



Single Shaft Grinder Type MRZ

Output: 1 – 5 rm/h

QUALITY FEATURES 

- High Output
- Energy-Efficient Operation
- Option: Metal Deposition



Characteristics

mütek grinders are designed to shred all kinds of waste material, including hard and soft woods, chipboards, OSB and plywood panels, as well as construction timbers. Paper, cardboards, and other materials can also be processed, but only with permission of the manufacturer. The sturdy steel construction of the mütek grinders guarantees constant quality in continuous operation.

mütek MRZ grinders are fitted with a slowly rotating V-profile solid steel rotor (Ø 260 or 360mm) which is mounted on the sturdy machine base. The knives are available in various designs for all kinds of material. The knives feature a low wear and can rotate several times before they have to be replaced.

The rotor is supported by spherical roller bearings which are mounted in cages outside the machine base. The screen is made of a heavy welded construction. The screen size defines the size of the chips. Screens with different hole sizes for all kinds of material are available. The rotor is driven by a V-belt drive and a spur gear with torque support.

The feeding works either automatically or manually. The material to be shred is filled into the hopper.

At the bottom of the hopper runs a hydraulic slider pushing the material against the rotating rotor. As soon as the drive is at maximum permissible power consumption, the slider backs and the cycle restarts. The shredding occurs in-between the rotor and the fixed counter-knife. The slider can be fitted with wipers in order to prevent material from entering into drawer and machine housing. The chips can be delivered out of the machine by means of suction or conveyor screw. Once the material is shredded completely, the machine turns off automatically.

mütek grinders are fitted with a dust-tight control cabinet for the SPS control. The machines are CE certified.

As standard mütek grinders include:

- V- Profile Rotor
- Control Cabinet with Siemens PLC
- Automatic Star/Delta Switch
- Automatic Stop when Hopper is empty
- 70 - 90 Rotor Turnings for higher Throughput
- Cycle Control in Order to prevent Idling
- Performance-Enhancing pacing of Hydraulic Sliders
- Pertinax Guiding for the Slider

Technical Data

MODEL	HOPPER mm	HOPPER CAPACITY m ³	MOTOR kw	DIMENSIONS L x W x H mm	WEIGHT kg
MRZ 530	510 x 810	0,4	11	1750 x 1100 x 1640	1000
MRZ 630	630 x 810	0,6	18,5 - 22	1750 x 1200 x 1640	1200 - 1400
MRZ 830	830 x 1000	1,0	18,5 - 37	2290 x 1420 x 1750	1500 - 1700
MRZ 1030	1030 x 1235	1,5	22 - 45	2460 x 1980 x 1750	2000 - 3000
MRZ 1230	1230 x 1235	2,0	22 - 45	2460 x 1980 x 1750	2500 - 3500
MRZ 1530	1530 x 1235	2,5	30 - 75	2460 x 2100 x 1750	3000 - 4000