



20 Years WL 4
The classic

Shredder Series
WL 4 - WL 4 S

Reliable technology for all timber materials: **WL 4 - WL 4 S**



The tried-and-tested shredder for all timber materials



Shredders of the WL 4 - WL 4 S series are used in thousands of small and medium-sized businesses worldwide. An outstanding feature is their very rugged construction for an extremely long service life (even if installed outdoors).

The high number of shredders manufactured in series is a guarantee for continuity in tried-and-tested and reliable technology with an excellent cost-benefit ratio.



WL 4 series shredder, connected to an extraction system



WL 4 S series shredder, for shredding of wood



The screen size perforation determines the chip size

WL 4 - WL 4 S series technology

The material is fed through the hopper to a hydraulic ram which operates according to load and presses the material against the rotating rotor. The inserted material is shredded between the rotating knives and fixed-position counter knife. The ram is fitted with scraper rails which prevent any unwanted material being pulled between the ram and machine housing. The manufactured wood chips can be transported out of the machine by an extraction system or spiral conveyor.

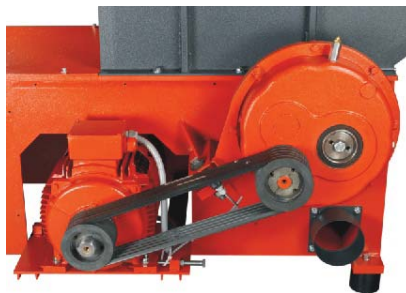


Hopper design
to customer specification



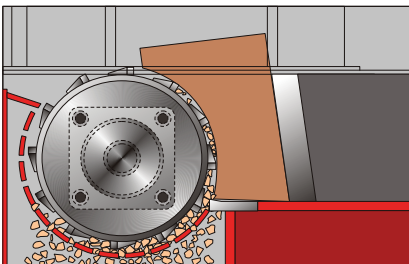
Enclosed hydraulic system

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 car-danic joints so that any unwanted lateral force on the piston cup is avoided.

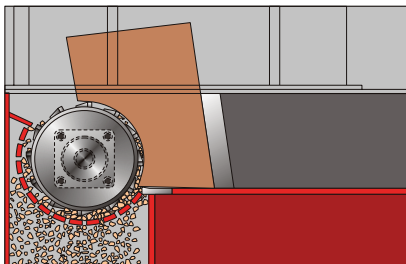


Power drive

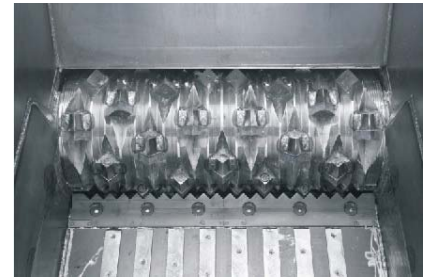
The machines are driven by an electric motor with up to 22 kW output which is transmitted to the rotor by v-belts and gears.



Rotor diameter with 368 mm for big blocks and pieces with larger screen surface for an extra high output.
(WL 4 S)



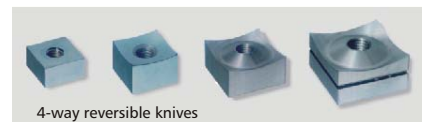
Rotor diameter with 252 mm with high throughput capacity.
(WL 4)



Patented V-rotor

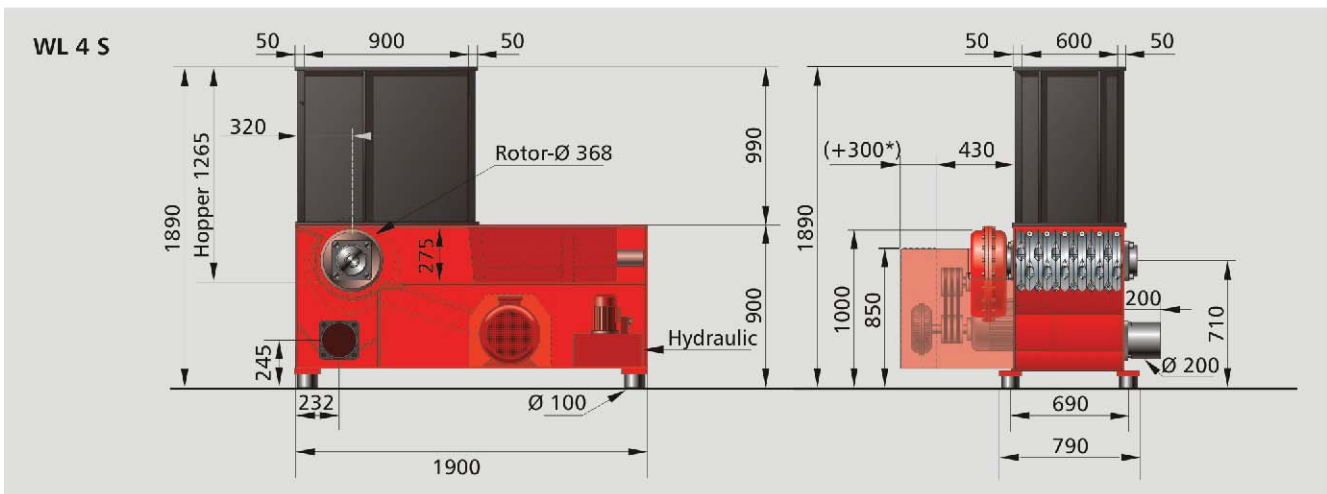
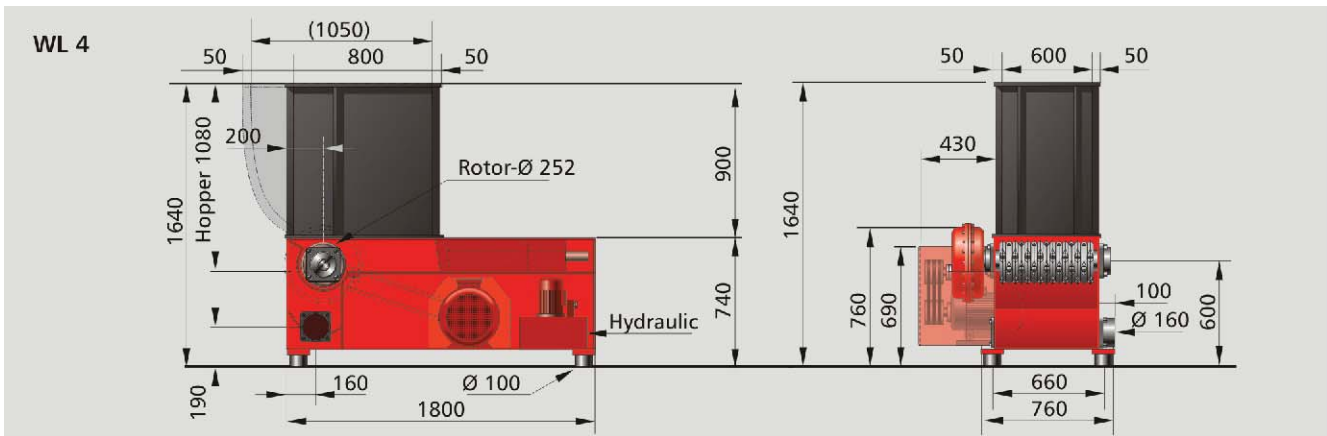
- Optimum material intake
- Minimum cutting knife wear
- Low power consumption yet high output
- Narrow cutting gap between rotor and counter knife
- Defined knife projection

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.



Concave reversible knives

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



Technical Data		WL 4	WL 4 S
Hopper opening	(mm):	600 x 800 (1050)	600 x 900
Hopper volume	(m ³):	0,6	0,7
Throughput	:	depending on material and screen size	
Rotor diameter	(mm):	252	368
Rotor length	(mm):	600	600
Rotor speed	(rpm):	60 - 100	60 - 100
Power	(kW):	11/15/18,5	15/18,5/22*
Tools	(pieces):	14 / 28	17 / 30
Screen size	(mm):	10 - 40	10 - 40
Connection-Ø	(mm):	160	200
Air speed	(m/sec.):	28	28
Weight	approx. (kg):	1.300	1.700

* > 22 kW with hydrocentrifugal clutch

PLC control for fully automatic controlled operation (optional extra), special designs on request.

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

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