

Data Sheet for Single-Shaft-Shredder VSL Type



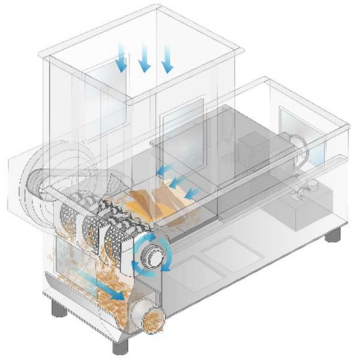
The VSL series shredders set themselves apart with highly robust engineering. Single-shaft technology has asserted itself in the market for wooden material in the woodworking industries. Reliability and a high utility value make our machines the number one choice for industry and trades. The cutting rotor with its rotatable and replaceable cutters delivers high chipping performance combined with energy efficiency. Our shredders make this possible with load-dependent pusher control. With our sophisticated plug system, we also attain a high level of manufacturing precision reflected in construction with an excellent accuracy of fit and low distortion.

The following materials can be shredded reliably with our shredders:

- Solid wood, chipboard, MDF board, pallets
- Brittle plastics
- Cardboard packaging

Technical Data VSL		60-15	60-18	80-18	80-22	100-22	100-30	100-30B	100-37B	130-37B	130-45B
Hopper Opening	mm	600 x 800		800 x 1000		1000 x 1000		1000 x 1000		1300x1000	
Hopper Volume	m ³	0,6		0,9		1,1		1,4		1,9	
Rotor Ø Length	mm	252 620		252 820		252 1020		352 1020		352 1320	
Performance		1-4 hopper fillings / hour (dependent on the screen used)									
Number of Cutters	pcs.	30		40		50		75		99	
Suction Conn. Piece Ø	mm	160		200				250			
Dimensions L x W x H	mm	1740 x 1195 x 1685		1940 x 1395 x 1685		1940 x 1595 x 1685		2120 x 1695 x 1720		2120 x 1995 x 1720	
Weight	kg	1.300		1.800		2.300		2.800		3.800	
Motor Power	kW	15,0	18,5		22,0		30,0		37,0		45,0
Current Supply Voltage	-	Three Phase Current 400 V 50 Hz									

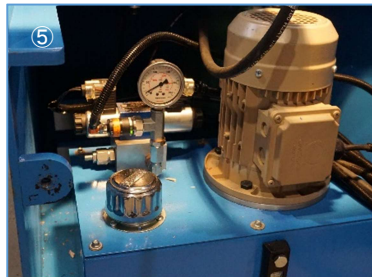
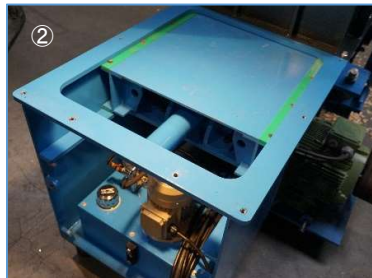
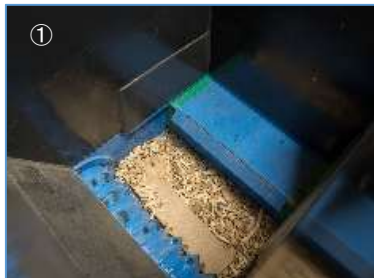
Single-Shaft Shredder Functional Principle



The material is supplied to the shredder from above through the infeed hopper. A hydraulically controlled pusher presses the material to be shredded against the cutting rotor.

The feed of the pusher is progressive in dependency on the main motor. Material is shredded between the rotating knives on the rotor shaft and a fixed bed knife in the machine bed.

After shredding, the material is transported away using an extraction system, screw conveyor or conveyor belt.



- ① The material is pushed into the rotor shaft by the pressure beam. When the power input of the drive motor increases, the pusher stops; when the power input value drops, the pusher moves forward again (step control).
- ② The accurately fitting, gliding pusher featuring a gimbal-mounted hydraulic cylinder guarantees the durable function of the shredder.
- ③ By using standard knives and concave knives in a 50:50 ratio, our shredders have a high throughput in conjunction with highly economical tool costs. The standard knives can be turned up to 8x, the concave knives up to 4x.
- ④ The size of the chips is always determined by the size of the screen holes. The hole diameter is always determined based on the field of application specified by the customer.
- ⑤ The hydraulic unit and gimbal-mounted hydraulic cylinders are fully integrated into the machine body, and therefore completely protected against damage.
- ⑥ In conjunction with decoupling the gear mechanism and motor, cushioning of the gear mechanism with rubber mountings ensures a long service life for both components.

Accessories: Magnetic separator; hopper extension & cover; pusher with spike band; segmental base plate



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