

XCM

It is time for a Jamesway
Single-Stage Hatchery

JAMESWAY



Why is it time for Single-Stage?

The Jamesway XCM is specifically designed to replace end-of-life Chick Master C576/C540/C109/C102/C99 multi-stage fixed rack incubators by using a matching/similar foot-print and Jamesway's single-stage incubator efficiencies. This upgrade opportunity enables hatcheries to use their existing hatchery buildings with minimal changes to the structure of the facility to help financially justify the replacement.



The best care for your embryos

The XCM features the industry proven benefits of single-stage incubator technology: increased biosecurity, more flexible hatchery management, better hatchability, higher quality chicks, lower mortality, higher feed conversion and yield. Real world hatchery testing has proven the XCM can improve hatchability over the Chick Master multi-stage machines by over 3%.

Load, then start.

Once you've loaded the single-stage machine you can immediately start the incubation process, or decide to program it for a delayed start at the time of your preference.

Improve chick quality

Chicks incubated in an XCM incubator have better developed organs than in multi-stage systems: longer bones, larger heart, bigger gut and smaller yolk sac. They have a lower first 10 day mortality rate as well.

More Eggs Per Cycle

The XCM can process up to 17% more eggs in a hatch cycle than the existing Chick Master multi-stage machines by using a higher density egg pack utilizing 40 columns and 16 tier racks.

Enhance biosecurity

Single-stage machines do not have to be opened during the incubation process until transfer, reducing the risk of contamination. In addition, the machines are emptied every eighteen days allowing for full disinfection whereas multi-stage systems are rarely empty. Field trials show an improved hatchrate of 4%.

Reduce labor cost

With single-stage machines, the racks can be loaded during normal business hours and then stored in the machine with incubation pre-programmed to start at any time, day or night.

Lower Energy Cost

All Jamesway incubators are the most energy efficient single-stage in the market. Variable speed fan technology helps the XCM use approximately 30% less energy than Chick Master multi-stage machines.

XCM - Keep your flats and your buildings

Enjoy the benefits of single-stage without rebuilding your hatchery

Tune your production to market demand. The XCM is a large capacity incubator (105,000 eggs). However, if you do not always need full capacity, you can easily do a partial set. The consistent air flow inside the machine ensures the best possible environment for both full and partial sets.

The racks inside the XCM can easily be removed, making the incubator easy to clean. Each Jamesway incubator rack uses individual turning air actuators to facilitate full turning on every rack, every time. Since they are independent there is minimal risk of a turn failure affecting the entire hatch. Quick-to-connect, robust and reliable. The racks used in the XCM have been adapted to use existing Chick Master egg flats lowering the total cost of the Chick Master-to-XCM conversion costs.

In addition, all parts and components are easily accessible. Any person can be trained to operate the XCM in a matter of hours. The large touchscreen and pictograms simplify the machine's management.

The air intake and exhaust are mounted on the roof of the XCM, ensuring easy connection and enhancing biosecurity. This also improves airflow and allows for better control of CO2 and humidity.

Our XCM machines can also be used for egg storage, pre-heating, delayed incubation starts and short periods of incubation in storage (SPIDES).



Available Options and Accessories

- Cabinet with/without door windows
- Multiple egg flat configurations
- Hatchcom 4 control and monitoring system
- Pilot egg monitoring sensor
- Self Stacking Transport System - SST
- Hatchery disinfectant system
- High temperature back-up alarm
- ECU quick connect.



Love the SUB!

But the most revolutionary part of the XCM design is the **SUB (Sealed Utility Box)**. We have put all the controls and delicate instruments inside a NEMA 4x sealed enclosure, safe from chemicals and water. With quick disconnects and simplicity of wiring the SUB makes for very easy installation, operation and maintenance. We have it equipped with parts that are standardized, certified and easily available.

Dimensions and Capacity

The XCM is designed specifically to match the floor plan of your existing fixed rack multi-stage machine:	
Height	98" (2489 mm)
Depth	256" (6502 mm)
Width	149.5" (3790 mm)
Intake Duct	122 " (3099 mm)
The XCM has a maximum capacity of 105,600 chicken eggs per incubation cycle (20 racks, 16 tier)	

Model	Flats	Columns	Tiers	Trays	Capacity	XCM vs 540 (more eggs per machine*)
Chickmaster 540	54	36	15	540	87,480	+ 9,720
	165	36	15	540	89,100	+ 9,900
						XCM vs 576
Chickmaster 576	54	36	16	1,728	93,312	+ 10,368
	165	36	16	576	95,040	+ 10,560
Jamesway XCM	54	40	16	1,920	103,680	
	165	40	16	640	105,600	
	84	40	16	1,280	107,520	

* **The XCM Advantage:** 19 cycles a year = 313,500 more eggs a years.
It doesn't take long for the investment to pay for itself.

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