

JONO[®]

6 KEY TECHNOLOGIES

MECHANICAL SHREDDERING





Lindner Atlas Stationary Primary Shredder

Based on the proven belt concept, the Lindner's Atlas primary shredder sets new efficiency standards with its high-performance planetary gears, innovative DEX (Dynamic Energy Exchange) energy recovery system and asynchronous shaft control. Delivering consistently high throughput, built for tough applications and equipped with the new FX fast exchange system, this shredder provides maximum uptimes and can be relied on to keep the line going.



Lindner Komet Stationary Secondary Shredder

The Lindner Komet sets new standards in single-shaft shredding. Whether you are processing municipal or bulky refuse, industrial or commercial waste, textiles, waste paper or other materials – the Komet ensures smooth processes 24/7 thanks to its robust design, high-precision tools and smart features. Benefit from its first-rate particle quality and superb efficiency.



LEO Primary Shredder

Working Principle: Driven by the hydraulic motor, two main shafts with special-shaped knives rotate in the shredding chamber. When dropped into the shredding chamber, the material was torn, sheared, and squeezed by knives and counter-plate.

Application: MSW, bulky waste, industrial waste.



Taurus Primary Shredder

Working Principle: Two shafts with knives in the shredding chamber shred the waste by tearing, shearing and squeezing.

Application: MSW, bulky waste, industrial waste.

■ Please refer to the product manual for more equipment.



PRODUCT INTRODUCTION

ARIES DOUBLE SHAFT SHREDDER

ARIES primary shredder is a robust and reliable shredder mainly applied in processing MSW, bulky waste and industry waste. It typically goes first in the waste mechanical treatment.

WORKING PRINCIPLE

Driven by the hydraulic motor, two main shafts with special-shaped knives rotate in the shredding chamber. By the action of tearing, shearing, and squeezing caused by knives and counter-plate, material is shredded into smaller pieces, which makes the later treatment or transportation easier and more efficient.



TECHNICAL DATA

	Aries1200	Aries1600	Aries2000
Shredding chamber (L×W)	1.2×1m	1.6×1.2m	2×1.3m
Weight (machine body)	12t	19t	25t
Power	2×55/75KW	2×(75-132)KW	2×(90-160)KW
Number of shaft	2pcs	2pcs	2pcs
Knife thickness	20-50mm	30-80mm	50-100mm
Speed of main shaft	10-50r/min	10-50r/min	10-50r/min
Output size	50-300mm	50-300mm	50-300mm

*Through capacity can vary depending on the material.

FEATURES

- The main shaft adopts average point compression lock structure, which saves labor and is convenient for disassembly.
- It is optional to choose pressing device to realize better feeding and crushing of materials such as barrel.
- According to different materials and requirements, the driving mode can be motor + reducer or hydraulic drive motor + reducer.
- Specially designed bearing sealing system prevents foreign matter from entering the bearing.
- The main components of the hydraulic system are from the first-class international brand, bringing the smaller impact and stable performance to the machine.

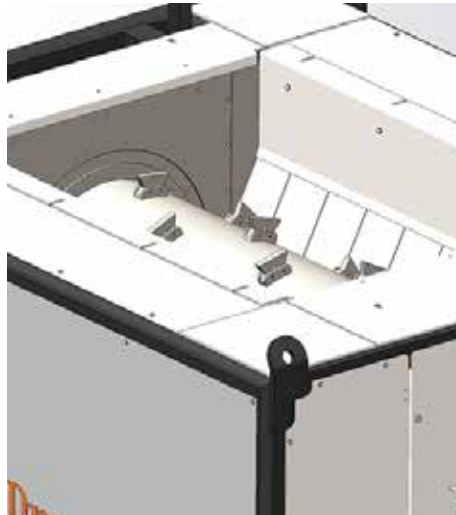


DRACO BAG OPENER

The Draco bag opener is compact and designed with the standard module. The machine is mainly used in the automated production line of light industrial and commercial waste treatment where it is responsible for unpacking materials such as plastic bags and chemical fiber bags for better subsequent sorting and recycling.

WORKING PRINCIPLE

After the material enters the machine, the main shaft with the knives rotates to squeeze the material into the fixed counter knife, and the bag is opened by the tearing of the knife and the fixed counter knife. Afterwards, the material falls off the bag opener.



TECHNICAL DATA

Model	Draco7018A
Equipment dimensions (length × width × height)	3650×2400×2120mm
Throughput capacity	15-25t/h
Rated voltage	380v
Rated frequency	50Hz
Rated power	45KW
Protection level	ip 55
Equipment weight	7t

*Through capacity can vary depending on the material.

FEATURES

- The machine frame adopts the steel box frame type, the equipment is rigid and stable, and the weight is light, which is convenient for installation and maintenance of the machine.
- It adopts single-shaft hydraulic motor double drive mode and advanced servo hydraulic pump set, to get the high torque and save energy.
- Continuous positive and negative rotating, smooth operation and small impact.
- The counter knife station can be customized to achieve the control of the opening power to fit different materials.
- Knives are movable, easy to maintain.



LEO PRIMARY SHREDDER

Leo primary shredder is a robust and reliable shredder mainly applied in processing MSW, bulky waste and industry waste. By this LEO primary shredder, material is shredded into smaller pieces, which makes the later treatment or transportation easier and more efficient. It typically goes first in the waste mechanical treatment.

WORKING PRINCIPLE



input



output

Driven by the hydraulic motor, two main shafts with special-shaped knives rotate in the shredding chamber. When dropped into the shredding chamber, the material was torn, sheared, and squeezed under the action caused by knives and counter-plate. In this way, the material was shredded continuously.

TECHNICAL DATA

Model		LEO2618	LEO1816
Dimensions (L×W×H)		4.8×2.6×1.1m	3.9×2.5×1.1m
Shredding chamber (L×W)		2.6×1.8m	1.8×1.6m
Weight (machine body)		20t	14t
Power		250-315KW	160-200KW
Number of shaft		2pcs	2pcs
Number of knives		24pcs	16pcs
Knife thickness		80mm	80mm
Speed of main shaft		10-30r/min	10-30r/min
Output size		90% ≤250mm	90% ≤250mm
Throughput capacity	MSW	40-60t/h	15-30t/h
	Bulky waste	10-30t/h	5-10t/h
	Industrial waste	20-40t/h	10-20t/h

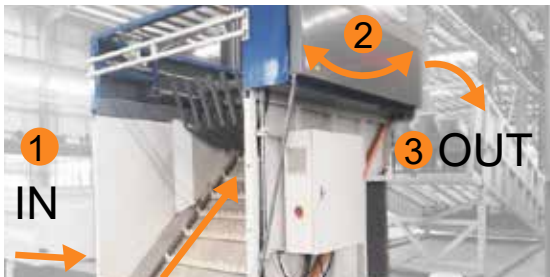
FEATURES

- ◆ The main shafts are forged out of alloy steel and treated with multiple heating process, which makes the main shafts impact-resistant.
- ◆ The knives welded on the main shaft are made of imported highly wearproof material. By hardfacing the knives, they can serve for a long time in a good form.



Bag crusher is used to preliminary bag-opening of the bagged MSW waste and deco-ration waste. The bagged waste is opened by swinging knives,then continuously and uniformly transported to the next unit under the action of knife gap,which facilitate the processing of subsequent processes.

WORKING PRINCIPLE



Bag opener is installed on the upward side of chain conveyor,which is inclined mounted.The waste in hopper is transported to the chamber of bag opener by chain plate conveyor. The distance between swinging knives and waste be transported up decreases and decreas-

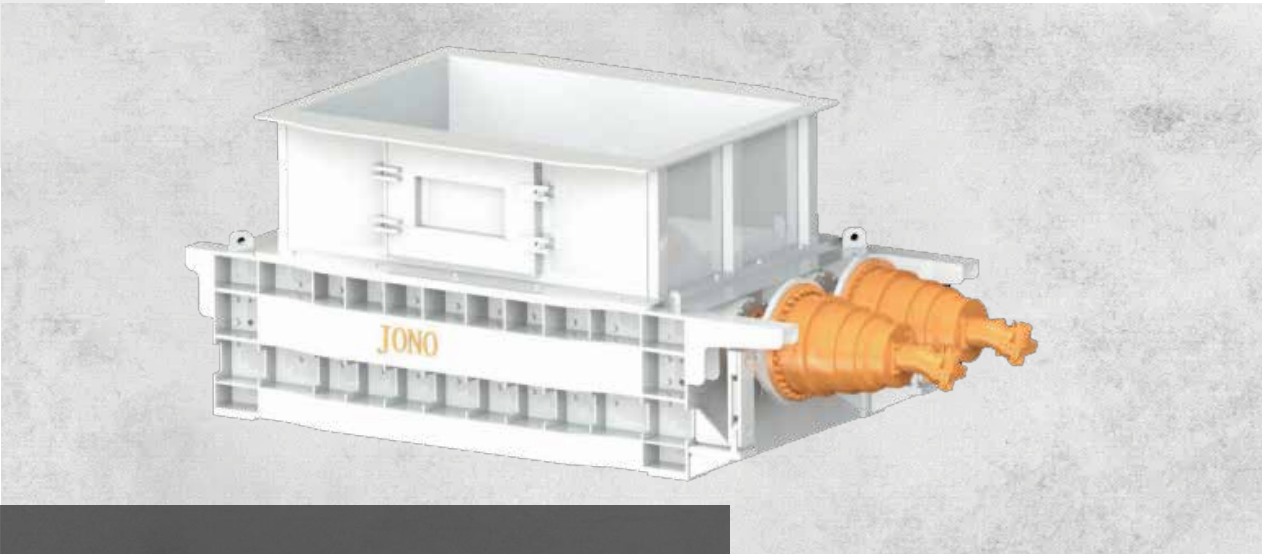
es,the moving knives mounted on the knife shaft, under the influence of trans-mission mechanism, can achieve swing, bagged material less than the distance will be opened. The material from opened bags is transport out from the tail with the chain conveyor.

TECHNICAL DATA

Model	HT1
Dimension	4300×2800×3900mm
Weight	4T
Distance of bag-opening	100-400mm
Volume of hopper	5m³
Power of chain conveyor	2.2KW
Power of compressor	2.2Kw
Power of bag opener	5Kw
Cylinder Power of gap adjustment	5.5Kw
Rated Voltage	380 V
Rated frequency	50 Hz
IP Grade	IP 55
Material of knife	Tungsten steel
Capacity	30-130m³/h

FEATURES

- Independent imported bag opener.
- The material monitoring system can control the material feeding amount according to the mate-rial in the hopper and bag breaking machine.
- Solid chain conveyor, adopt the original imported ROET tensioning device.
- Made of tungsten steel bag cutter, strong and sharp, and replaceable design.
- High value recycling can be realized without destroying the original physical properties of mate-rials (size, shape).
- The equipment feeding and discharging chute is designed according to the site and material conditions.
- The special pocket knife can be designed according to the demand inside the barrel.
- Hydraulic system can quick regulate system. One key to set the distance between knives and bags. Convenient, safe and efficient.
- The cylinder controls the feeding thickness ,the discharging is uniform, can realize overload protection.



TAURUS PRIMARY SHREDDER

Taurus primary shredder is a robust and reliable shredder mainly applied in processing MSW, bulky waste and industry waste.. It typically goes first in the waste mechanical treatment.

WORKING PRINCIPLE

Driven by the hydraulic motor,two main shafts with special-shaped knives rotate in the shredding chamber. By the action of tearing ,shearing ,and squeezing caused by knives and counter-plate, material is shredded into smaller pieces, which makes the later treatment or transportation easier and more efficient.



TECHNICAL DATA

MModel		Taurus2618	Taurus1816
Dimension (L×W×H)		5.3×2.3×1.2m	4.6×2.3×1.1m
Shredding chamber (L×W)		2.6×1.8m	1.8×1.6m
Weight (machine body)		22t	14t
Power		180KW	150KW
Number of shaft		2pcs	2pcs
Number of knife		18pcs	16pcs
Knife thickness		80mm	80mm
Speed of main shaft		8-20r/min	8-20r/min
Output size		90% ≤250mm	90% ≤250mm
Throughput capacity	MSW	20-30t/h	10-20t/h
	Bulky-waste	5-10t/h	3-5t/h
	I&C waste	10-20t/h	5-10t/h

FEATURES

- The main shafts are forged out of alloy steel and treated with multiple heating process, which makes the main shafts impact-resistant.
- The knives welded on the main shaft are made of imported highly wearproof material.By hard-facing the knives, they can serve for a long time in a good form.
- Specially designed bearing sealing system prevents foreign matter from entering the bearing.
- Simple structure provides convenient assembly and maintenance.
- Hydraulic station + hydraulic motor + planetary reducer drive, makes it cost-effective,high torque, and long service life.
- The main components of the hydraulic system are from the first-class international brand, bringing the smaller impact and stable performance to the machine.

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GREEN TECHNOLOGY FOR EVERY FAMILY

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