



# Pas Reform SmartCount™

Chick counting and dosing system

Integrating Vision technology for high capacity counting,  
vaccination and the analysis of day old chicks



**Royal Pas Reform**  
Integrated Hatchery Solutions



# SmartCount™

## Benefits

Automatically detects day old chicks of different sizes using Vision Camera Technology, to count and place them in chick boxes with a 'friendly' handling process that reduces stress and travel time for the chicks. By integrating the data and statistics generated by SmartCount™ with the SmartCenterPro™ hatchery information system, the hatchery manager can produce detailed data analysis and batch reports based on uniformity scorings, weight indications, number of chicks per batch and other important criteria.

## How it works

- Chicks are gently transported toward the camera on an extra wide selection conveyor
- Counting takes place as they pass the camera controlled counting system, at a rate of 75,000 chicks/hour (750 chick boxes/hour)
- Innovative Vision technology checks chick uniformity, to indicate weight and record uniformity score by taking 70 images per second
- Smart pattern recognition registers the number of chicks per box and produces precise dosing per box, also allowing for multiple compartment filling
- When the required number of chicks has been reached in the chick box, chicks slide to the next chick box by means of the automatic extractable guiding pins
- Full chick boxes are then transported to the (optional) spray vaccination system

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## Related products

- ▶ Automatic spray vaccination system
- ▶ Manual separator
- ▶ Automatic separator
- ▶ Destacker for empty chick boxes
- ▶ Stacker for full chick boxes
- ▶ SmartCenterPro™
- ▶ Chick box



## Technical Specifications

Capacity	> 75,000 chicks per hour or 750 chick boxes per hour
Accuracy	> Better than 2 chicks per thousand, based on 10 consecutive boxes of 100 chicks per box
Max. Power consumption	> 3.2 kW
Air consumption	> 1.7 litre/chick box at 6 bar
Dimensions (LxWxH)	> 700 x 2000 x 1700 mm (depending on configuration)
Material	> Stainless steel AISI304 (where applicable)
IP Marking	> Motors IP55 > Sensors IP68 / IP69 > Control panel IP66



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