

## Single Shaft Grinder Type MRZ

Output: 1 – 5 rm/h

### QUALITY FEATURES

- Made in Germany
- Energy-efficient operation
- Second row of knives
- Siemens PLC



## 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 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. The Siemens PLC determines the optimal feeding rate depending on the power input of the main engine. Thereby the highest possible throughput can

be realised. After reaching the front position the hydraulic slider drives back with fast hydraulic into starting position 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:

- Fast hydraulic
- Profile rotor
- Second row of knives (starting from MRZ 630)
- Control cabinet with Siemens PLC
- Automatic Star/Delta Switch
- Automatic stop when hopper is empty
- Removable exhausting channel
- 70 - 100 Rotor turnings for higher throughput
- Cycle control in order to prevent idling
- Performance-enhancing pacing of hydraulic sliders

## Technical Data

MODEL	HOPPER mm	HOPPER CAPACITY m <sup>3</sup>	MOTOR kw	DIMENSIONS L x W x H mm	WEIGHT kg
MRZ 530	510 x 810	0,4	15	1550 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