

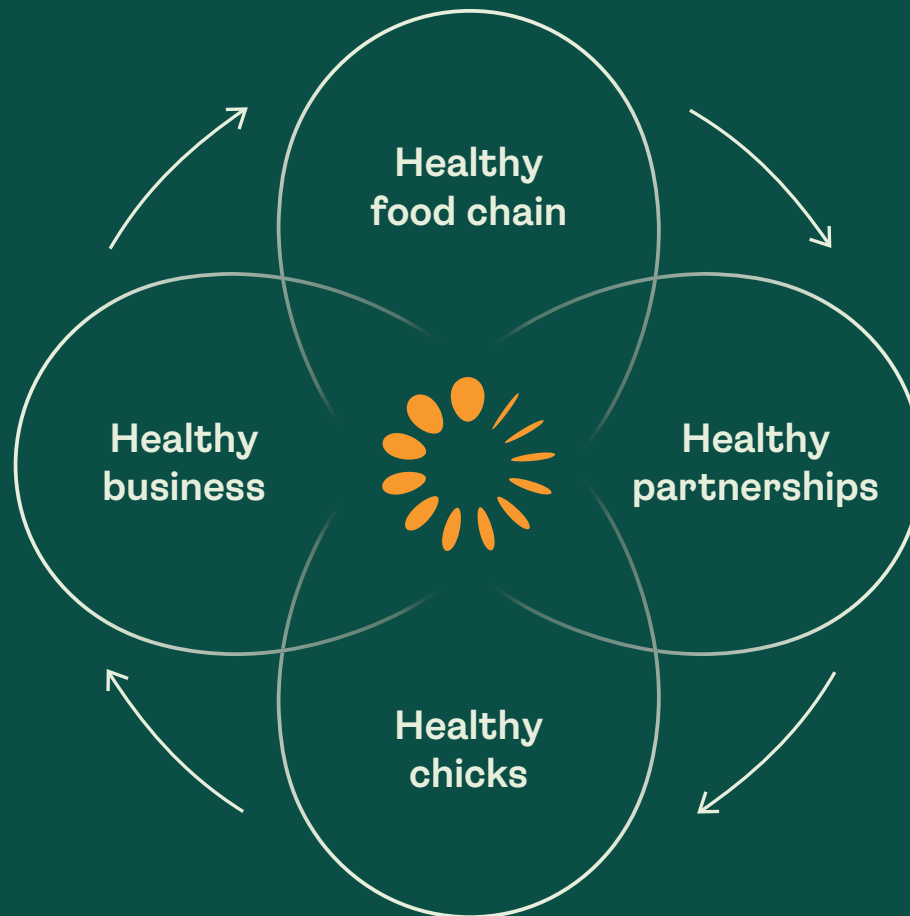
CLEANchick Dual Technology.

Biosecurity is one of the most critical factors in keeping your hatchery clean and ensuring the health of your flock. Eggs containing dead embryos, potential exploders, or contamination, pose a significant health risk to your hatchery. Addressing these hazards promptly is essential to maintain a healthy environment.

By removing these eggs on the transfer day, you minimize the risk of contamination and reduce bacteria levels. This helps prevent chicks from becoming infected during hatching.

Our CLEANchick Dual Technology, live embryo detection, is designed to make and keep your flock healthy in the broadest sense.

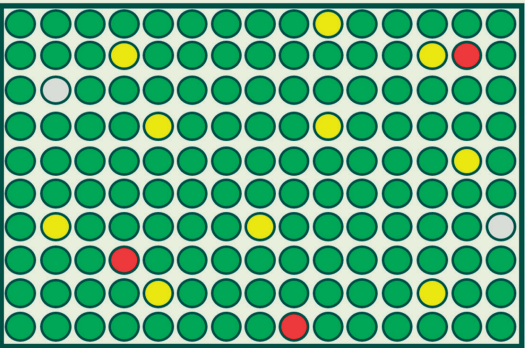
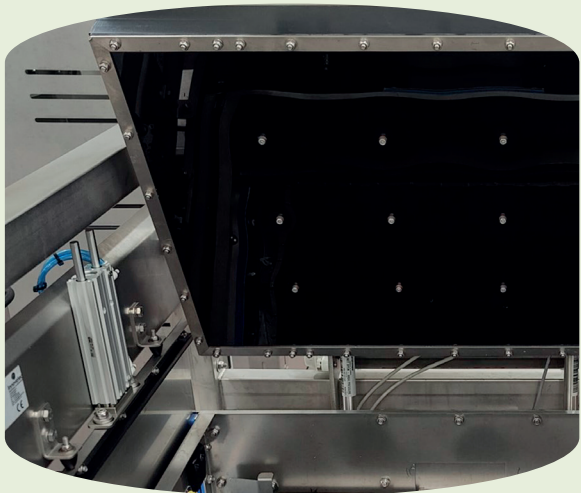




JOINING FORCES FOR **THE FUTURE** OF HATCHERY HEALTH

CLEANchick Dual Technology of Innovatec uses a contactless live embryo detection and candling system to detect live embryos and infertile eggs.

Two different measurement technologies operate simultaneously at high speed. During these measurements, CLEANchick determines whether a heartbeat is present. If no heartbeat is detected and the egg is not classified as infertile or early-dead embryo, the egg is either an exploder, or contains a late-dead embryo. The data is collected and stored per flock. With this you can monitor your breeding and incubation performance.



- Living embryos
- Infertile eggs and early-dead embryos
- Exploders and late-dead embryos
- Empty pocket

The technology behind Innovatec's CLEANchick live embryo detection is also available for ducks and turkeys during the transfer day, which is common in these industries.

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CLEANchick production line.

After detecting live embryos, non-viable eggs are immediately removed by our Exploder Removal System and Clear Egg Removal, both perfectly suited for this purpose. Following this crucial process, both manual and fully automatic backfilling with live embryos can be implemented. By combining these systems with CLEANchick Dual Technology, health risks to your hatchery are minimized and the capacity optimized. As a result, the production of healthier day-old chicks is ensured.

CLEANchick achieves over 95% accuracy in detecting late-dead embryos and exploders. The accuracy of identifying infertile eggs and early-dead embryos is over 99,95%.

