

/// The Best Horizontal Shredder

for long strips and blocks



For large volumes
of mixed
wood scrap!



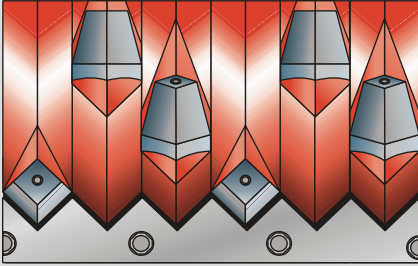
The Tiger 400 – Tiger 1600

heavy-duty and versatile

The WEIMA Tiger is the ideal solution for integrated size reduction in roughmill operations or other panel saw applications with strips and blocks in all sizes. Avoid strip bundling and collection of blocks. No more scrap handling required. No more labor

involved. The machine's low RPM combined with high torque delivers a high throughput rate. This together with a low noise level makes the Tiger the ideal machine to place in your production area. Grind your scrap where it is generated.

Tiger technology



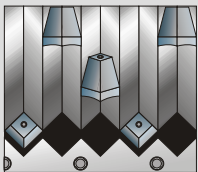
Patented V-rotor

- 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

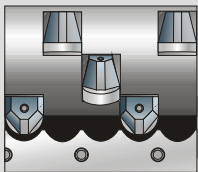
The profiled V-rotor is manufactured in one piece and mounted by sturdy rotor bearings. Special knife holders are welded into milled knife pockets around its circumference. The cutting knives are inserted into these holders and screwed in place from behind. As a result, quick knife changing is possible 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.



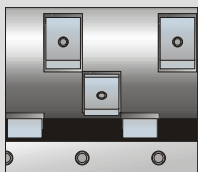
Other rotor versions



Profiled rotor with cutting knives inserted in the recesses



Flat rotor with round or pot knives



Flat rotor with rectangular or square turnable knives

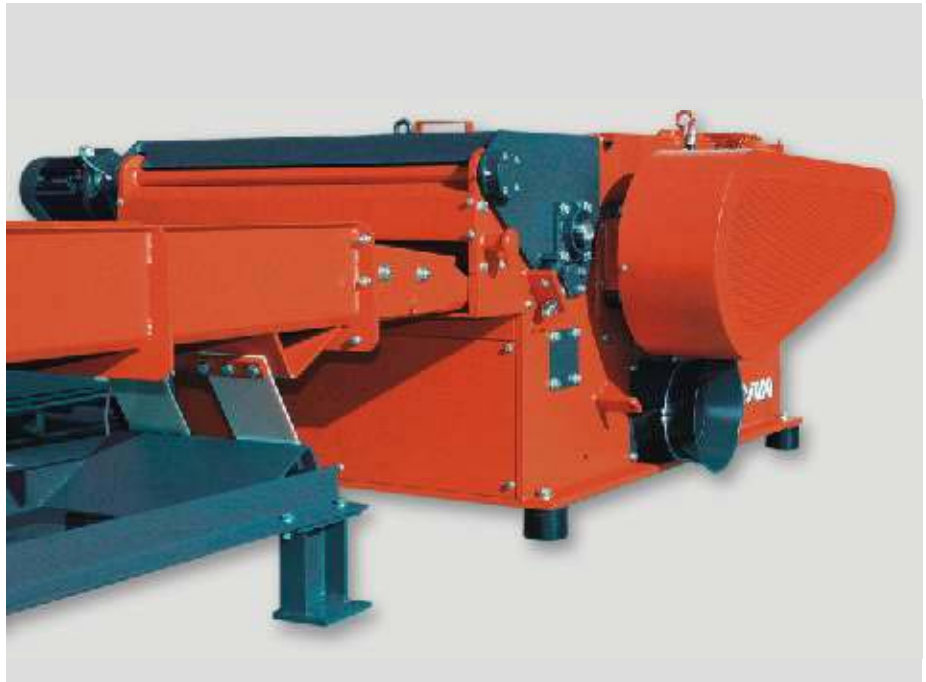
The best horizontal shredder

Tiger 400 – Tiger 1600

The shredder for a wide range of material

The Tiger shredders are used in hundreds of medium and large-sized companies worldwide. An outstanding feature is their tough construction for an extremely long

service life (even if installed outside). The high number of shredders manufactured in this series is a result of reliable technology with an excellent cost-benefit ratio.



Tiger 1300 for a skeleton application



The screen size perforation determines the size of the shredded material



Custom machine configurations



Tiger 600 in an angular saw application

The best horizontal shredder

Tiger 400 – Tiger 1600

The Tiger shredders in action

The Tiger is a horizontal shredder that receives the material from a vibratory or belt conveyor system. From the conveyor or a feed roller system 'pinches' and feeds the material into the V-Rotor. The Weima pinch roller system is equipped with replaceable, aggressively shaped infeed bars.

The slow turning rotor eliminates the high noise usually associated with volume reducing machines and therefore

enables the location of the machinery to areas convenient for waste disposal rather than locations that protect from noise.

The feed rate of the pinch roll is controlled by sophisticated electronic controls that 'read' the amp load on the main motor. This optimization acts to keep material in constant contact with the rotor while not exerting excessive pressure that causes premature bearing failure.



Tiger 600 in fully automated roughmill



Tiger 1300 in a roughmill application

Tiger technology



Pinch roller system with replaceable, aggressively shaped infeed bars



Bottom infeed roll (optional)



High quality sealed bearing



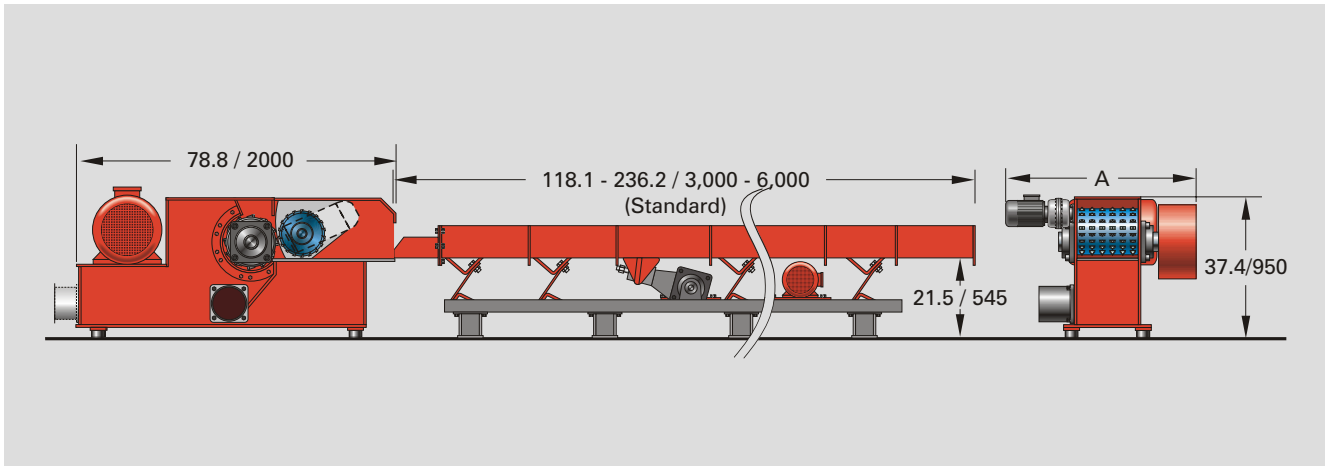
Modular vibrating conveyor system with integrated drive-train for easy installation



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

Technical Data

Tiger 400 – Tiger 1600



Tiger	400	600	800	1000	1300	1600
Feed opening (inch):	15.7 x 6	22.5 x 6	31.5 x 6	39.4 x 6	51.2 x 6	63.2 x 6
(mm):	400 x 160	600 x 160	800 x 160	1,000 x 160	1,300 x 160	1,600 x 160
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):	40/50	50/60	50/60	50/60	50/60/75	60/75/100/120
(kW):	30/37	37/45	37/45	37/45/55	45/55/75	45/55/75/90
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):	4,200 / 1,900	5,100 / 2,300	6,800 / 3,100	7,700 / 3,500	10,000/4,500	12,300/5,600
A (inch/mm):	53 / 1,345	60.8 / 1,545	68.7 / 1,745	76 / 1,945	88.4 / 2,245	100.2 / 2,545

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

- Replaceable strips on infeed roll
- Plug & Play design with soft start
- Low maintenance
- Oversized drive-train
- Limited lifetime rotor warranty
- WEG - Weima Exchange Guarantee

WEIMA America, Inc.
3678 Centre Circle
Fort Mill, SC 29715 (USA)
Phone: 803 - 802 - 7170
Fax: 803 - 802 - 7098
Internet: www.weimaamerica.com
E-mail: info@weimaamerica.com



With locations in
Ilsfeld, Germany
Ternberg, Austria
Northants, Great Britain
La Ferté s. Jouarre, France
and more than
50 sales offices worldwide!

Advanced technology for size reduction