

M101330 -M101333-M101334
MEC-170 DEHAIRING MACHINE

Description:

MEC-type dehairing machines by Mecanova are the ideal equipment for slaughter lines processing between 50 and 170 pigs per hour, with dehairing cycles ranging from 40 to 60 seconds for one or two carcasses, achieving an excellent final finish.

This traditional machine is highly robust, and in its top-range model it can handle animals ranging from 50 to 350 kg, including large sows. Constructed from hot-dip galvanized steel, it is equipped with a scraping shaft that ensures excellent dehairing quality without leg breakage. The flexible coupling between the scraping shaft and the gear motor absorbs the mechanical shocks typical of the dehairing process, which results in reduced maintenance, increased operational reliability, and extended service life of the machine.

The unit includes a control panel (quoted separately) with a frequency inverter that allows adjustment of the shaft rotation cycles based on animal weight, ensuring the best possible dehairing quality. The touchscreen interface allows the operator to set dehairing times and shaft rotation speed with precision.



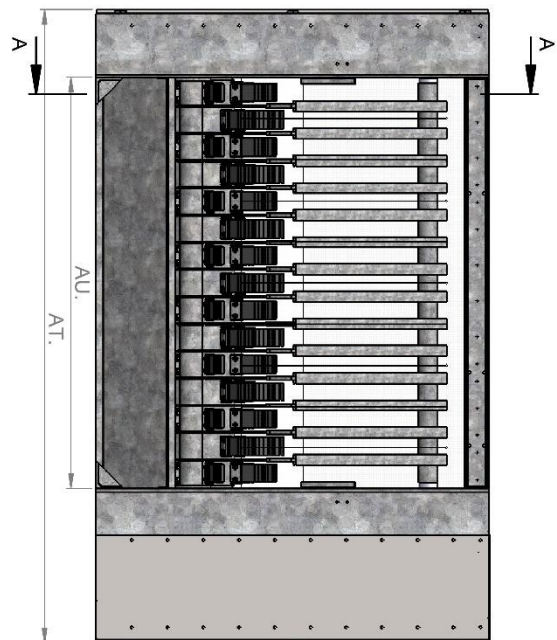
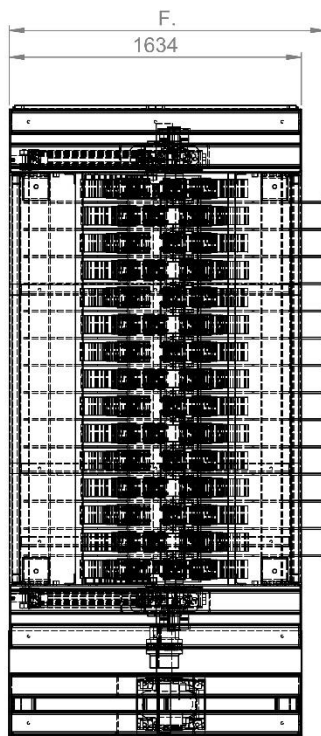
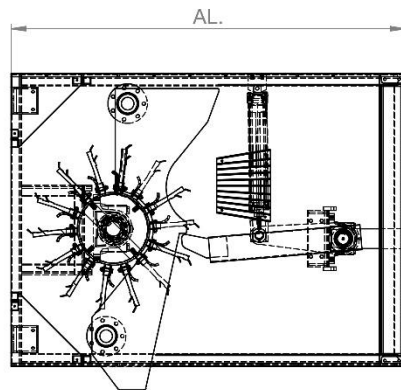
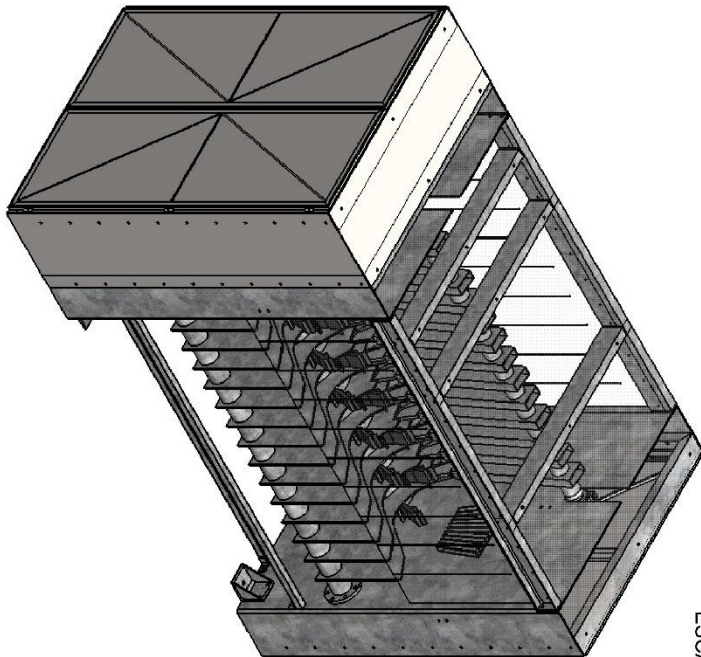
Technical specifications:


- Chassis made of UPN 140 hot-dip galvanized S275 JR structural steel and 8 mm thick folded S275 JR steel plates
- Scraping shaft: F125 shaft mounted on a 406 mm diameter tube with 10 mm wall thickness
- Timken bearings for the shaft
- Gear motor: 15 kW, voltage adapted to the customer's country specifications
- Pneumatic cylinders for comb opening (2 units), diameter 100 mm
- Front and rear curtains made of 1.5 mm thick transparent polyurethane
- Lockable side doors made of stainless steel
- Longwood 7* reinforced scraper paddles, specially designed for animals over 140 kg
- Dimensions according to model (see table below)
- Approximate weight: 4000 kg.



DEMONSTRATION VIDEO





MODIFICACION		OBSERVACIONES		FECHA	
REVISION					
 <p>MECANOVA INDUSTRIAL Y SERVICIOS</p>		<p>DESTINACION: M101330.000.00.01 Desplazadora MEC 170</p>		<p>Materiales: Acabado Superf.: Tratamiento Superf.: Tolerancias Inducidas:</p>	
Escala: 1:50	Dibujado: R.G.C.	PROYECTO:		N.º DE PLANO:	M101330.000.00.01
Verificado:	Fecha: 30/03/21	CLIENTE:			
Fecha:		UBICACION:			
		REF. PROYECTO:	2019.4594.5		

Models and Dimensions:

Table with dimensions in mm.

Ref.	Model	Total Width (TW)	Working width (ww)	Depth (D)	Height (H)	Nº of Scrapers (S)
M101330	MEC170	3.544	2.300	1.767	2.204	105
M101333	MEC170 XL	3.850	2.604	1.767	2.204	119
M101334	MEC 170 XXL	4.044	2.908	1.767	2.204	133

Electrical control panel:

The electrical protection and control panel can either be integrated into the main control cabinet of the slaughter line or supplied as a standalone unit.

In all configurations, a 24V control panel will be installed next to the machine to allow easy operation of the dehairing time and the rotation speed of the scraping shaft.

Regardless of the selected configuration, the panel includes:

- Local control panel next to the machine
- Protection and control components
- Frequency inverter
- Programmable Logic Controller (PLC)
- Safety module
- Remote assistance communication module
- Pneumatic control valve
- Air lubrication and drying unit

Documentation

The following documentation will be delivered with the machine:

- CE warranty certificate
- Operation and maintenance manual
- List of recommended spare parts
- Drawings of machine components referenced for the maintenance department
- Electrical and pneumatic diagrams

