

# Long residence time horizontal conditioners MLD



The long residence time horizontal conditioner purpose is to increase the residence time of the heated meal and improve the parameters required to obtain a high quality pelleting results. The processing temperatures range from 60°C to 100°C for a treatment time of 30 seconds up to 6 minutes.

That heat treatment is designed to increase the flow rate on pellet mill and improve pellets durability. It also kills the pathogenic germs, improves digestibility of products resulting from this process, limits wearing, energy consumption and shrinkage.

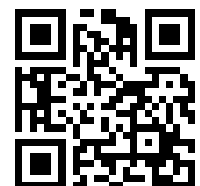
The regulated feeding of the pellet mill is carried out via a special valve with adjustable speed.

The screw feeding the conditioner is called “clogging” screw.

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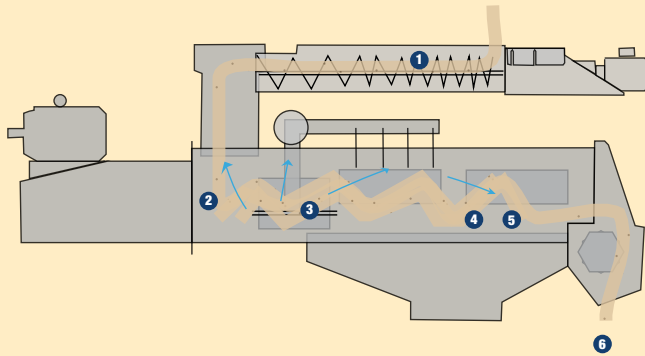


# Long residence time horizontal conditioner MLD

## Features

- Body heating by electrical wire
- Body insulating
- Liquids incorporation
- Temperature sensors
- Made with stainless steel

## Operating principle



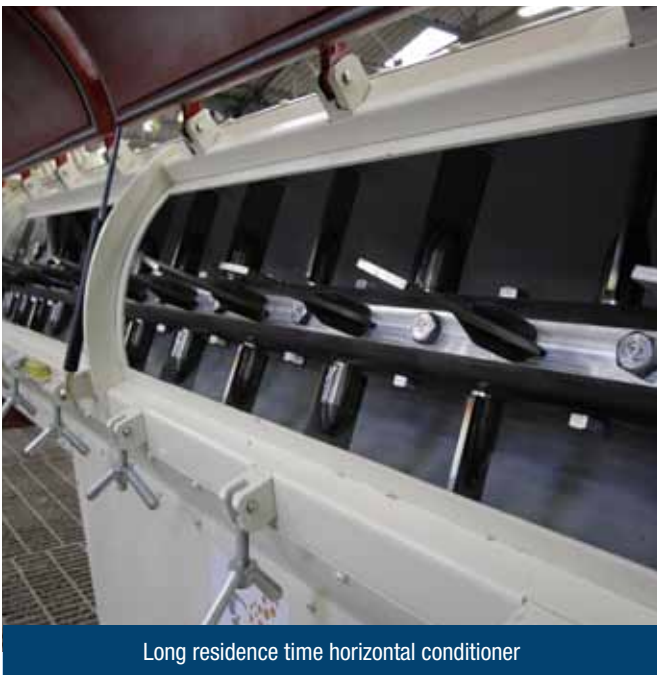
The meal is introduced by a special screw **1** which ensures a safe, steady and controlled.

The product then enters the conditioner **2** where the heat treatment carried out by direct steam injection **3**, according to parameters are set and according to the product to be treated

The product, introduced by gravity and blended by the rotors **4** undergoes a shearing effect and is stopped at the outlet until the instruction is given by a given temperature and residence time.

The paddles **5** are adjusted to optimise the homogeneity of the residence time, the mixing of the product and the control of the torque absorbed.

Finally the mixture is channeled into a feed chute for extraction. **6**



Long residence time horizontal conditioner



Long residence time horizontal conditioner on pellet mill

Range	Length	Width	Height	Diameter	Useful length	Power	Speed (50 Hz)
	mm	mm	mm	mm	mm	kW	rpm
MLD 550	3150	900	1000	550	2450	18,5	70
MLD 680	3700	1100	1160	680	3000	30	60

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