

JUPITER. 1800 - 2200 - 3200



Product description



Slow-running single-shaft coarse shredder for primary size reduction of non treated material with large foreign parts.

Application

Shredding of non pre-treated domestic waste, commercial and industrial waste, bulky waste, waste wood, mixed building construction waste, etc.

Throughput capacity

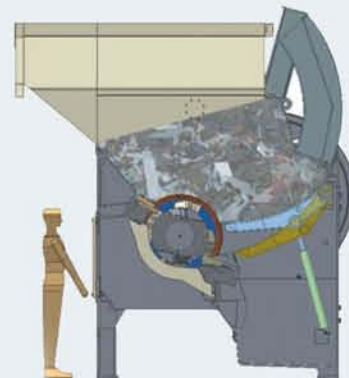
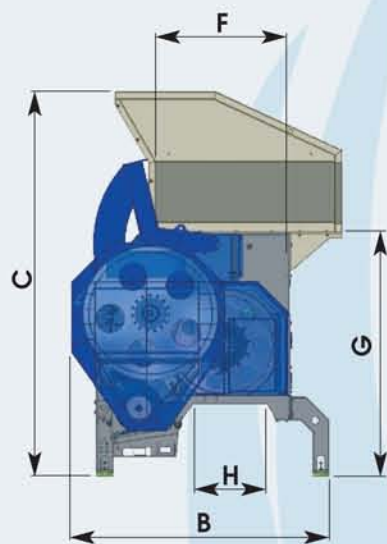
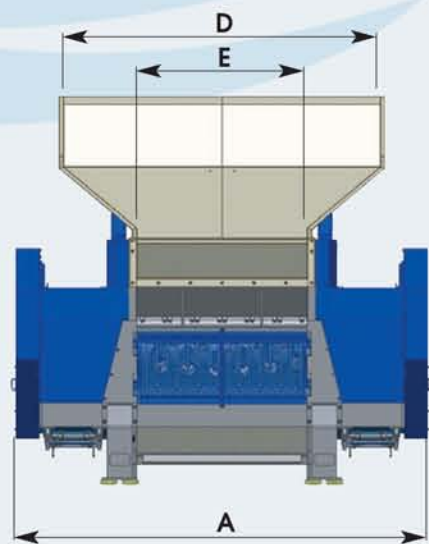
Approximately up to 50 tons per hour (domestic waste / output size approx. 100 - 300 mm*)

Technical data

	JUPITER 1800	JUPITER 2200	JUPITER 3200
Feed opening	3645 x 2365 mm	4000 x 2365 mm	5050 x 2365 mm
Hopper space	approx. 3 m ³	approx. 5 m ³	approx. 8 m ³
Shredding area	1800 x 1750 mm	2135 x 1750 mm	3190 x 1750 mm
Rotor length	1790 mm	2135 mm	3190 mm
Rotor periphery	745 mm	745 mm	745 mm
Rotor speed	58 rpm	51 rpm	58 rpm
Number of blades	20 pcs.	24 pcs.	36 pcs.
Counter-blades bottom	5 pcs.	6 pcs.	9 pcs.
Scrapers top	5 pcs.	6 pcs.	9 pcs.
Drive power	1 x 200 kW	2 x 110 kW	2 x 160 kW
Hydraulic pusher system	11 kW	11 kW	11 kW
Screen	approx. 100 - 300 mm	approx. 100 - 300 mm	approx. 100 - 300 mm
Weight	approx. 26000 kg	approx. 30000 kg	approx. 39000 kg

Dimensions

in mm	A	B	C	D	E	F	G	H
JUPITER 1800	4830	3260	4900	3645	1790	1700	3090	1030
JUPITER 2200	5200	3260	4900	3990	2140	1700	3090	1030
JUPITER 3200	6250	3260	4900	5050	3190	1700	3090	1030



Flap for removal of large foreign parts - large foreign particles can easily and quickly be removed without clearing the cutting chamber.



Input-material



Output-sizes: 100 - 300 mm*

* Values for the orientation; depending on material, input- and output-size.

JUPITER. Heavy Duty Single-Shaft Shredder.

we reduce it. waste. costs. problems.



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Status quo: October 2006 - technical changes, literal mistake and errors reserved.



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Screen Unit



Screen-sickles in quality steel screwed individually with variable distance. Access through maintenance door

Maintenance Door / Foreign Part Flap



Direct service-access to rotor. Quick removal of large foreign parts out of the cutting chamber. Service friendly maintenance door. Easy change of knives



Control System



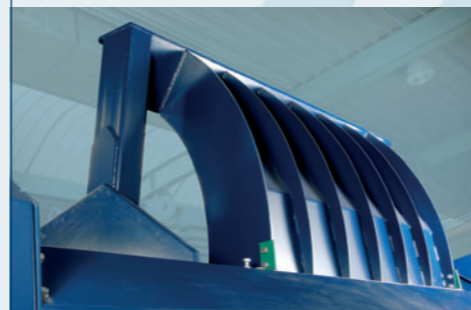
Programming for material-specific machine-adjustments. Service- / inspection- / failure-signals



Frequency Converter



Performance optimization, reduction of energy-requirement and selective rotor-speed control



Hydraulic Pusher System



Problem-free material-supply to rotor by sickle-shaped pusher system



Monofix-System



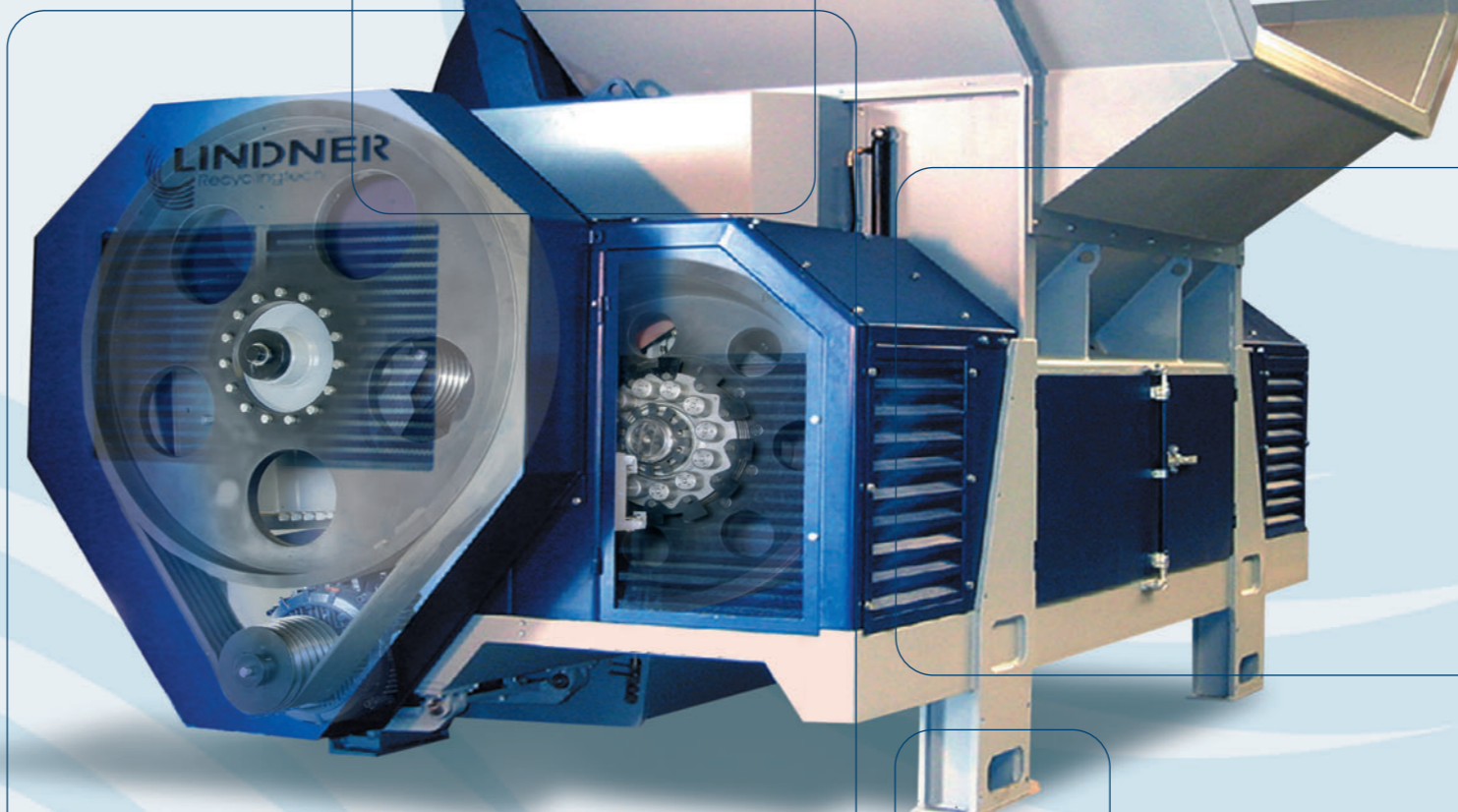
Knife fixation with only one screw. Quick change of knives



Single-Shaft Milling Rotor



High granulation quality and efficiency at low vibration run by spiral knife-assembly



Direct Drive / Countershaft Drive



Electric motor by belt-drive and transmission on rotor. Simple, robust and low-maintenance drive system



Safety Clutch



Protection against massive machine damage by safety clutch directly mounted on rotor shaft



Leveling Device



Machine-foot-element as leveling device and as vibration cushion



Central Lubricating System



Easy lubrication of the most important bearings