

M101451

CLEANING WHIPPING MACHINE 4RH

Description:

This machine is designed for polishing and washing pig carcasses and is typically installed in cleaning tunnels following vertical whipping machines.

The equipment is structurally built using 6 mm thick stainless steel plates forming two welded symmetrical bodies, providing exceptional rigidity.

- Motors with rotating shafts progressively cover the entire surface of the carcass, ensuring a superior finishing quality.
- Flexible coupling between the motor and shaft improves motor lifespan.
- Each shaft is equipped with 12 stainless steel discs, each accommodating 16 whipping strips, fastened by 4 stainless carriage bolts, ensuring minimal shaft wear and easy flagellum maintenance.
- The design facilitates efficient drainage of water and debris into the drip channel below the slaughter line.
- The two bodies are joined by four hot-dip galvanized UPN portals, allowing easy integration with the overhead conveyor system.
- Includes a mid-height stainless steel bar to prevent carcasses from becoming entangled in the shafts.
- Optional entry and exit doors can be added to prevent splashing.

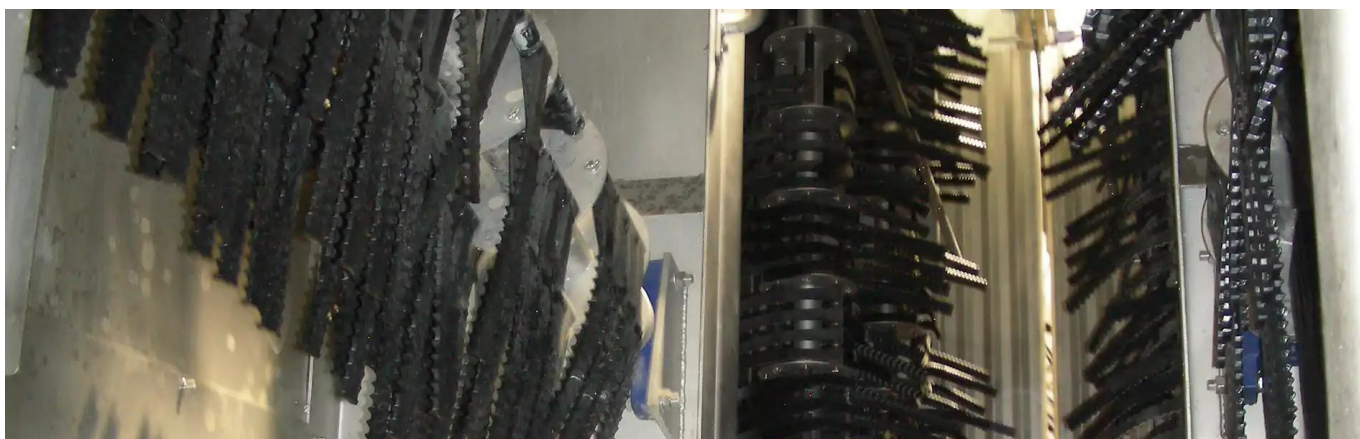


It is recommended to connect the water diffuser system to the cooled rail to spray carcasses with warm water, improving the washing process. Upon request, a sectioned pneumatic valve can be included to stop water flow when the conveyor halts, reducing water consumption.

Mecanova's horizontal whipping machines are specially designed to thoroughly clean difficult carcass areas such as: Hams and folds between hams, belly area, head, specifically the forehead and jowls. This targeted cleaning is achieved by counter-directional flagellation that removes remaining debris from these hard-to-reach areas, leaving the carcass spotless. The machine features four inclined horizontal shafts, ensuring effective cleaning regardless of the animal's length.

Additionally, it includes two rows of low-consumption water diffusers: two at the top and two at mid-height, for optimal carcass finishing.

Mecanova incorporates rubber whipping, which significantly improves the quality of the carcass finish.



Technical Specifications:

- Constructed with a stainless steel AISI 304 frame and removable side panels made of stainless steel sheet.
- Number of horizontal rubber whip shafts: 4
- Double whip strips made of reinforced rubber with polyethylene bushings
- Number of whip strips per shaft: 84
- 4 gearmotors of 3 kW each
- Speed: 213 rpm
- Typical dimensions: 1750 x 2000 mm. Height: 3740 mm
- Weight: approx. 700 kg
- Water spray system with 8 diffusers: 4 top and 4 at mid-height (consumption of 24.4 liters/hour)
- Electric control cabinet not included (the control panel includes a soft-start system to reduce maintenance requirements)

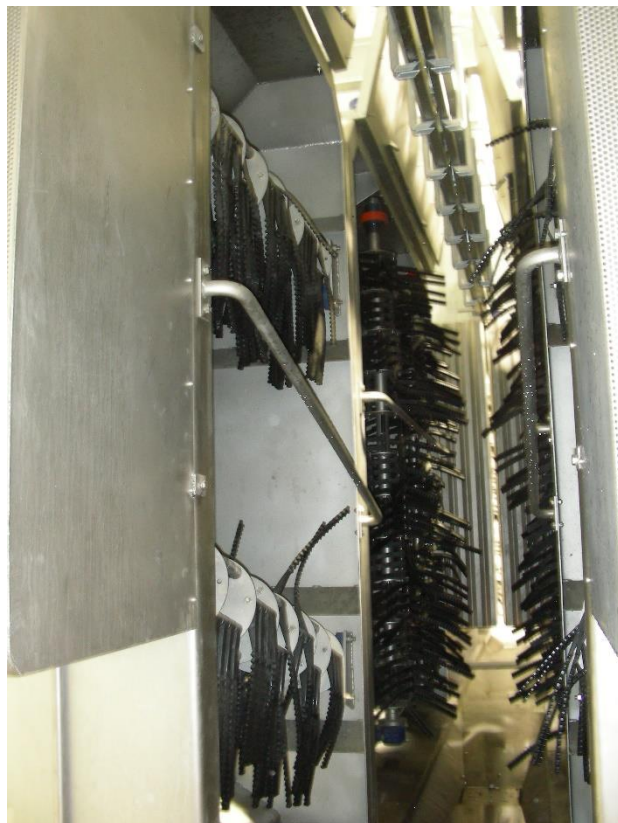
DEMONSTRATION VIDEO

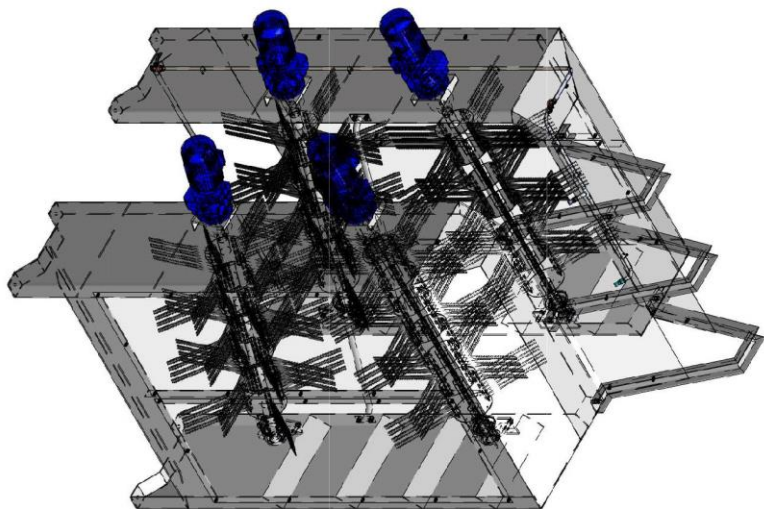
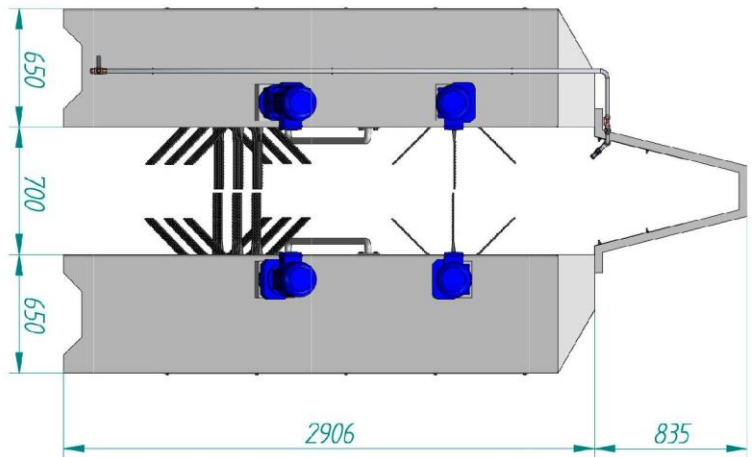
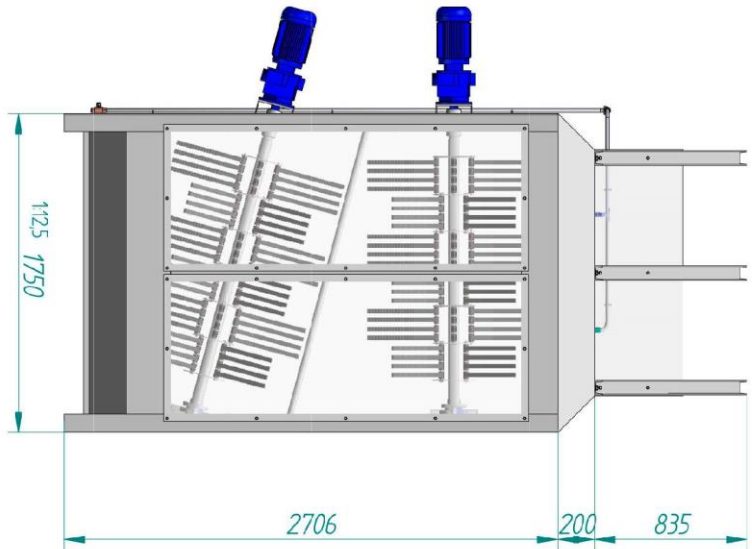
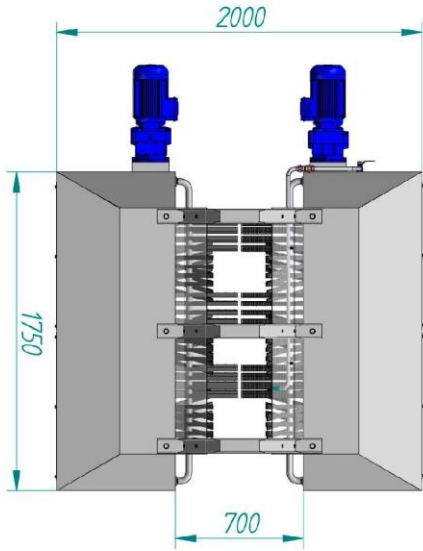
ILLUSTRATIVE VIDEO


Documentation

The following documentation will be delivered with the machine:

- CE Warranty Certificate
- User and Maintenance Manual
- Recommended Spare Parts List
- Referenced Drawings of Machine Parts for the Maintenance Department
- Electrical and/or Hydraulic Schematics





| | | | | |
|---|--|---|---|----------------------------|
|  | | MECANOVA <small>TRABAJAMOS EN TODO EL MUNDO</small> | | MODIFICACIÓN: REVISIÓN: |
| Estado: 120 Fecha: 06/05/2021 Verificado: <input type="checkbox"/> Firmado: <input type="checkbox"/> | Diseñado: V/S Proyecto: 02-T017490-000-00-00 Cliente: <input type="checkbox"/> Ubicación: <input type="checkbox"/> Ref. Proyecto: <input type="checkbox"/> | Observaciones: FECHA: | Material: Análisis Superf.: Tratamiento Superf.: Tolerancias indicadas: Rev: 00 Num. Plano: M114/451 | Observaciones: FECHA: |

