

The Unique Horizontal Shredder **for XL-volumes of mixed scrap**



The Leopard 400 – Leopard 1600

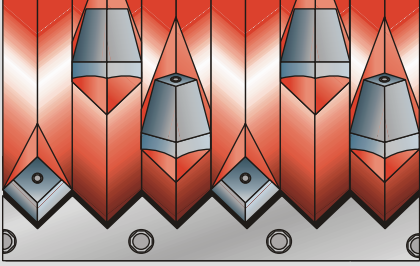
versatile and powerful

The WEIMA Leopard 400 – 1600 is an unique horizontal shredder that incorporates a special track infeed system. This patented system gives the Leopard the capability to grind large volumes of mixed scrap. It can handle almost any kind of scrap whether it is strips,

blocks, slabs or bundles of material as they come of a rip or optimizing system or an angular saw. It is also used to grind bundles of molded pieces like vinyl siding, window profiles and rippings. The Leopard delivers an enormous output and can really shred it all !!!

Advanced technology for size reduction

Leopard technology



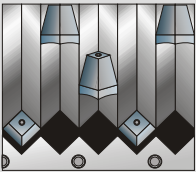
Patented V-rotor

- Optimum material intake
- Minimum cutting knife wear
- Low power consumption yet high output
- Narrow cutting gap between rotor and counterknife (Super-Cut)
- Defined knife projection

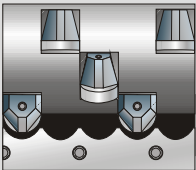
The profiled V-rotor is manufactured in one piece and mounted by sturdy rotor bearings. Special knife holders are welded into milled knife pockets around its circumference. The cutting knives are inserted into these holders and screwed in place from behind. As a result, quick knife changing is possible because the design prevents the screw heads from being damaged during shredding. The concave cutting knives can be turned four times and guarantees a precise cut at a high throughput rate.



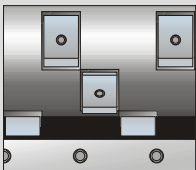
Other rotor versions



Profiled rotor with cutting knives inserted in the recesses



Flat rotor with round or pot knives



Flat rotor with rectangular or square turnable knives

The unique horizontal grinder

Leopard 400 – Leopard 1600

The shredder for a wide range of material

This machine was specifically designed and developed for the high volume grinding of strip bundles and blocks coming off large panel saw or angular saw application, as well as for the grinding of molded pieces in the plastic and recycling industries. The patented Leopard chain-link belt feed system enables it to pull the

material to the rotor in 'bundles'. Normal horizontal shredders are working with feeding rolls that are only able to pull in one part at a time.

For XXL volumes, WEIMA America can provide a Jumbo or Super Jumbo version with rotor diameters up to 24 inches (600 mm).



Leopard 800 with combined feeding system for blocks and strips integrated in a fully automatic roughmill application



The screen size perforation determines the size of the shredded material



Custom machine configurations



Leopard 600 in an angular saw application fed with a vibrating conveyor

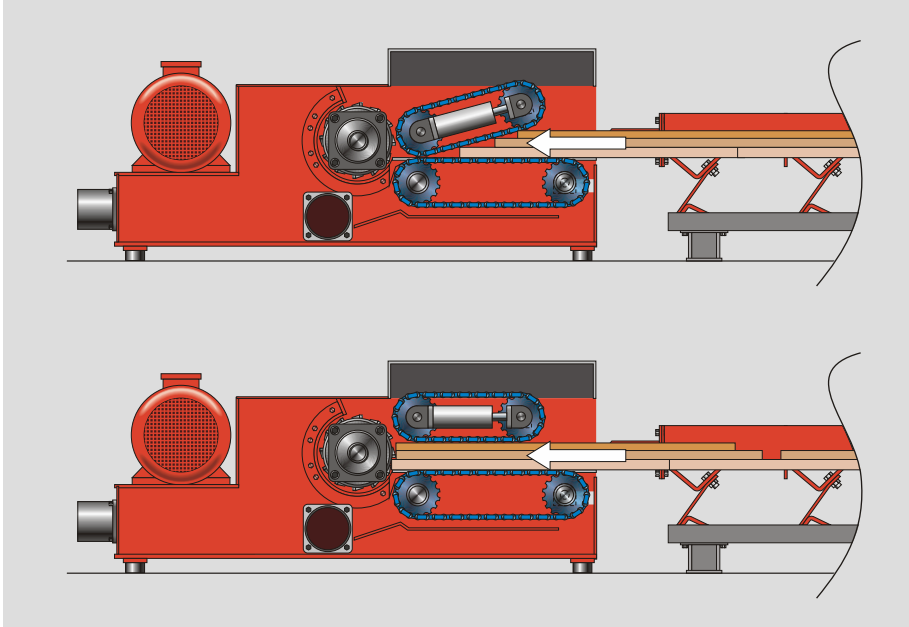
The Function of the Leopard

Leopard 400 – Leopard 1600

Leopard with chain-link belt infeed

The chain belts, similar to the tracks of a tank, grab the stacks and press them together to feed them into the rotor. The amp-load of the main drive motor is continuously monitored.

As the load rises the infeed system switches off until the material that has already been ground is fully cleared. This process is repeated until all the material has been ground.



Schematic view of the chain-link belt infeed



Leopard 600 Jumbo with optional belt conveyor

Leopard technology



Unique patented infeed system



Bottom track of the Leopard infeed



High quality sealed bearing



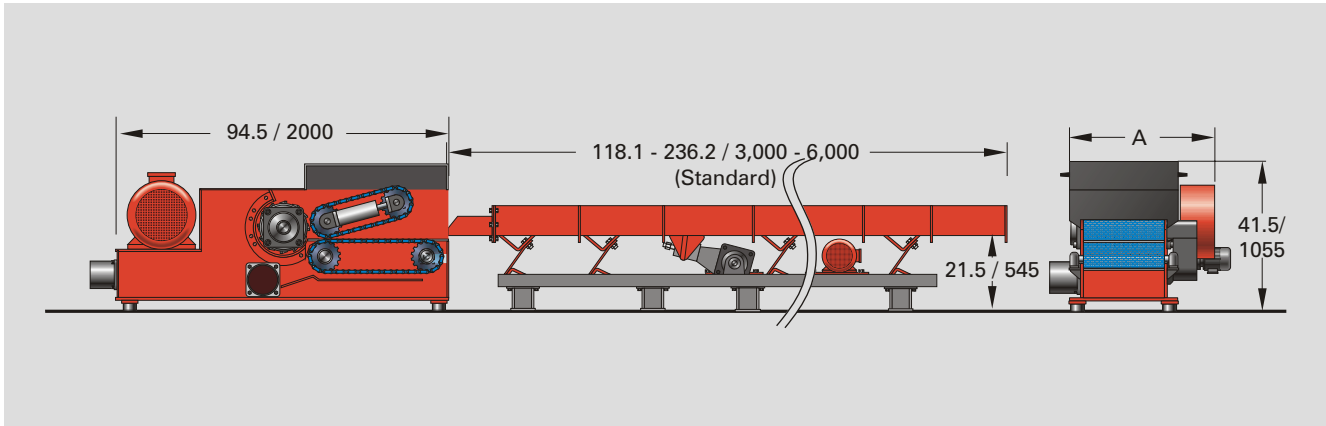
Modular vibrating conveyor system with integrated drive-train for easy installation



Integrated control panel for easy set-up (Plug & Play)

Technical Data

Leopard 400 – Leopard 1600



Leopard	400	600	800	1000	1300	1600
Feed opening (inch):	15.7 x 8	22.5 x 8	31.5 x 8	39.4 x 8	51.2 x 8	63.2 x 8
(mm):	400 x 200	600 x 200	800 x 200	1,000 x 200	1,300 x 200	1,600 x 200
Throughput:	The throughput rate depends on material and screen size from 3/8"-2" (10 - 50 mm)					
Rotor diameter (inch/mm):	14.5 / 368	14.5 / 368	14.5 / 368	14.5 / 368	14.5 / 368	14.5 / 368
Rotor speed (rpm):	450 - 600	450 - 600	450 - 600	450 - 600	450 - 600	450 - 600
Power (hp):	50	60	60/75/100	50/60	60/75	75/120
(kW):	37	45	45/55/75	37/45	45/55	55/90
Rotor knives:	22	32	42	54	70	86
Screen size (inch/mm):	3/8-2 / 10-50	3/8-2 / 10-50	3/8-2 / 10-50	3/8-2 / 10-50	3/8-2 / 10-50	3/8-2 / 10-50
Connection-Ø (inch/mm):	10 / 250	10 / 250	10 / 250	10 / 250	10 / 250	10 / 250
Air speed (cfm, m/sec):	3,000 / 28	3,000 / 28	3,000 / 28	3,000 / 28	3,000 / 28	3,000 / 28
Weight (approx. lbs/ ca.kg):	4,750 / 2,150	5,750 / 2,600	7,800 / 3,540	9,800 / 4,400	12,600/5,700	15,500/6,900
A (inch/mm):	42.5 / 1,080	50.4 / 1,280	58.2 / 1,480	66 / 1,680	77.9 / 1,980	89.8 / 2,280

Demonstrations and tests with your materials are possible in our technical laboratory by prior agreement.

PLC available upon request.

Special configurations are available, call for details.

Shredding systems by WEIMA

- Heavy-duty construction
- Low RPM, low noise, high torque
- Oversized drive-train
- Plug & Play design with soft start
- Replaceable infeed tracks
- Low maintenance
- 4 x indexable concave cutting knives
- Unique infeed system
- WEG - Weima Exchange Guarantee
- Limited lifetime rotor warranty

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