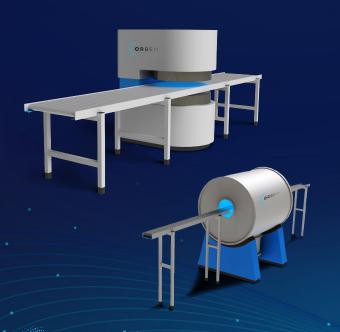


Al-powered MRI for egg analytics

FAST ACCURATE CONTACTLESS

What do we do

Al-powered MRI for egg analytics



The Genus combines accelerated MRI (Magnetic Resonance Imaging) with advanced deep learning algorithms to image eggs and automatically classify them. By energizing MRI with AI it is transformed from slow, expensive and complicated to fast, accessible and simple.

The Genus opens the door to three main use cases in the poultry industry: **in-ovo sexing, fertilization detection and phenotyping.**

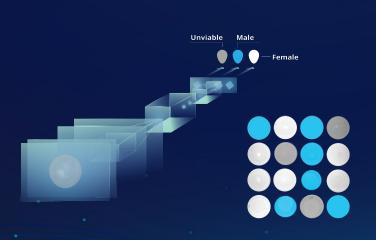
We believe this gives our customers the insights they need to make better decisions - for their business and for the planet.





In-ovo Sexing

Stop the culling of day-old-chicks



Detect the sex of developing embryos in-ovo and contactless on day 12 of incubation. The fully automated and modular design allows for a throughput of 24 000 eggs per hour.

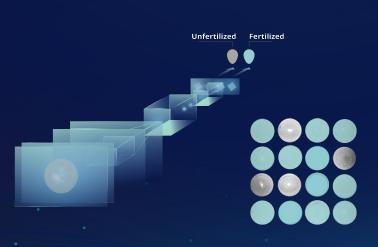
Key figures:

- 3 000 eggs/hour per module
- Up to 8 modules in parallel
- >95% accuracy
- No effect on hatchability
- Works for all breeds



Fertilization status

Use unfertilized eggs for human consumption



Detect the fertilization status of eggs pre-incubation and replace break-out analysis. Create additional revenue by selling unfertilized eggs as table eggs and increase your incubation capacity.

Key figures:

- 9 000 eggs/hour per module
- >99% accuracy
- No effect on hatchability
- Works for all breeds



Phenotyping

Unleash what's hidden behind the shell



Detect phenotypes that are relevant for your operations on any day of incubation and replace breakout analysis. Start making operative decisions based on large scale data sets.

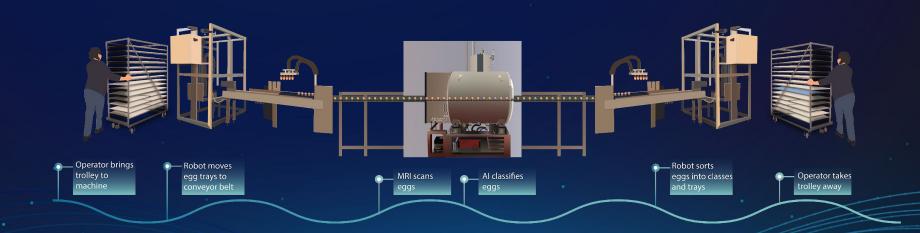
Key figures:

- 9 000 eggs/hour per module
- <10% error in comparison to manual measurement
- No effect on hatchability
- Works for all breeds



Process Overview

The Genus integrates seamlessly to your hatchery





Our References



Hendrix Genetics

- Egg analytics
- Operational since September 2021



Hendrix Genetics (I.S.A.)

- In-ovo sexing
- 4 modules operational since January 2023



Lanckriet

- In-ovo sexing
- 2 modules operational since January 2023





Do you want to learn more?

Contact us!



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