



# FEED & BIOFUEL PELLET MILL TYPE PM30-6

UPGRADES  
PACKAGES  
AVAILABLE FOR  
PM30-4 AND  
PM30-5 PELLET  
MILLS

## Introducing the new PM30-6

An upgraded, high-efficiency pellet mill designed exclusively for biomass production. It delivers superior pellet quality, reduced maintenance costs, and higher capacity thanks to its optimized die speed and patented feed system. Equipped with an energy-efficient double-reduction gearbox and pressurized oil lubrication with air cooling, it ensures reliable operation under heavy loads.

The heavy-duty cast pellet chamber door and independent feed system are mounted on a motorized frame for easy access and maintenance.

The inner pellet chamber cover is in stainless steel. Underneath a stainless steel liner, the pellet chamber insides are coated for better protection against corrosion & wear. The pellet chamber is also equipped with Dry Air Zone system which

eliminated the risk of condensation and dust build-up behind the main shaft.

Easy inspection of pellet chamber and setting of rollers via the feeder screw opening.

# ANDRITZ

The feed system is equipped with the patented feed screws driven by individual motors feeding material radially for even distribution to each roller.

### TAPER FIT DIE

The pellet mill has an operator-friendly, conical, bolt-suspended die of high-quality steel bottom out installed die. The auto piloting effect makes die change smooth and easy. The die is symmetrical and turnable.

### REPLACEABLE WEAR RINGS

The die main shaft and the reinforcement ring are supplied with replaceable wear rings.

### PRESS ROLL DESIGN

Wide rolls with turned edges and narrow track width are supplied with sturdy spherical roller bearings to withstand heavy loads.

The roller shaft, supported at both ends, is supplied with symmetrically placed water-cooling channels and a thermo-sensor for temperature monitoring of roller bearings.

Roll adjustment is checked via the feeder screw opening.

### DUAL KNIFE SYSTEM

The casted, stainless steel lined pellet chamber is equipped with a dual knife system to ensure optimal pellet length.

### OIL-LUBRICATION OF MAIN BEARING AND ROLLER MAIN SHAFT BEARING

The oil-lubricated main bearings facilitates better cooling and lubrication of the main bearing and roller main shaft bearing for longer bearing life.

### SAFETY STOP

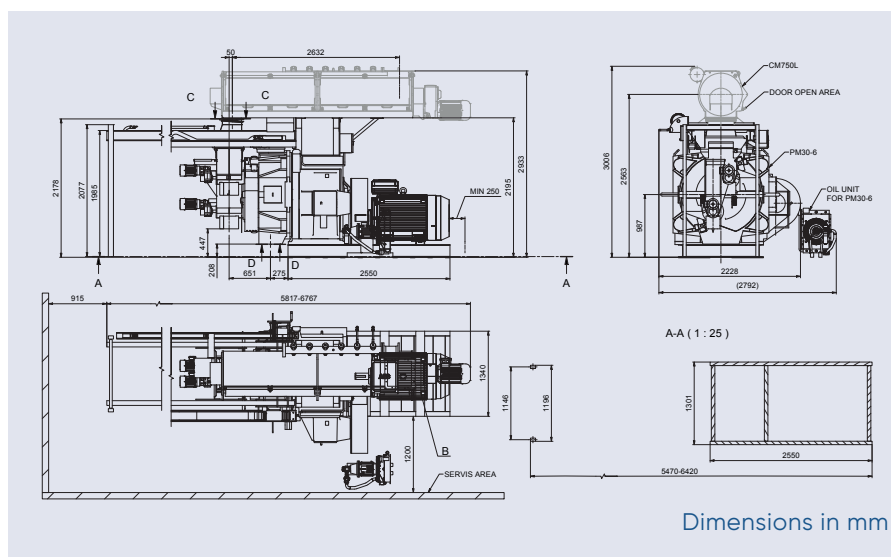
The shear pin system integrated into the roll adjustment spindle protects the shaft against damage.

### BUILT-IN HOIST

The built-in 1,5-ton wire rope hoist with lifting tools facilitates die and roll changing.

### OPTIONAL ACCESSORIES

- Automatic grease lubrication for roll bearings
- Water cooling of the roller shaft
- Conditioner with steam or/and binder addition provides optimum retention time
- Hydraulic Roller system for ease of maintenance and start-up



## TECHNICAL DATA

### Type PM30-6

<b>Main motor</b>		Up to 400 kW / 536 HP	50 Hz/60 Hz 1,480/1,780 rpm
<b>Inlet screw</b>	2 Individual	1,5kW	2 HP 295 rpm
<b>Oil pump</b>		2,2 kW	3 HP
<b>Oil cooler</b>	By Oil pump		
<b>Die</b>	Dimension	Inner diameter	Ø 850 mm
		Effective press width	134-163 mm
		Effective press area	0.36 – 0.43 m <sup>2</sup>
	Die speed		from 4.1 – 4.6 m/sec
<b>Press rolls</b>	Water cooling	Numbers	2
		Roll diameter	400 mm
<b>Total weight</b>	(Static)	Incl. main motor	11,600 kg
		Incl. main motor and conditioner	13,800 kg



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