

# HATCHERY AUTOMATION

## Chick/Shell Separator



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- Efficient separation of chicks / shells
- High capacity
- Constructed in "roll-away" modules
- Easy to clean
- Space saving design
- Uniform flow ensures high performance
- Chick conveyors made in steel bars
- Constructed in stainless steel

# Technical description

## ■ Uniform flow of chicks ensures high performance

The speed of the chick conveyors can be adjusted individually by built-in frequency converters. In this way it is possible to have a very uniform flow of the chicks to the grading table and counter system, thus improving the overall performance.

## ■ Chick conveyors in steel bars

From the separator to the grading table the chicks are transported on a double conveyor made in stainless steel bars. In this way any small shell pieces remaining among the chicks are taken away before appearing on the grading table.

## ■ Constructed in stainless steel

The construction of the separator observes the demands of outstanding performance, trouble free operation, a high degree of bio-security and low labour cost. Cables are placed inside the closed stainless steel frame of the machine, the waterproof control unit is an integrated part of the unit, no space for dangerous bacteria, no awkward corners - nothing but stainless steel.

## ■ Easy to clean

Efficient and easy cleaning demands free access to all parts of the equipment.

The "roll-away" modular constructed separator ensures that no spots are left dirty with the risk of bacteria growth. Drum motors are used for all conveyors to avoid "hard to clean" V-belt systems.

## Technical specifications

Capacity:  
86.400 chicks/hour

Electrical supply:  
230V, 50/60 cycles

Power consumption:  
0,6 kW

Air consumption:  
10 l/min

Air pressure:  
6 bars

Material:  
Stainless steel 304

## ■ Efficient separation of chicks | shells

When the filled hatcher trays enter the tray-turning-device of the separator, the contents of the trays is gently loaded on the separation table. The separation table consists of rotating stainless steel bars, which sort out small shell pieces at the upper end. The chicks will drop to a chick conveyor at the lower end and big shell pieces + non-hatched eggs will continue and drop on the offal conveyor at the edge of the table.

## ■ Constructed in "roll-away" modules

The separator is constructed in modules equipped with swivel wheels. This ensures easy access to all mechanical parts.

## ■ Space saving design

The compact design of the separator ensures that only a minimum of floor space is required for installation. The reduced height of the unit ensures that manual loading of the hatcher trays can be performed without problems.

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