



Shredder Series  
WL 10 - WL 25

Reliable technology for all timber materials: **WL 10 - WL 25**



For shredding maximum volumes of timber waste on an industrial scale



Material loading by fork-lift truck with tipper



The shredders of the WL 10 - WL 25 series are used in the woodworking industry for shredding large quantities of timber waste. The rotor widths range from 1.000 to 3.000 mm depending on design.

The machine is driven by an electric motor with an output of 22 kW to 90 kW or a twin-drive of 2 x 75 kW. The level of required drive output depends on the material to be shredded, the number of shredding knives being used and the required throughput rate.

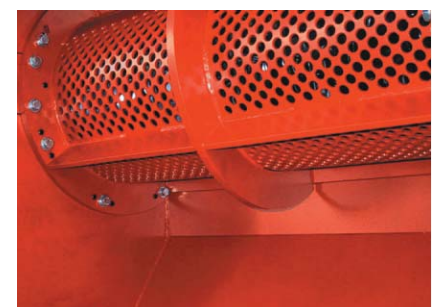
Shredders of the WL 10 - WL 25 series with single and twin-drive



Shredder of the WL 15 series with discharge conveyor and overbelt magnet



Shredder of the WL 20 series, loading by wheel-loader

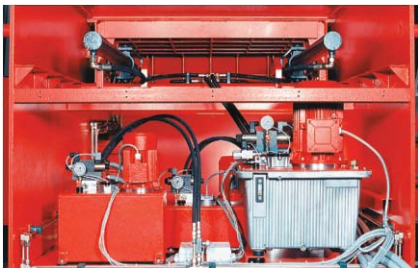


The screen diameter (10-100 mm) determines the chips size

## WL 10 - WL 25 series technology

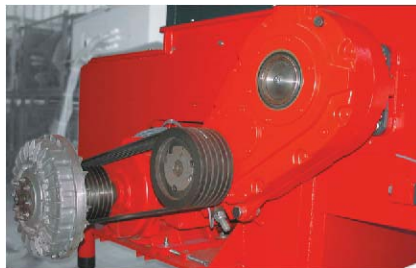
The material is fed through the hopper to a hydraulic ram which is operated according to load and presses the material against the rotating rotor. The inserted material is shredded between the rotating knives and counter knives which are fixed in place.

The ram is fitted with scraper rails which prevent any unwanted material being pulled between the ram and machine housing. The material can be transported out by spiral conveyor, an extraction system, a conveyor belt or a chain conveyor.



### Enclosed hydraulic system

The ram's hydraulic system is located inside the machine body to protect it against wood dust and damage. The hydraulic cylinder is suspended by cardanic joints so that any unwanted lateral force on the piston cup is avoided.



### Power drive

The machines are driven by an electric motor with up to 90 kW drive output or a twin-drive of 2 x 75 kW which is transmitted to the rotor by hydro-clutch (from 22 kW), v-belts and gears.



- Optimum material intake
- Minimum cutting knife wear
- Low power consumption yet high output
- Narrow cutting gap between rotor and counter knife
- Defined knife projection

The profiled V-rotor is machined in one piece and mounted in sturdy rotor bearings. Special knife holders are welded into milled knife pockets around its circumference. The cutting knives are inserted into these and screwed in place from behind. As a result, high-speed 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 guarantee a precision cut at high throughput rates.



Pronged rail in the ram for holding the material



Segmented base for very thin material



V-rotor with two knife rows

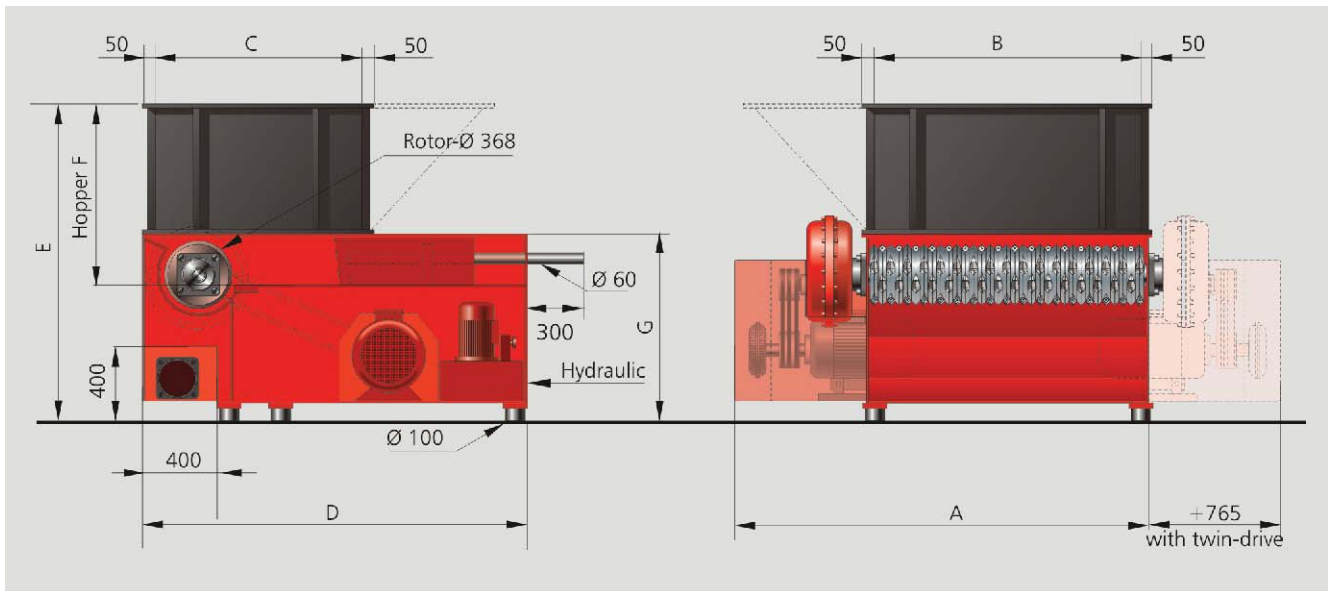


Operation of the ram, pressing the material against the rotor



### Concave reversible knives:

Made of HSS, HH and annealed steel, universally applicable and extremely resilient for the most varied applications.



Technical Data		WL 10	WL 13	WL 15	WL 18	WL 20	WL 25
Size A	(mm):	1.800	2.100	2.300	2.600	3.000	3.300
Size B	(mm):	1.000	1.300	1.500	1.800	2.000	2.500
Size C	(mm):	1.200	1.200	1.500	1.500	1.500	1.500
Size D	(mm):	2.100	2.100	2.700	2.700	2.700	2.700
Size E	(mm):	1.720	1.720	1.720	1.900	1.900	1.900
Size F	(mm):	1.030	1.030	1.030	1.030	1.030	1.030
Size G	(mm):	990	990	990	1.200	1.200	1.200
Hopper opening	(mm):	1.000 x 1.200	1.300 x 1.200	1.500 x 1.500	1.800 x 1.500	2.000 x 1.500	2.500 x 1.500
Hopper volume	(m³):	1,3	1,6	2,3	2,8	3,0	3,8
Throughput	(kg/h):	*	*	*	*	*	*
Rotor diameter	(mm):	368	368	368	368	368	368
Rotor speed	(rpm):	60 -120	60 -120	60 -120	60 -120	60 -120	60 -120
Power	(kW):	30/37/45	30/37/45	37/45/55/75	45/55/75/90 110	55/75/90 110	75/90 110/2x75
Tools	(pieces):	28/52	37/70	43/82	52/100	57/110	73/142
Screen size	(mm):	10 -100	10 -100	10 -100	10 -100	10 -100	10 -100
Connection-Ø	(mm):	200	200	250	250	250	250
Weight	approx. (kg):	2.800	3.400	4.500	5.800	6.500	8.500

\* The throughput rate depends on material composition and screen size.

Special designs upon request.

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

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