



stf-Maschinen- & Anlagenbau GmbH

CUTTING MILL



DESCRIPTION:

The cutting mill type KSM 800 series has been developed especially for the comminution of post-consumer plastics.

FUNCTION:

High and continuous capacity is secured by the 5/7-bladed V-cut rotor and feeding device, which has been designed and optimised for the comminution of bulky plastics and is powered by 90 – 160 kW.



Rotor Diameter	800 mm
Working Width	1.200 mm / 1.530 mm
Number of Rotor Blades	10 piece on 5 cut bars, or 14 piece on 7 cut bars
Number of Stator Blades	4 piece on 2 cut bars
V-belt Pulley, Rotor	SPC 1000-8
V-belt Pulley, Motor	SPC 5000-8
Drive Motor	90 – 160 kW
Screen Perforation	8 mm – 50 mm
Weight	approx. 10.000 kg / 12.500 kg
L x W x H	approx. 2.750 mm x 2.300 mm / 2.900 mm x 4.290 mm



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ANY QUESTIONS? DO NOT HESITATE TO CONTACT US

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MODE OF OPERATION:

The mill works as a wet or dry comminution mill. Within the cutting mill, the intense water supply allows an effective comminution, with high cleaning effect. In case of dry cutting mill the material is discharged with an integrated auger feeding a blower.

INTERIOR:

- the complete interior is encased with wear-resistant material (Hardox)
- exchangeable wear plates
- exchangeable base plates for the stator-blades

FUNNEL CONSTRUCTION:

- standard funnel or feeding device
- designed for belt conveyor and screw conveyor feeding
- massive welded steel construction
- solid curtains as splash guard curtain in order to prevent from spurting out of material
- hydraulic unit for opening of the funnel

SCREEN ANCHORAGE:

- fixing with stop pin
- the screen is hydraulically pivoting up and down
- screen can be removed through a maintenance door in the lower casing

BASE FRAME:

- solid construction
- collet of cutting mill, drive motor (on slide rails), belt drive and belt guard

BASE DRIVE:

- over dimensioned in order to bridge possible peak times
- 8 V-belts, profile SPC

CASING:

- massive welded steel construction
- case angular divided in the middle
- both stator-blades are opposing mounted within the lower part of the case

BLADE ADJUSTMENT:

- outside the cutting mill in a provided adjusting gang

ROTOR BEARING:

- spherical roller bearings in pillow block housings outside the cutting area