

Brochure

Three Phase Incubation

Automated and Accurate Candling at Day 9

Challenging the Industry Standard



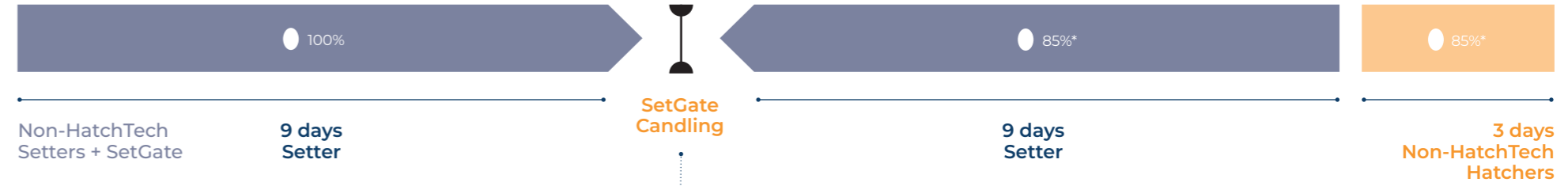
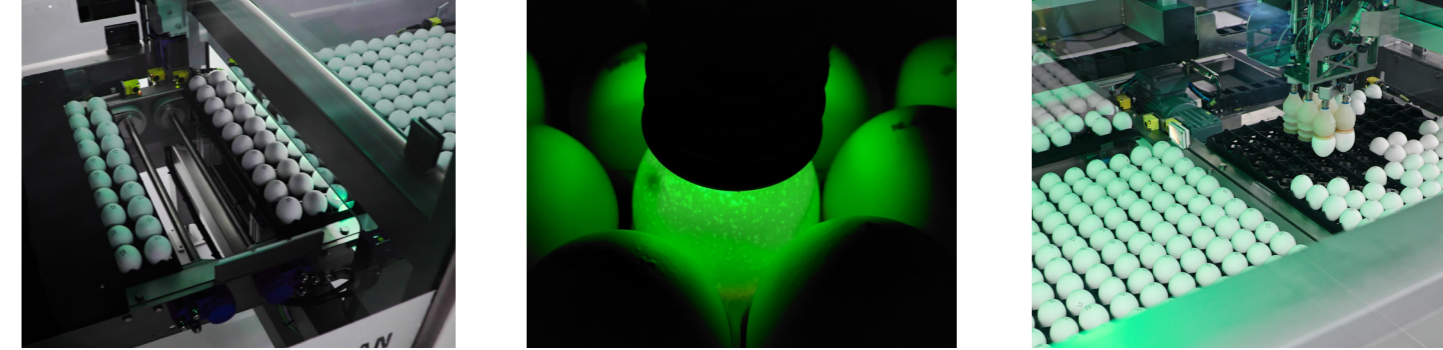
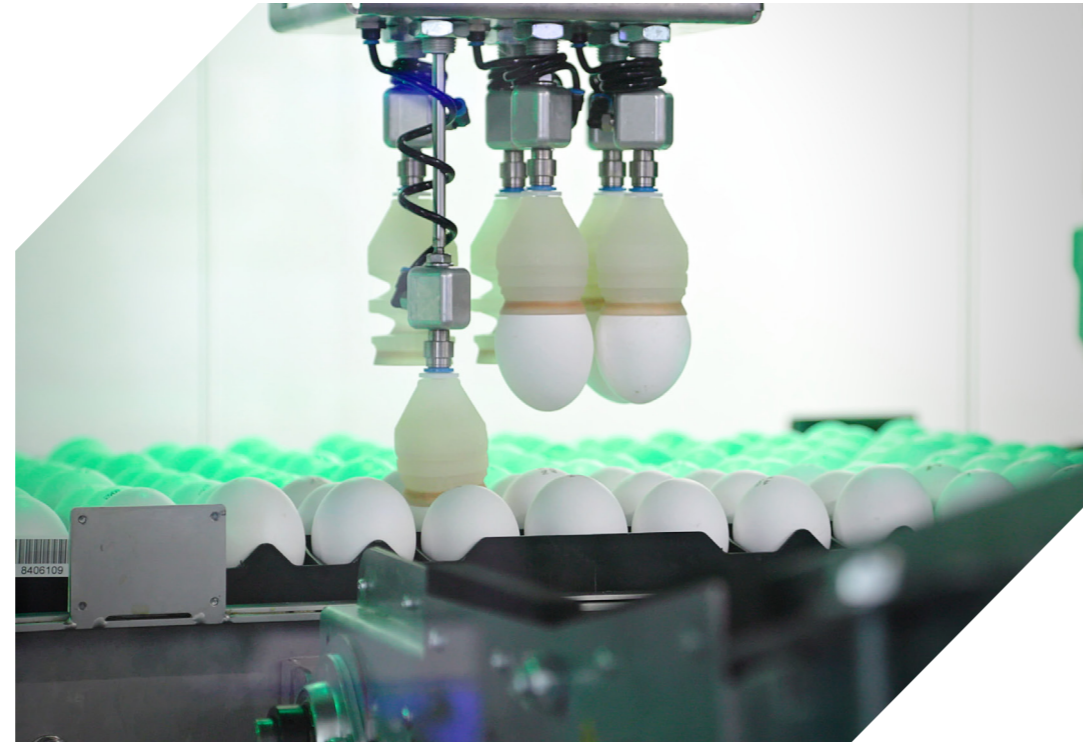
For decades, we have candled on day 18 during transfer.

It was convenient, as the eggs had to be handled anyway. Earlier candling was difficult and time-consuming. But is it really best practice? Do we underestimate the risk of bacterial pressure? Can we optimise hatchability and capacity utilisation?

SetGate Automated & Accurate Candling at Day 9

Early candling offers clear advantages over traditional candling during transfer at day 18, such as reduced bacterial pressure, leading to higher hatchability, and improved utilisation of hatchery capacity, typically around 15%, with even greater opportunities in older flocks.

By day 9, the peak in embryo mortality has already passed, eliminating the need for additional candling later in the process.



Summary

	Total tested eggs	Total correctly classified	Total correctly classified viable & non-viable
DAY 9	9.600	99,92%	Viable: 99,92% Non-Viable: 99,89%
DAY 10	19.199	99,99%	Viable: 99,99% Non-Viable: 100%
DAY 11	28.751	99,99%	Viable: 99,99% Non-Viable: 100%
DAY 12	23.975	100%	Viable: 100% Non-Viable: 100%



- Automated candling from day 9
- Remove infertile eggs and dead embryos
- Refill trays to 100% capacity*
- Independent from incubation solutions**
- Capacity up to 21.100 eggs per hour

* Incubation solutions might not be able to handle 100% capacity.
** Infeed available for HT150, HT88, Pas Refrom 162, James Way 84SST, PeterSime 84

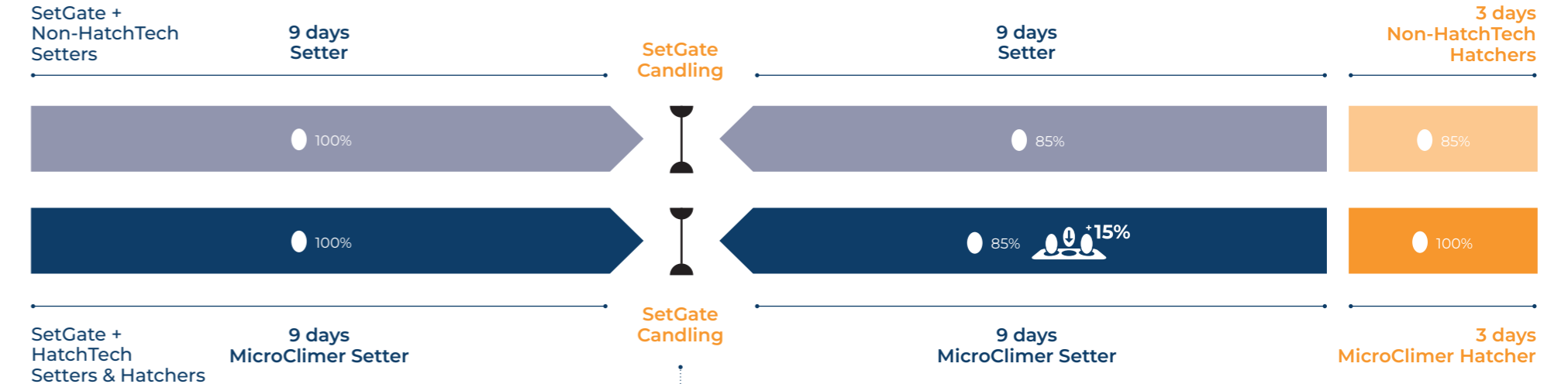
- ▲ Significant reduction in bacterial pressure (no 'bangers' in setter and hatcher)
- ▲ Free up 15% capacity on average (higher for older flocks)
- ▲ Accuracy close to 100%
- ▲ Easy installation in 30 hours

SetGate & HatchTech MicroClimer Setters and Hatchers

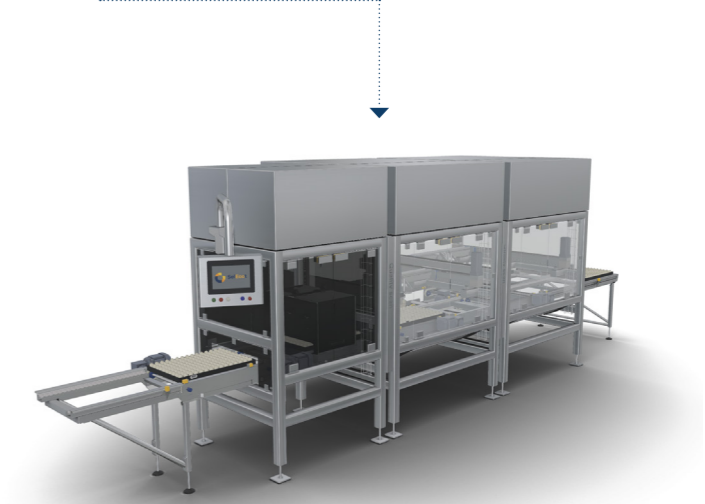
The SetGate automatically fills up the empty spots in trays. The fill rate of complete trays with viable eggs maximises efficiency. Not every incubation system is capable of operating at full, viable capacity.

The setter and hatcher systems from HatchTech are equipped with advanced MicroClimer™ technology, delivering uniform and precise conditions for every embryo, even when filled with complete trays of viable eggs.

The thoughtfully designed setup and standard availability in 19-layer trolleys ensure an optimal use of available land and floor space, resulting in the highest capacity of eggs.



- ▲ Enables optimal, fully controlled 100% capacity utilization
- ▲ Maximizes the use of available incubation space
- ▲ Smart Design with 19h Trolley System: Increases egg capacity per m²
- ▲ Supports consistently higher-quality chick outcomes



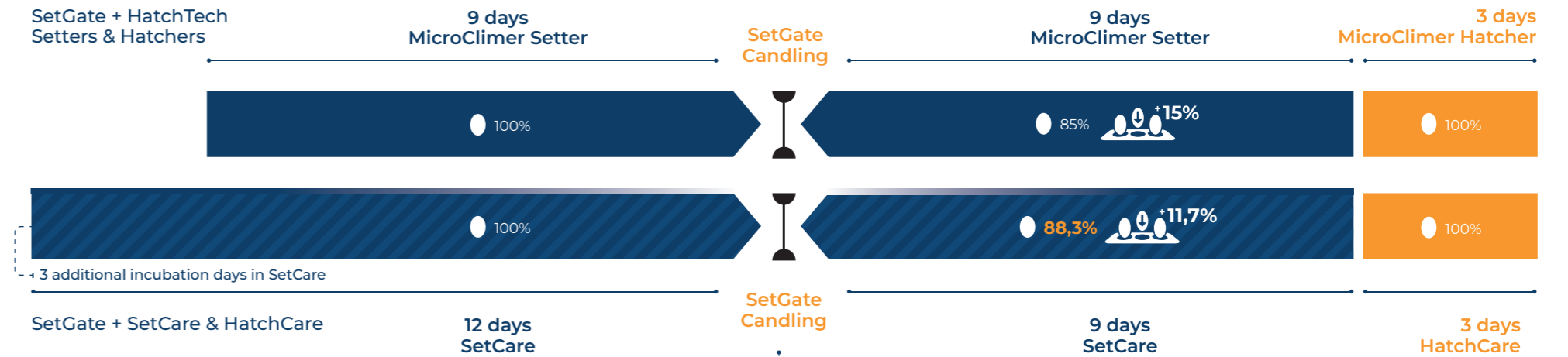
SetGate, SetCare and HatchCare

While the MicroClimer Setter ensures a highly stable and controlled incubation process, SetCare and HatchCare build on the core technologies to optimize even more.

SetCare starts incubation at 85°F, gradual warming and extending the total incubation process to 24 days. This reduces early embryo mortality by 3,3% and results in stronger, more uniform chicks, supporting improved performance throughout the production cycle.

HatchCare sets the standard in chick quality, welfare, and predictable performance, by ensuring immediate access to fresh water and feed, while a controlled lighting environment stimulates natural chick behaviour and activity.

The result, stronger, healthier chicks, that have a reduced need for antibiotics, reduced early mortality and an improved field performance with a 4.8-point improvement in adjusted FCR to a 2,3 kg live weight.



- ▲ Lower embryo and chick mortality
- ▲ More first grade chicks (+3,3%)
- ▲ Highest quality chicks
- ▲ Added value SetCare € 0,027 + HatchCare € 0,065 per D.O.C.



SetCare saves €0,027 per D.O.C.

Hatcheries Less hatching eggs	3,82% less hatching eggs	X	€ 0,25 per egg	=	€ 0,012 added value per D.O.C.
Poultry farms Improved FCR	1,8 point better FCR	X	€ 365 feed price per ton	=	€ 0,015 added value per D.O.C.

HatchCare adds €0,065 per D.O.C.

Poultry farms More high quality chicks	0,85% lower mortality	X	€ 1,18 per kg live weight	=	€ 0,024 added value per D.O.C.
Poultry farms Improved FCR	4,8 point better FCR	X	€ 365 feed price per ton	=	€ 0,041 added value per D.O.C.



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