



Innovatec
hatchery automation

ChickVision

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contributing to
healthier chicks

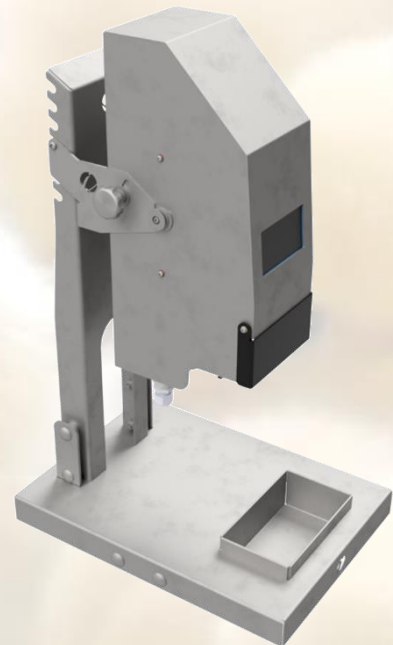


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ChickVision

ChickVision is a vision system powered by artificial intelligence for vent sexing one day old broilers and layers. The system provides a constant output result without getting distracted or tired. The accuracy reaches 98% and above. The technology and accuracy has been validated on tens of millions of day old chicks over the past years.

The operator pushes the meconium out of the chick and presents the cloaca in an assigned area for the camera system. Upon camera recognition the gender determination takes place. The result is displayed on color screen and the operator can put the chick in the appropriate chick box.



ChickVision Benefits

- 98% and above accuracy, for known strains
- Constant output quality
- Gender identification performance not influenced by fatigue or distraction
- Compact design
- Low operating requirements
- Easy to implement in existing production line
- Knowledge of gender determination is integrated in the device

Consumption specifications		Miscellaneous specifications	
Power consumption	72 Watt	Depth	420 mm
Operating Voltage Range	100-240V	Width	300 mm
Phases	Single phase (1Ph)	Height maximum	710 mm
Ground Conductor	Present (PE)	Height adjustable	Steps of 22 mm
Current Type	50/60Hz	Weight	Approx. 22 kg
Air/water consumption	Not applicable	Certification	CE certified
Internet connection	Not applicable		

Miscellaneous

If the customer's strain of bird is unknown to the AI system, Innovatec can arrange machine learning session to add the strain to the artificial intelligence library. Experience learns us that unknown strain already have above 95 % accuracy rate.

Accuracy rate is influenced by correct presentation of vent to the camera. Therefore the operator has to receive a 5-days training session to become a certified user.

After training on correct presentation, the craftsmanship of operator in handling the bird could increase the capacity to 1.200 day old chicks an hour.