

/// The Economical Horizontal Shredder **for long strips and skeletons**



**Reduce
scrap as it's
produced!**



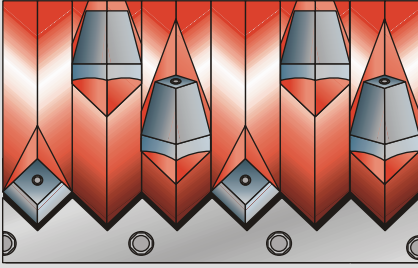
The Beaver 400 – Beaver 1600

tough and compact

The Beaver (K) 400 – 1600 horizontal shredders are especially designed for small to medium volume applications like strips from panel saws, rip saws and skeletons from CNC nested base manufacturing in the wood industry.

It is also used to grind molded pieces such as vinyl siding and window profiles in the plastic and recycling industries. Grind your scrap where it is generated – No more scrap handling required.

Beaver technology

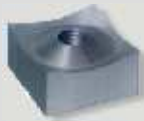


Patented V-rotor

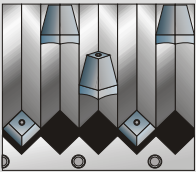
- Optimum material intake
- Minimum cutting knife wear
- Low power consumption yet high output
- Narrow cutting gap between rotor and counterknife (Super-Cut)
- Defined knife projection

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.

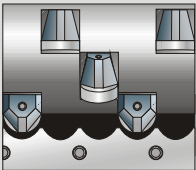
The rotor diameter is:
10" / 252 mm



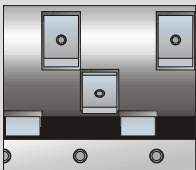
Other rotor versions



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 economical and compact shredder

Beaver 400 – Beaver 1600

Tough and compact

The Beaver shredders are used in hundreds of small to medium-sized applications worldwide. An outstanding feature is their tough construction for extremely

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



Beaver 600 in panel saw application with optional drop chute



The screen size perforation determines the size of the shredded material



Custom machine configurations



Beaver 1300 for skeleton grinding next to CNC Router

The economical horizontal shredder

Beaver 400 – Beaver 1600

The Beaver shredders in action

As the material slides into the machine opening, the top pinch roll 'pinches' and feeds the material into the rotor.

The WEIMA pinch roller system is equipped with replaceable aggressively shaped infeed bars. The grinder utilizes a low speed, high torque rotor to grind scrap/waste material to size. This 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.



Beaver 1300 skeleton grinder



Beaver 400 in a rip saw application

Beaver technology



Pinch roller system with replaceable, aggressively shaped infeed bars



Bottom infeed roll (optional)



High quality sealed bearing



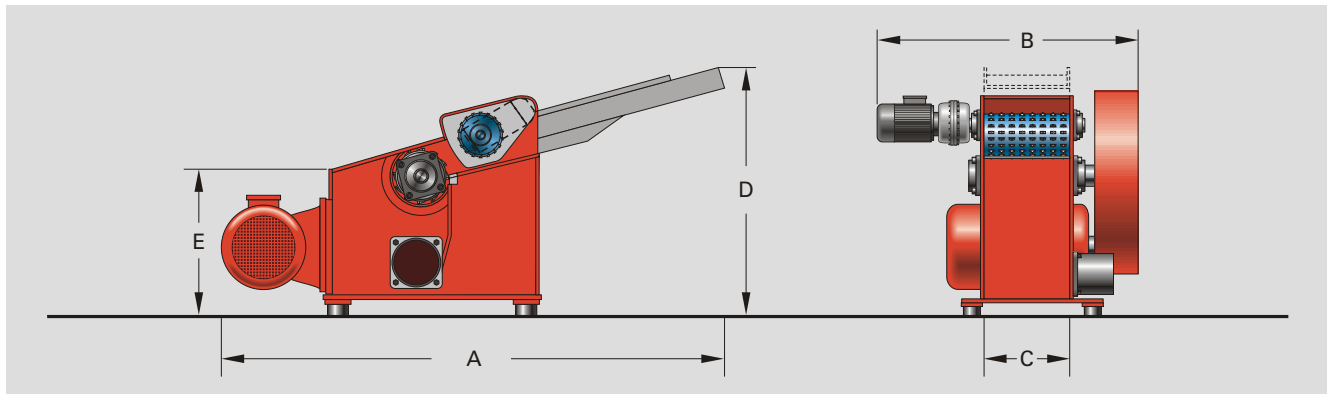
Modular vibrating conveyor system with integrated drive-train for easy installation



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

Technical Data

Beaver 400 – Beaver 1600



Beaver	400	600	800	1000	1300	1600
Feed opening (inch):	15.7 x 2	22.5 x 2	31.5 x 2	39.4 x 2	51.2 x 2	63.2 x 2
(mm):	400 x 50	600 x 50	800 x 50	1,000 x 50	1,300 x 50	1,600 x 50
Throughput:	The throughput rate depends on material and screen size from 3/8"-2" (10 - 50 mm)					
Rotor diameter (inch/mm):	10 / 252	10 / 252	10 / 252	10 / 252	10 / 252	10 / 252
Rotor speed (rpm):	500 - 600	500 - 600	500 - 600	500 - 600	500 - 600	500 - 600
Power (hp/kW):	25 / 18.5	30 / 22	30/40 / 22/30	40/50 / 30/37	40/50 / 30/37	40/50 / 30/37
Rotor knives:	18	32	42	54	68	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):	8 / 200	8 / 200	8 / 200	10 / 250	10 / 250	10 / 250
Air speed (cfm / m/sec):	1,900 / 28	1,900 / 28	1,900 / 28	3,000 / 28	2,900 / 28	2,900 / 28
Weight (approx. lbs/ ca.kg):	2,200 / 1,000	2,800 / 1,270	3,600 / 1,650	5,730 / 2,300	6,390 / 2,900	8,600 / 3,900
A (inch/mm):	86 / 2,190	86 / 2,190	86 / 2,190	91 / 2,310	91 / 2,310	91 / 2,310
B (inch/mm):	38 / 965	47 / 1,200	56 / 1,420	63 / 1,600	75 / 1,905	87 / 2,210
C (inch/mm):	15.7 / 400	22.5 / 600	31.5 / 800	39.4 / 1,000	51.2 / 1,300	63.2 / 1,600
D (inch/mm):	43 / 1,100	43 / 1,100	43 / 1,100	43 / 1,100	43 / 1,100	43 / 1,100
E (inch/mm):	27 / 685	27 / 685	27 / 685	27 / 685	27 / 685	27 / 685

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



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