

M101440

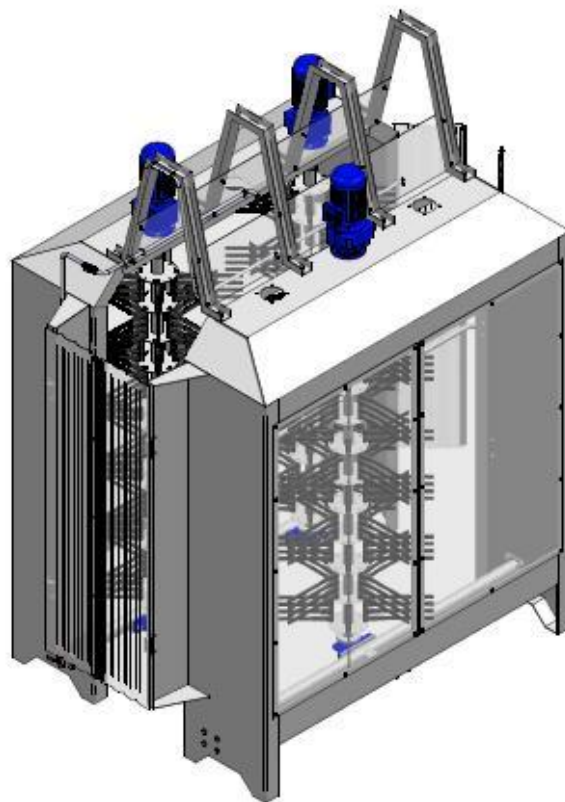
CLEANING WHIPPING MACHINE 3RV

Description:

Machine designed for final hair removal and carcass surface cleaning after the dehairing process and prior to the entry into the singeing furnace.

This unit is structurally manufactured with 6 mm thick stainless steel plates forming two symmetrical welded bodies, ensuring high rigidity.

- Motors with shafts that progressively reach the entire surface of the carcass to ensure optimal finishing quality
- Flexible shaft coupling between motor and shaft enhances motor durability
- Shaft weight is supported at the bottom by tapered roller bearings
- Each shaft is equipped with 12 stainless steel disc assemblies, each holding 16 rubber flails, fixed using four stainless steel carriage bolts; this design prevents metallic wear on the shafts and ensures easy flail maintenance
- The lower part of the structure is designed to drain water and dirt efficiently into the drip channel along the processing line
- The two main bodies are joined by four hot-dip galvanized UPN portals, allowing seamless integration into the overhead conveyor or trolley line
- Includes a mid-height stainless steel barrier to prevent carcasses from tangling with the rotating shafts
- Optional entry and exit doors are available upon request to minimize external splashing

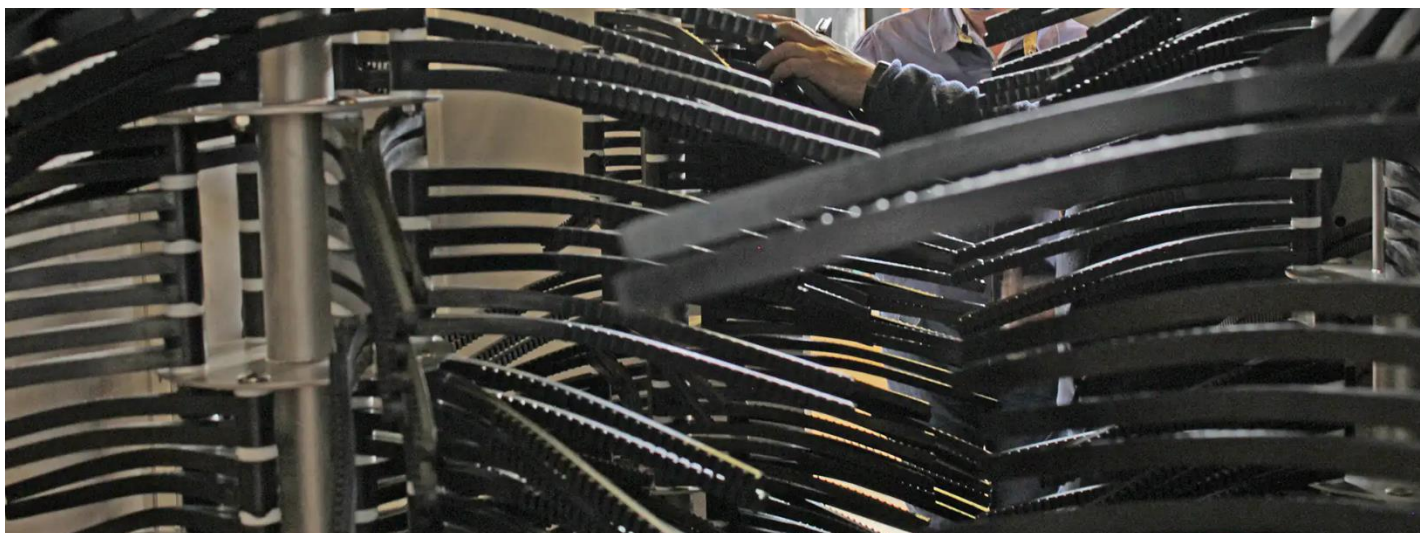


Mecanova incorporates rubber whipping, which significantly improves the quality of the carcass finish.

The unit is equipped with a low-consumption water spray system, distributed through both machine bodies via two upper and two mid-level spray lines, ensuring optimal carcass cleaning.

An optional water shut-off valve can be installed to activate the water spray only when the overhead conveyor is in operation.

It is recommended to supply water from the singeing rail cooling system. This allows reusing heated water, maintaining carcass temperature, and improving the removal of any remaining hair.



Technical Specifications:

- Frame constructed from AISI 304 stainless steel, with removable side panels made of stainless steel sheet
- Number of vertical rubber-flail shafts: 3
- Length of each shaft: 2,300 mm
- Double rubber flails reinforced with bronze bushings on each flail
- Number of flails per shaft: 168
- Three gearmotors of 3 kW each
- Rotation speed: 213 rpm
- Typical dimensions: 2,400 x 2,000 mm. Height: 3,740 mm
- Electrical control panel not included
- Water spray system with diffusers
- Water consumption: 1,099.8 litres/hour

DEMONSTRATION VIDEO

Documentation

The following documentation will be supplied with the machine:

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

