

CLEANchick.

CLEANchick Dual Technology.

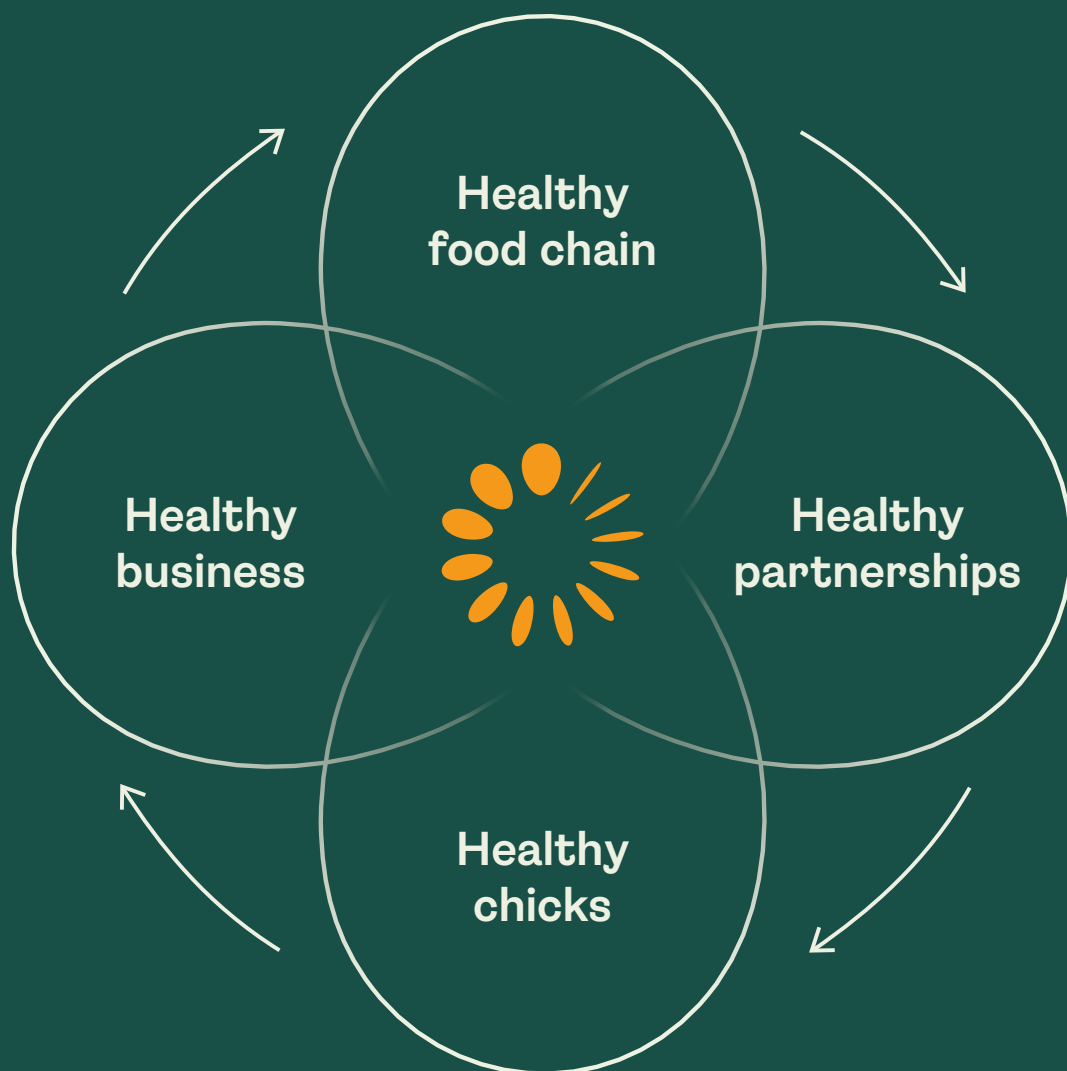
Biosecurity is one of the most critical factors in keeping your hatchery clean and ensuring the health of your flock. Eggs containing dead embryos, potential exploders, or contamination, pose a significant health risk to your hatchery. Addressing these hazards promptly is essential to maintain a healthy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





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THE FUTURE OF
HATCHERY HEALTH**

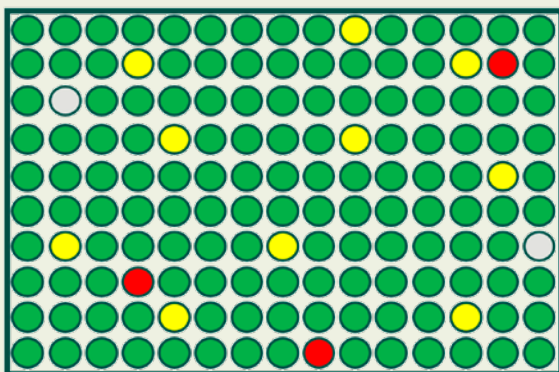
CLEANchick Dual Technology of Innovatec uses a contactless live embryo detection and candling system to detect live embryos and infertile eggs.

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.

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

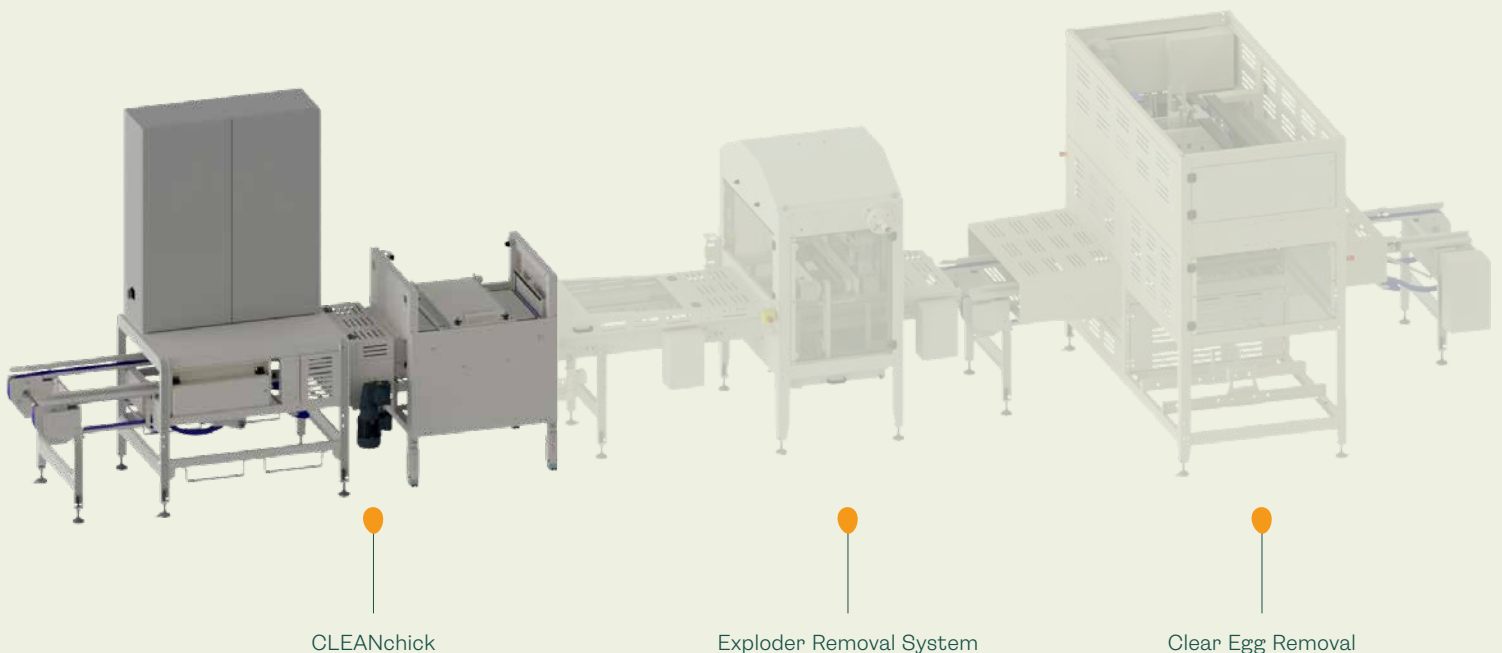


CLEANchick production line.

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%.



CLEANchick Technology, also available for early candling.

Innovatec's CLEANchick is available for early candling at the 10th day of incubation. The ability to detect live embryos on the 10th day significantly enhances the utilization of your setter capacity.

After detecting all eggs containing a live embryo, the remaining eggs will be removed from the setter tray. Both manual and fully automatic backfilling can be implemented in the line to ensure maximum utilization of the setters.

By removing non-viable eggs at this early stage of incubation, contamination risks are minimized, contributing to optimal hatchery performance and reducing the bacterial load within your hatchery. Early candling is suitable for both a 3-stage incubation process and the early incubation process used in the pharmaceutical industry.

Key Benefits:

- Enhanced hatchability: Improves chick uniformity by addressing egg incubation during the critical exothermic phase.
- Optimized capacity: Backfilling ensures maximum utilization of setter and thus hatchery capacity.
- Unmatched accuracy.

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Healthy Hatchery Solutions.

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