shredding + briquetting

WLK 4

WEIMA SINGLE SHAFT SHREDDER FOR PLASTICS FOR LIGHT-TO-MEDIUM REQUIREMENTS

The multipurpose shredder WLK 4 is suitable for preparing nearly all plastics, particularly, also hard and resilient materials. The machines easily shred start-up lumps, pipes, automotive parts, blow moulding materials such as PET bottles, PE/PP bottles, canisters, buckets or also paper, cardboard boxes, light metals, etc.

► www.weima.com

CE TÜV CERT EN ISO 9001 VDMA

WLK 4 ▸ The compact high-performance multipurpose machine – geared to your needs.

WLK 4. TODAY PET BOTTLES, TOMORROW, START-UP LUMPS, THE DAY AFTER TOMORROW – THE INNOVATIVE TECHNOLOGY OF THE WLK 4 OFFERS YOU THE HIGHEST SAFETY AND FLEXIBILITY.

The WLK 4 series is the ideal complement to the proven WLK series. The new design convinces with its equipment variants thus ensuring optimal adjustment to your special requirements.

The patented V rotor with cutting gap adjustment SuperCut enables first class shredding results. The WLK 4 shredder can be fed by conveyor belt, forklift truck or manually. It can also be integrated ideally into a two-stage solution as a pre-shredder.

The shredding of the material introduced takes place between the rotor blades and a fixed counter blade. The pusher is fitted with scrapers that prevent undesired material being pulled in between the pusher and the machine housing.

There are thousands of WEIMA shredders in use in industry and medium-sized businesses worldwide. They are characterized by a very robust construction enabling an extremely long life.

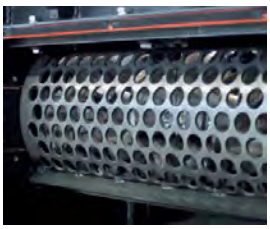
YOUR BENEFITS

- Patented V rotor with optimal material in-feed or F rotor
- Protected hydraulics
- Powerful electric drive
- Easily exchangeable screen
- Minimal wear of the cutting blades
- Low power requirement at a high throughput
- Hydraulically operated pusher
- Low cutting gap between rotor and counter blade
- Defined knife projection
- Solid construction
- Extremely long life (even when set up outside)
- Offset K bearings

WLK 4. EXCELLENT PROPERTIES AT A GLANCE

HYDRAULICS IN THE MACHINE BODY ▸ Is thus protected from synthetic dust and damage.

DRIVE VIA ELECTRIC MOTOR ▸ Drive up to 22 kW via V-belt and gearbox.



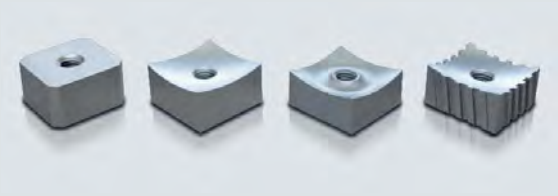
SCREEN HOLE DIAMETER ▸ The screen hole diameter determines the granulate size.

OFFSET K BEARINGS ▸ The offset K bearings are extremely low-wear and prevent the generation of heat.

COMFORTABLE ▸ Material feed takes place via a large hopper. The hydraulically-controlled pusher presses the material against the rotor depending on the load.

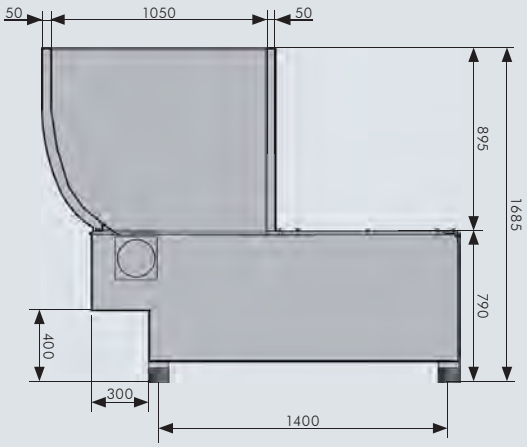
PATENTED V ROTOR. The profiled V rotor is made out of solid steel and supported in stable rotor bearings. All around, there are special blade supports welded in milled knife pockets. The cutting blades are inserted into these and screwed on from the rear. This will enable blades to be changed quicker. The concave cutting blades have four uses and ensure a precise cut with a high throughput.

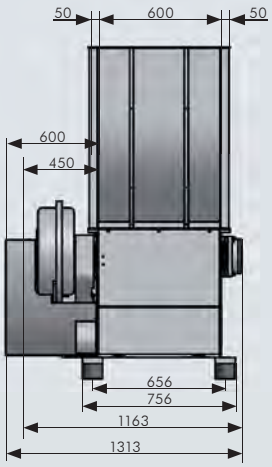
V ROTOR ▸ V rotor with two rows of blades.



FLAT OR CONCAVE CUTTING BLADES ▸ 4 to 8-purpose ground cutting knives.

WLK 4. SPECIFICATIONS





Plastics

Paper

Cardboard

WEEE/ electrical waste

Light metals

Textiles

TECHNICAL DATA

	WLK 4
Feed opening (mm)	600 x 1050
Number of blades (40 × 40) V rotor	28
Rotor Ø (mm)	270
Rotor speed (rpm) ca.	100
Motor output (kW)	18.5/22
Screen perforation (mm)	15 – 40
Weight (kg) ca.*	1.300

*Details may differ depending on the machine's equipment and driving power.

STANDARD EQUIPMENT

- Patented V rotor for optimal even cutting geometry or F rotor with welded or screwed knife holders
- Concave ground-cutting knives
- PLC control
- SuperCut for exact adjustment of the cutting gap
- Hydraulic horizontal pusher, controlled load-related
- SpaceCut hopper for controlled material feed
- Low maintenance, offset and closed rotor bearings

SPECIAL EQUIPMENT

- Rotor cooling
- Rotor Vautid coating
- Hydraulic oil and gearbox oil cooling
- Segmented pusher
- Ram Comb Plate

DRIVE – EXTENDED SAFETY PACKAGE

The WLK shredders are available with electro-mechanical drives. Options for increasing operational safety: gear limit switches, reverse counter, hydrodynamic centrifugal clutch, safety limit switch.

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