

..... Worldwide references





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Roller Mill *HE*



.... Roller Mill HE

The new Ottevanger Roller Mill series HE is developed to break or structurize various materials, such as grains, oilseeds, biomass products and/or others. Herewith an optimum result and low energy requirements is achieved. An integrated rotating feeder in the top unit ensures an even flow to the breaking/structurizing rollers.

The large diameter axially riffled breaking rollers rotate at the same speed in opposite directions. Using accurate measurement, the large 300 mm structurizing rollers guarantee smaller particles with minimum fines.



Features

- Integrated rotating feeder from mild steel with two rotating directions:
 one direction to structurizing rollers.
- opposite direction by-pass structurizing rollers.
- » Solid construction in mild steel.
- » Manual roller adjustment with adjustment accuracy 0.1 mm.
- » Solid structurizing rollers made of 'Hartguss' material
- (5 to 6 time longer lifetime than chrome steel).
- » Oil free transmission by means of double toothed timing belt.
- » Inlet and outlet with flange, inclusive counter flange.

Options

- » An electro-pneumatic operated bypass flap
- (in the double unit to bypass the lower unit, in the triple unit to respectively bypass the middle or lower unit).
- » Remote roller adjustment, with adjustment accuracy 0.01 mm.
- » Available in different finishing standards.

Top unit

The top unit consists of a rotating feeder, to be controlled by frequency converter, which can rotate in two directions. One rotating direction of the feeder is to the two breaking rollers. The opposite direction is the bypass function. The breaking rollers are independently driven and transmission is by means of double toothed timing belts. Speed control of the structurizing roller transmissions is measured by sensors.

One or two extra breaking or structurizing units

The top unit can be extended with one or two extra breaking/structurizing units, each consisting of two solid structurizing rollers. This ensures an optimum structurizing result.

Various roller options

The coarse material can be transported through 1,2 or 3 pairs of rollers, each pair with different riffles. This is completely flexible so the fineness of structurizing can be controlled completely.

Use of all rollers



Fine material



Coarse material

High Efficiency Line

The development of our new High Efficiency (HE) line concentrates not only on higher performances and a more hygienic design but also to lower energy consumption. The new HE line gives excellent access to all maintenance areas. With this HE line Ottevanger takes a new step forward.

High Efficiency features

- » More capacity at same energy level.
- » Possibility of capacity increase due to modular design.
 » Frequency controlled dual rotation feeder (by-pass function),
- frequency converternot included.
- » Even distribution of the product to the entire working length of thebreaking/structurizing rollers.
- » Simple adjustment of the breaking/structurizing gap.
- » Rollers are easily exchangeable from the front and the sides.
- **»** 50% more revision options of the rollers.
- » Easy access for cleaning and maintenance.



		SINGLE			DOUBLE			TRIPLE	
	PRM307S	PRM313S	PRM318S	PRM307D	PRM313D	PRM318D	PRM307T	PRM313T	PRM318T
Top unit		1			1			1	
Extra breaking units		-			1			2	
Inlet (mm)	606 x 215	1206 x 215	1746 x 215	606 x 215	1206 x 215	1746 x 215	606 x 215	1206 x 215	1746 x 215
Outlet (mm)	606 x 477	1206 x 477	1746 x 477	606 x 477	1206 x 477	1746 x 477	606 x 477	1206 x 477	1746 x 477
Roller length (mm)	720	1320	1860	720	1320	1860	720	1320	1860
Roller working length (mm)	700	1300	1840	700	1300	1840	700	1300	1840
Rollers Ø (mm)		300			300			300	
Motor (kW)	2 x 15	2 x 18,5	2 x 22	4 x15	4 x 18,5	4 x 22	6 x15	6 x 18,5	6 x 22
Capacity (t/h)	10	18	25	20	32	45	28	44	60
Length (C)	1356	1956	2496	1356	1956	2496	1356	1956	2496





*data may change without prior notification