

M101002 PORK RESTRAINER R100 (WITHOUT ATOMATIC STUNNING)

Description:

The restrainer is a machine for the conduction and immobilization in the stunning by electronarcosis of pigs between 50 and 300 kg, with a production of up to 200 pigs per hour.

The machine is structurally made of AISI 304 stainless steel with modular conveyor belts in V in Acetal. It is also supported on a 100x100 tube frame of e 3. It also equips an upper support guide to avoid jamming and trying to climb from one animal to another.

Both the belt spacing and the height of the upper guide are manually adjustable. Mecanova recommends the initial adjustment adapting to the most frequent sizes that the client works. The belts are driven by 1.1 kW gearmotors.

The restrainer is controlled in automatic mode by a 24 V pedal operated by the person in charge of the stunning tonges, dosing the animals as needed. This model is especially suitable in slaughterhouses with productions of between 50 and 200 pigs per hour with irregular weights of between 50 and 300 kg. A bleed table is recommended at the exit of the restrainer.

The special design of our restrainer using modular Intralox-type acetal belts provides several advantages: low maintenance, since it is only required to lubricate the UCF of the shafts; better cleaning and less risk of breakage, thanks to its few moving elements and low investment cost due to its simple manufacture.

Technical Data:

- 100 e 3 square tube frame made of AISI 304 stainless steel
- Conveyor belts made of 40x40 e 2 and 40x20 e 2 AISI 304 stainless steel tubes on which side plates cut by laser of 5 mm thickness are mounted.
- Drive and return shafts made from solid 40x40 stainless steel with 250 diameter acetal pinions
- Polyethylene side guides screwed to the sheet
- UCF 206 bearings in stainless steel with acetal housing
- Tension of mechanical belts on UCF
- Bonfiglioli 1.1 Kw gearmotor advance 14 meters minute
- Upper guide system manually adjustable in height (possibility of pneumatic adjustment) made of stainless steel with Polyethylene 500 guides. It includes four lines of round tube with a diameter of 30x1'5 that prevents the return of one animal to another.
- Controlled by an electrical panel with IP66 protection with safety module and two operating modes: manual and automatic
- The operation in automatic mode allows the advances step by step activated with a pedal at 24V



Demonstration Video:

<https://youtu.be/PTsI5N07xIk>





