

Roller Mill HE



General

The new PTN Roller Mill series HE is developed to crush or grind various materials, such as grains, oilseeds, biomass products and 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 rifled breaking rollers rotate at different speeds in opposite directions. Using accurate measurement, the large 300 mm structurizing rollers guarantee smaller particles with minimum fines.

Specifications

- » integrated rotating feeder from mild steel with two rotating directions:
 - › one direction to structurizing rollers
 - › opposite direction by-pass structurizing rollers
- » 1 electro pneumatically operated bypass flap under the rotating feeder
- » solid construction in mild steel
- » manual adjustment of roller distance with read-out accuracy 0.1 mm
- » solid structurizing rollers made of 'hartguss' (cast iron) 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 adjustment of roller distance with read-out accuracy 0.01 mm

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 PTN takes a new step forward.

Advantages

- » more capacity at same energy level
- » possibility of capacity increase due to modular design
- » frequency controlled dual rotation feeder (breaker and by-pass function), frequency converter not included
- » even distribution of the product to the entire working length of the breaking/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

	SINGLE			DOUBLE			TRIPLE		
	PRM307-S	PRM313-S	PRM318-S	PRM307-D	PRM313-D	PRM318-D	PRM307-T	PRM313-T	PRM318-T
Top unit	1			1			1		
Extra breaking units	-			1			2		
Inlet (mm)	612 x 142	1.212 x 142	1.752 x 142	612 x 142	1.212 x 142	1.752 x 142	612 x 142	1.212 x 142	1.752 x 142
Outlet (mm)	606 x 477	1.206 x 477	1.746 x 477	606 x 477	1.206 x 477	1.746 x 477	606 x 477	1.206 x 477	1.746 x 477
Roller working length (mm)	700	1.300	1.840	700	1.300	1.840	700	1.300	1.840
Rollers Ø (mm)	300			300			300		
Motor (kW)	1 x 18,5	1 x 37	1 x 45	2 x 18,5	2 x 37	2 x 45	3 x 18,5	3 x 37	3 x 45
Capacity (t/h)	0 - 10	8 - 18	15 - 25	0 - 20	8 - 32	15 - 45	0 - 28	8 - 44	15 - 60
Length (mm)	1.446	2.041	2.581	1.446	2.041	2.581	1.446	2.041	2.581
Width (mm)	1.366	1.366	1.366	1.366	1.366	1.366	1.366	1.366	1.366
Height (mm)	875	875	875	1.752	1.752	1.752	2.629	2.629	2.629

**data may change without prior notification*

FEEDER SCREW

CONDITIONER

TCS

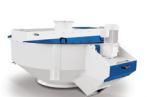
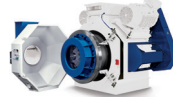
BOA COMPACTOR

PELLET MILL

COOLER

CRUMBLER

ROTOR SIFTER



PTN produces and develops high-quality, reliable machines. It strives to provide its customers with the following benefits through its products:

- » Higher yields.
- » Lower energy consumption.
- » Low maintenance requirements.
- » Access to state-of-the-art technology.

As a globally operating, specialized manufacturer of pelletisers and related machinery it is our ambition to expand to become the most respected professional OEM (Original Equipment Manufacturer).

Our strategy for achieving this ambition is to:

- » Expand and consolidate the global network of professional sales and service points.
- » Create a virtual and real image of professionalism, quality and innovation as well as a high level of standardisation and digital accessibility for strategic partners.
- » Transform technology, know-how and competences into technical and commercial added value.
- » Generate stable growth in sales and profit.



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