



FEED & BIOFUEL PELLET MILL TYPE BIOMAX

The ANDRITZ BioMax pellet mill offers a robust and easy-to-maintain design for consistent, high-capacity performance at low operating costs. The BioMax is constructed with two main components, the pelleting chamber, and the drive train.

The pelleting chamber is made up of a heavy-duty main shaft that drives the die and cast pellet chamber door that has the strength to sup-

ports the rolls yet is easy to operate because it is mounted on a motorized frame. The drive train, which consists of a main motor and a stand-alone gearbox, allows for the flexibility necessary to achieve the optimum die speed required for high working loads.

Additionally, the patented infeed system provides optimum material distribution which improves energy

efficiency and the gearbox comes equipped with an oil lubrication system with filtered air/oil cooling as a standard.

UNIQUE, PATENTED INFEED SYSTEM

The raw material is distributed to the rolls by a separate suspended, motorized feeding unit with 3 separate inlet screws delivering the product directly into the nip between the rolls and die for optimum production.

ANDRITZ

ENGINEERED SUCCESS

HYDRAULIC ROLL ADJUSTMENT

The rolls are equipped with hydraulic cylinders, which have position sensors:

- Rollers can be changed individually so if one roller need to be changed you don't need to change all 3 rollers
- Each roll can be individually zero point adjusted
- For easy and precise roll adjusting
- To help prevent die damage during idle running
- To keep the roll in the optimum position – securing optimum running conditions

SAFETY STOP

The BioMax hydraulic system is designed to open all roll adjusting cylinders automatically upon any shear pin failure. This provides increased protection against damage.

TAPER DIE FIT

The pellet mill has an operator-friendly conical bolt suspended die fit. The auto-piloting effect makes die change easy and reduces the time required. The die is made of high-quality steel and is symmetrical, allowing it to be reversed for extended lifetime.

OPTIONAL ACCESSORIES

- Automatic grease lubrication for roll bearings and main shaft bearings
- Water cooling of the roll shafts for extended bearing life
- Conditioner with steam addition provides optimum retention time for specific capacity requirements
- Computerized control system for process optimization.

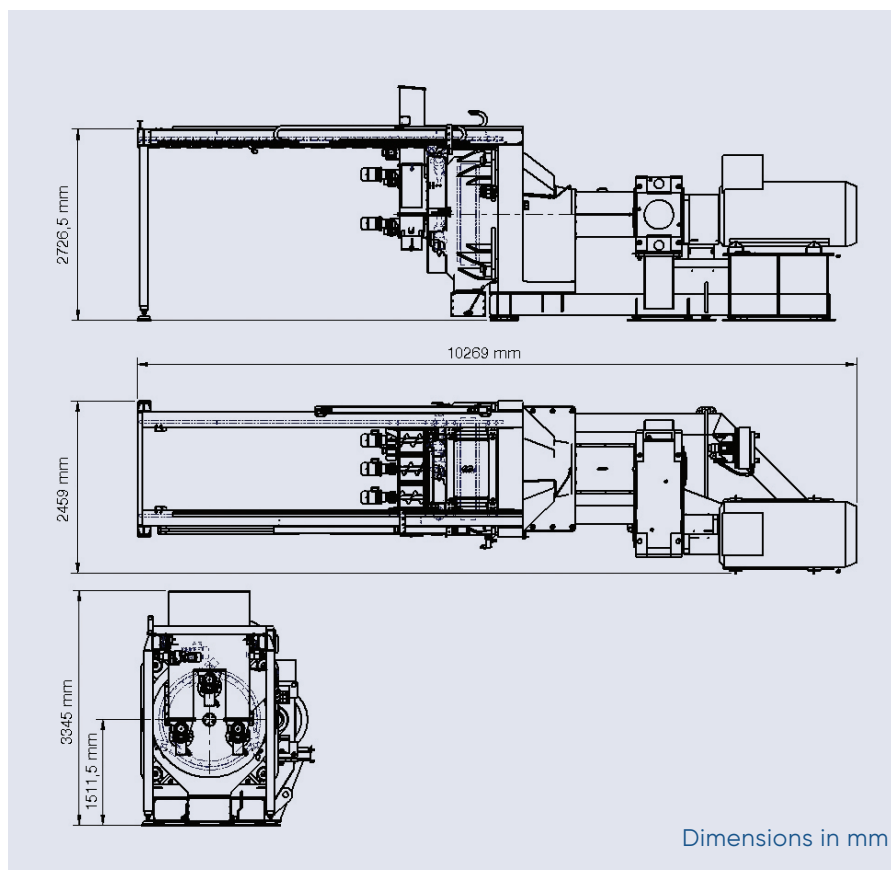
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Dimensions in mm

TECHNICAL DATA

Main motor		up to 800 kW	50 Hz/60 Hz
			1,480/1,780 rpm
Inlet screw	Stainless steel	3 x 1.5 kW	350 rpm
Oil cooler		1.5 kW	
Die	Dimension	Inner diameter	Ø 1,200 mm
		Effective press width	190 mm
		Effective press area	0.72 m ²
		Die velocity	6 m/sec.
Press rolls	Water cooling	Numbers	3
		Outer roll diameter	520 mm
Total weight (three parts in total)		Incl. main motor and screw feeder	33,000 kg



1221 GB