belt drive	Steady and quiet operation
Jacket cooled squirrelcage induction motor mounted with centrifugal clutch	Efficient motor and a soft start-up securing long lift-time of the drive line

Distributor/ Agent



## Pre-breaker, continued

### Technical specifications

<b>Capacity Lildal type LPB-660</b>	
Load capacity	15-20 ton/hour
<b>Pre-breaker inlet opening</b>	
Length	1515 mm
Width	860 mm
<b>Dimensions incl. standard stand</b>	
Length	3400 mm
Width with motor	2065 mm
Height	2600 mm
<b>Weights</b>	
Net weight	6.300 kg
<b>Motor size (Standard 3x400 V/50 Hz)</b>	
Motor	37 kW



Pre-breaker delivered to Japan

### Configuration

<b>Standard</b>
The Lildal Pre-breaker is as standard delivered complete with drive line and standard heavy duty stand
<b>Options</b>
Customized heavy duty stand
Inlet chute delivered with access opening
Simple outlet chute for feeding into bins
Outlet buffer with bottom screw to feed either a Feed screw or a Raw material pump
Motor voltage other than standard
Local electrical control box mounted with start/stop/reverse and emergency stop

### Certification

Crushes material in accordance with EC Regulation 1774/2002 laying down health rules concerning animal by-products not intended for human consumption
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