Fortica MAX

The premium controller
for advanced farm management

Discover Fortica

The No. 1 poultry automation system

Fortica is a user-friendly poultry automation system that gives you total control over all house processes. It is a smart, all-in-one system that allows you to control and monitor climate, ventilation, feed, water, lighting, animal weighing, and egg flow. With Fortica, you can optimize your farm processes and efficiently manage the daily routine of your chickens.

The Fortica MAX controller and advanced software are suitable for all types of broilers, layers, breeders, and pullets, as well as for all kinds of housing, including cages, group housing, aviaries, cage-free, and free-range systems.

The Fortica system is also linked to an app and innovative Farm Management programs such as iHotraco Farm Manager, providing real-time insight and complete control from your phone.

One system. Total control.

Fortica

Be in total control of all your poultry house processes with one system

Dedicated software per housing type to get the most out of your animals

Enhance farm performance and profitability with real-time data

Next generation 12 inch touch screen and optimized user interface

The Benefits of Fortica

Total control of all poultry house processes

Discover the revolutionary benefits of all-in-one automation for your farm. Reduce costs, save labor, eliminate human errors, and boost profits as you enhance the lives of your animals. Optimize key processes, from feed and water to climate and ventilation. Effortlessly accommodate your animals' changing needs by maintaining ideal growth conditions through 24/7 automatic adjustments. Detect production differences and respond directly to failures. This is crucial in today's world, as genetics advance, animals become more delicate, requiring consistently optimal barn conditions to protect them and maximize their genetic potential.

Discover the benefits of the Fortica Control System

Increased profits

- ✓ Highest results out of your animals' genetic potential
- ✓ Improved animal health and less disease
- ✓ Optimal farm performance, suitable for all poultry houses

Up to 90% less manual work

- ✓ Automate up to 90% of manual tasks
- ✓ Automatic adjustment of temperature, ventilation, humidity and lighting
- ✓ 24/7 control of all farm processes from your phone, tablet or PC

Cost savings

- ✓ Save labor costs
- ✓ Minimal energy usage
- ✓ Less prone to human errors

Farm Process Automation

6 key optimized processes
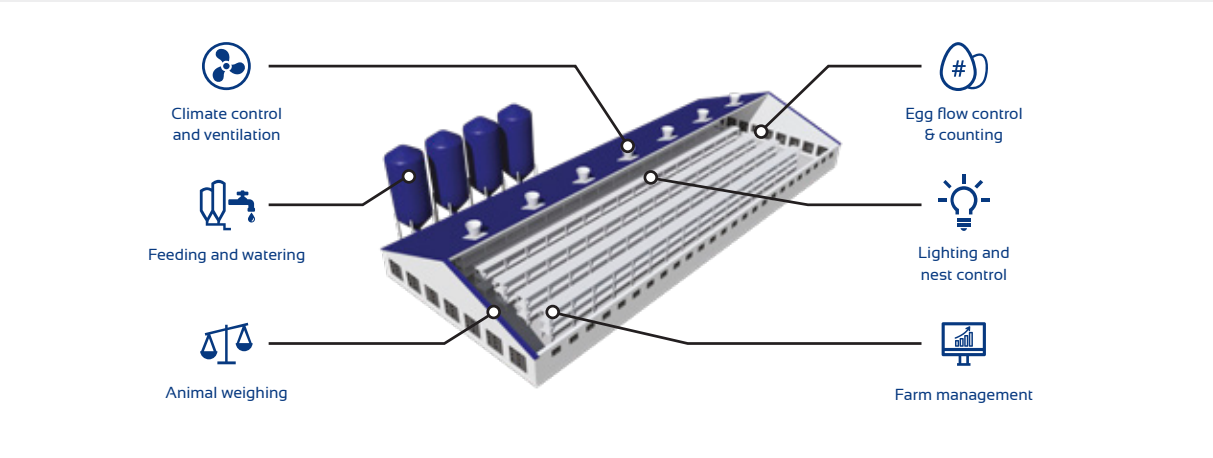
Automatic climate control and ventilation

- Always perfect indoor climate conditions, independent of the outside weather or ventilation type

- Never too late with changing weather, get alarms on your phone

- Temperature control with real-feel indication

Automatic feeding and watering

- Optimize feed and water intake for better animal health

- Monitor feed and water consumption for early disease detection

- Never feed by hand again and always the right feed amount and composition

Automatic lighting and nest control

- Various dimmable light schemes and settings

- Smart lighting regimes to influence animal behavior

- Enhanced animal well-being and better feed intake

Climate control and ventilation

Feeding and watering

Animal weighing

Egg flow control & counting

Lighting and nest control

Farm management

Automatic Egg flow and egg counting

- Stable egg output at barn level and centralized collection

- Save costs, reduce labor, less egg breakage

- Detect production differences with real-time laying percentages

Automatic animal and silo weighing

- Monitor animal weight progression for timely interventions

- Gain valuable insights on animal weight and growth

- Always know the amount of feed in your silos

Automatic farm management

- Monitor living conditions with 24/7 insight into your farm processes

- Analyze real-time data for better decision-making and farm performance

- Compare current flock performance with historical data

Fortica MAX

The premium controller for advanced farm management

1. Easy and customizable

Fortica MAX is designed for ease, bringing all the functions you want, customized for your specific poultry house. As you navigate your farm on the screen, it displays only the most relevant information at that moment. See your operations come alive and manage them effortlessly with the optimized, user-friendly interface.

2. See real-time farm conditions

Through photos of your own farm processes and realtime data, Fortica MAX visualizes the live conditions in your farm. See what's happening 24/7 and react fast on changing conditions in your poultry house. With its next-generation 12-inch touchscreen, and improved processor performance, you're never too late again.

3. Remote control and connectivity

Fortica MAX works on mobile devices running iOS and Android, and it can also sync with PC farm management software. With Fortica, you receive instant notifications and stay in control – no matter where you are, you're always informed and in command. Enjoy the convenience of remote control right from your phone.

4. Trusted software, future-proof hardware

Fortica MAX syncs effortlessly with components and systems across all brands, providing unmatched versatility. Paired with iHotraco, it delivers a complete and secure data set that integrates with any third-party dashboard via REST API technology. Built to last, our future-proof technology helps you monitor, compare, and optimize your farm's performance for years to come.

Fortica MAX Features

For control over all house processes

Parts, functions and features*	PB	PS	PP	PF
Weather station				
Outside temperature	✓	✓	✓	
Wind speed	✓	✓	✓	
Wind direction	✓	✓	✓	
Outside RH	✓	✓	✓	
Management				
House Management	✓	✓	✓	✓
Broiler Flock Chart Module (optional)	O	O	O	O
Climate				
Room temperature sensors	12	12	12	
Room temperature zones - number of zones	5	5	5	
Negative pressure sensors	2	2	2	
RH sensors	2	2	2	
CO2 sensors	2	2	2	
NH3 sensors	2	2	2	
Ventilation				
Basic ventilation	✓	✓	✓	
Natural ventilation	✓	✓	✓	
Tunnel ventilation	✓	✓	✓	
Ventilation proportional/ON-OFF - Number of groups	16	16	16	
Damper related to ventilation	✓	✓	✓	
Energy Saving Mode Module (optional)	O	O	O	
Heat exchanger - number of units	1	1	1	
Three extra Heat exchanger units Module (optional)	O	O	O	
System ventilation via Heat Exchanger, Air mixing unit or Internal Ventilation - number of units			2	2
Dampers on temperature - number of zones	2	2	2	
Ridge flaps on temperature - number of zones	3	3	3	
Air inlet flaps				
Inlet units on Negative pressure or Synchronous - number of zones	3	3	3	
Inlet units via proportional and/or ON-OFF - number of items	8	8	8	
Inlet basic on Temperature, Negative pressure or Synchronous - number of zones	6	6	6	
Inlet basic with Cascade control - Number of cascade flaps	3	3	3	
Inlet basic with Winter flap control - number of winter flaps	2	2	2	
Inlet natural on temperature - number of zones	6	6	6	
Inlet tunnel on Negative pressure, Synchronous or 6x ON-OFF on Ventilation level	✓	✓	✓	
Intelt tunnel with Cascade control - Number of cascade flaps	3	3	3	
Winter gardens on temperature (Left and Right)	✓	✓	✓	
Heating				
Heating via Prop Intergrated, Propotional or ON-OFF - Number of controls	4	4	4	
Heating - number of zones per control	4	4	4	
Cooling				
Cooling via ON-OFF or Pulse/pause - Number of controls	2	2	2	
Cooling - number of zones per control	4	4	4	
Mixing ventilation				
Mixing ventilation via Proportional or ON-OFF - Number of controls	3	3	3	
Humidifier				
Humidifier via ON-OFF or Pulse/Pause	✓	✓	✓	

Parts, functions and features*	PB	PS	PP	PF
Universal control				
Universal control via Proportional or ON-OFF - Number of controls	8	8	8	
Feed				
Pulse counter	✓	✓	✓	✓
Pulse counter - Number of supply silos	1	1	1	1
Feed weigher	✓	✓	✓	✓
Feed weigher - Number of supply silos	9	9	9	9
Silo weighing	✓	✓	✓	✓
Silo weighing - Number of supply silos	9	9	9	9
Feeding computer	✓	✓	✓	✓
Day silo	✓	✓	✓	✓
Day silo - Number of supply silos	1	1	1	1
2nd Composition - time based	✓		✓	✓
Cross auger - Number of augers	4	4	4	4
Feed chains control	✓	✓	✓	✓
Feed pans control	✓	✓	✓	✓
Feeding control with Multiple groups - Number of groups		6	6	6
Spin feeders	✓		✓	✓
Feeding with Hoppers (Male, Female and/or Spin feeder) - Number of hoppers			32	32
Water				
Water counters - number of counters	8	8	8	8
Water control	✓	✓	✓	✓
Eggs				
Egg counting		✓	✓	✓
Egg Collection Module (optional)		O	O	O
Lighting				
Main lighting via Dimmable or ON/OFF	✓	✓	✓	✓
Dim after laying		✓	✓	✓
Day light control	✓	✓	✓	✓
Light timers via Dimmable or ON/OFF - Number of timers	1	9	9	9
Timers				
Timers - Number of timers	10	10	10	10
Pop holes house		✓	✓	✓
Pop holes winter garden		✓	✓	✓
Nest controls - number of controls		2	2	2
Animal weighing				
Animal weighing - number of scales	8	8	8	8
Alarms				
Alarm inputs - number of inputs	16	16	16	16
Registration				
Registration - number of items	20	20	20	
Heat Rise (Fire alert)				
Heat Rise - number of sensors	48	48	48	
Connectivity				
PC Module (optional)	O	O	O	O
App Module (optional)	O	O	O	O
Notification Module (optional)	O	O	O	O

Fortica-MAX-PB
The Fortica-PB has been specially developed for poultry houses with broilers, turkeys or ducks in a floor housing system or cage housing.

Fortica-MAX-PS
The Fortica-PS has been specially developed for poultry houses with laying hens or rearing hens in free-range, cage-free or aviary keeping.

Fortica-MAX-PP
The Fortica-PP has been specially developed for poultry houses with breeders and rear breeders. This software offers advanced house management capabilities, enabling tracking for both male and female poultry.

Fortica-MAX-PF
The Fortica-PF has been specially developed for poultry houses where only feeding control is required. The software can be used in every type of poultry house with broilers, layers or breeders.

✓ = Standard available   O = Optional via extra module   * Features apply from Fortica MAX version 3.1.0

Hotraco Agri
Part of Hotraco Group

Hotraco Agri

As a global leader in innovative control technology, Hotraco Agri develops, manufactures and supplies top-quality automation systems for the livestock sector. Our mission is to enhance poultry farmers' business performance through automation solutions that prioritize animal welfare and maximize yields.

Global network, local expertise

Based in the Netherlands, the Hotraco Development Center is situated within the world's smartest region – the Eindhoven, Leuven and Aachen circle. Our global presence is maintained through sales offices, dealers and installers, ensuring worldwide support.

Part of Hotraco Group

Hotraco Group comprises inventive, tech-focused companies specializing in system development and integration. Operating internationally with over 235 employees worldwide, our companies strive to optimize living, working, storing, growing conditions for people, animals and crops. Combining cross-sector knowledge and problem-solving abilities, we always seek and deliver the best possible solutions.

Hotraco Agri
the system creators

Hotraco Group
the system creators

Hotraco Agri
the system creators
LIVESTOCK

Mooij Agro
the system creators
CROP STORAGE

Hotraco Horti
the system creators
HORTICULTURE

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