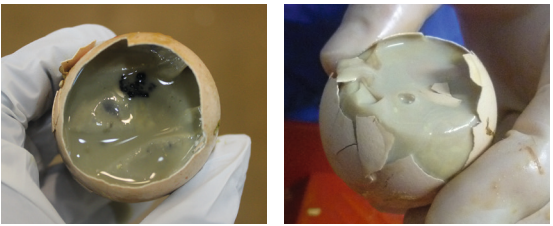
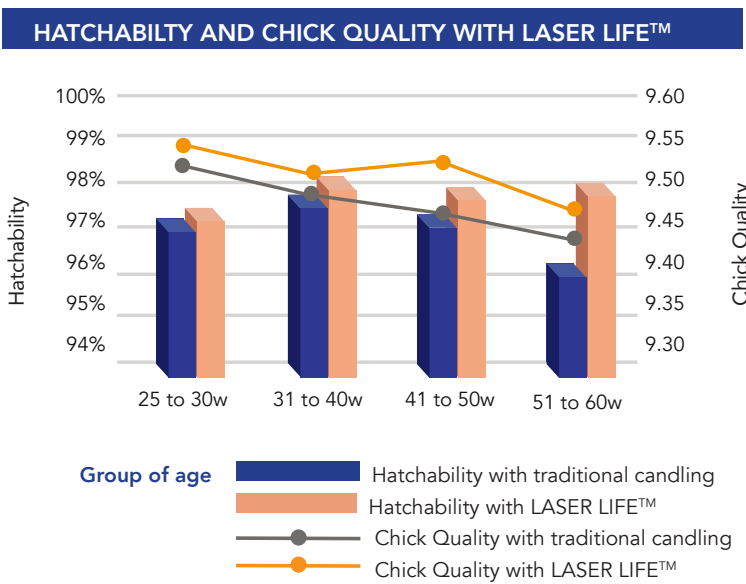
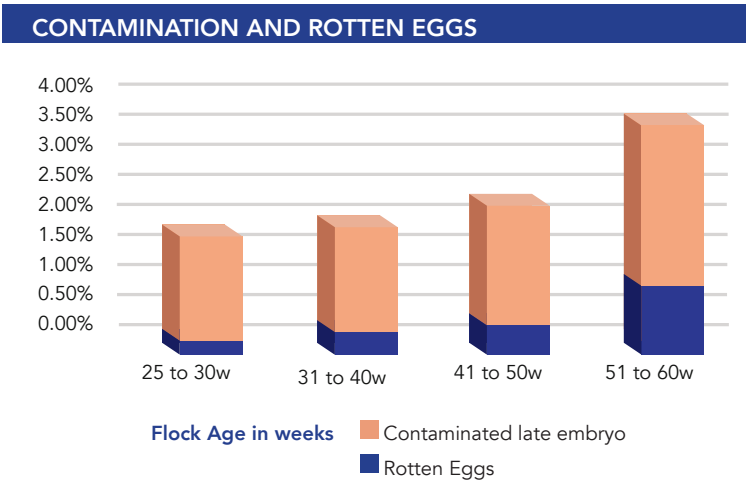


LASERLIFE®: UNIQUE TECHNOLOGY TO IDENTIFY ROTTEN EGGS AT THE TRANSFER TIME

Why is this so important?



Bacterial contamination and incidence of explosive eggs increase late embryo mortality, reduce hatchability and result in poor chick quality.

LASERLIFE® technology allows better hatchability and chick health, by effective detection and removal of dead embryos and rotten eggs:

- As day-old chicks are exposed to a much lower bacteriological challenge at hatch, the eventual need for antibiotic treatments in the first week is much reduced.
- Chicks with lower bacteriological challenge at hatch present a better chick quality index and better chick health status.

How to calculate the return of investment?

The cost impact of contaminated eggs is really high: late mortality, chick quality and biosecurity issues, first-week antibiotic use, etc. LASERLIFE® innovative technology is designed to mitigate these costs and improve hatchery performance.

- ✓ A potential improvement of the hatchability index by 0.5/1% would show a very fast return of investment.
- ✓ In case in ovo vaccination is performed, the vaccine savings could represent up to 3/5%.

egg inject®
IN OVO SYSTEM



LASERLIFE® IS THE PERFECT MATCH TO COMPLETE THE EGGINEJECT® IN OVO VACCINATION SOLUTION

Removing contaminated and late mortality eggs before in ovo injection enhances safety and biosecurity in the vaccination process.



Ecat-iD Campus

LASERLIFE® IS DESIGNED AND ENGINEERED BY CEVA ECAT-ID CAMPUS

- ✓ Ceva Ecat-iD Campus invests heavily in the research and development of the very best candling technology.
- ✓ Ceva Ecat-iD Campus is the leading global provider of the next generation in innovative hatchery automation.

Designing the future of hatchery automation

CUSTOMER SERVICE WORLDWIDE PRESENCE
with local Services teams in all of these countries



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www.ecat-id.com / contact@ecat-id.com

laser
CANDLING SYSTEM
LIFE®

CHOOSE LIFE

Laserlife®

Identifies and removes contaminated eggs and dead embryos at transfer

www.ceva.com www.ecat-id.com



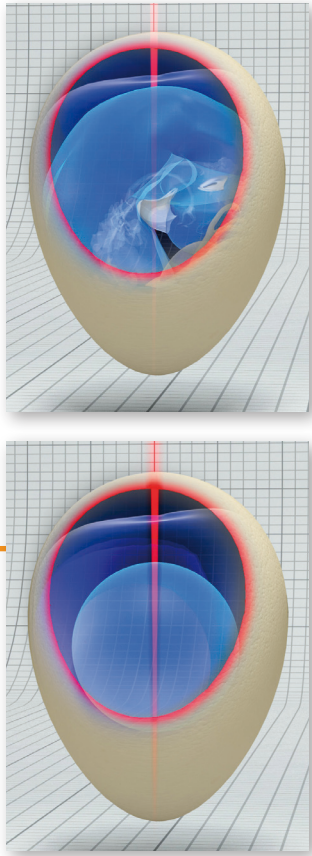
REVOLUTIONARY LASERLIFE® SYSTEM

Laserlife®, with its dual sensor analysis, can categorise each egg as either live, dead, contaminated or clear. This detailed identification allows for the removal of non-viable eggs before incubation, improving biosecurity.

How it works?

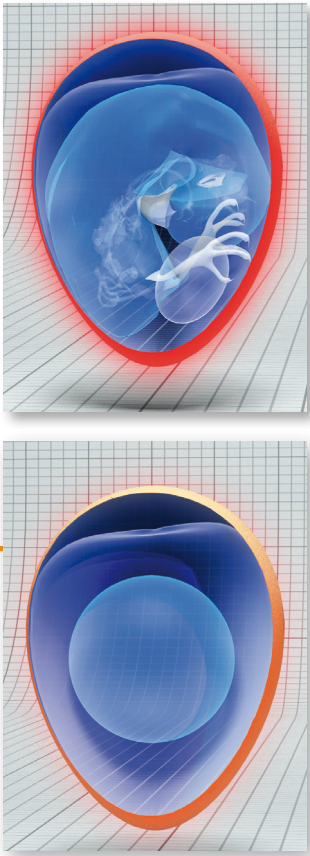
✓ LASER

Through careful laser analysis of the eggs, the refraction patterns are used to determine the nature of the unfertilized eggs.



✓ LIFE

Fertile eggs are identified using heat emission analysis in addition to an infra-red scan.



Each egg is then categorized as either clear, dead embryo or contaminated

TECHNICAL INFORMATION

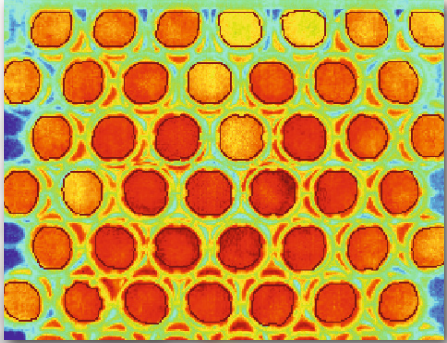
- Contaminated egg detection can improve hatchability between 0.5 and 1%
- Designed to support antibiotic-free production in poultry
- LASERLIFE® is designed processing up to 90 000 eggs per hour

21ST CENTURY CANDLING TECHNOLOGY

✓ LASER



✓ LIFE



Through careful analysis of heat emission, in addition to laser technology, up to 99.8% of live embryos can be accurately identified at 18 days of incubation. Heat emission analysis determines which eggs are fertile and which are dead and rotten, while laser technology determines which eggs are fertile and which are clear.

Through this process, all eggs can be classified as clear eggs, dead embryos, rotten eggs or live embryos. Then, only live embryos are transferred to hatch, allowing the hatcheries to comply with the highest biosecurity and safety standards.

