



Autumn 2020

HYTEM NEWS

HYTEM Exhibition Center

Hytem set up HYTEM Exhibition Center in 2008 when it's new headquarters started, to offer references targeting the best planning for the competitive egg farms, under the recent difficult circumstances to access egg farms due to the diseases control. The most of the equipment can be checked in details through actual operations.

In this autumn, HYTEM Exhibition Center has been renovated, points of which are as follows.

We believe, the quality and the size of HYTEM Exhibition Center, as EFA(Egg Farm Automation) exhibition center, are the top in the industry.

1. **HYTEM Belt Battery** has been replaced with the most recent model with the latest Egg Collector, GC series (Gentle and Clean). Rearing Battery and Layer Breeder Battery have been also replaced.

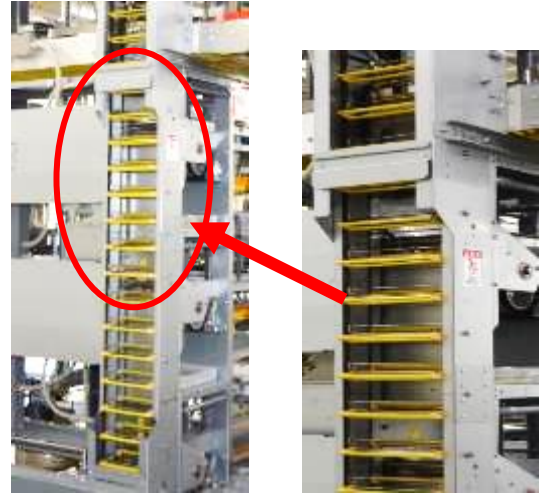


304 Stainless Feed troughs, optional specification for Southeast Asia.



The great feature of HYTEM Egg Collector is the ultimate zero crack by Air-cushion Gentle bar and Feather touch bar.

By GC series, cleaning of Gentle bar has become easier. The open area is provided at the lower part of Elevator for the easier and complete cleaning of Gentle bar.

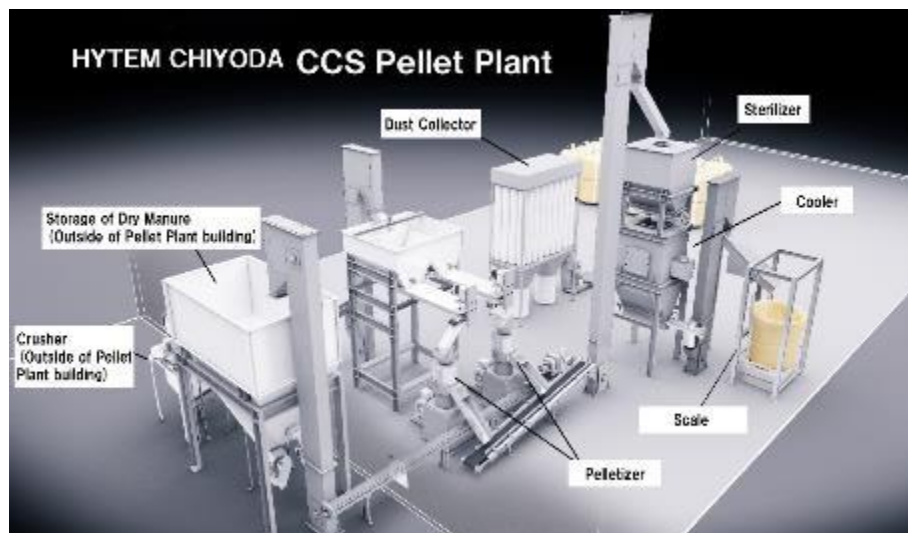


2. Manure Drying system by exhaust air, HYTEM Plate Dryer, installations of which are steadily increasing in Japan, and now in China as well. As the size of egg farms becomes bigger, the approach to utilize manure by HYTEM Plate Dryer is becoming important.



By HYTEM Plate Dryer, water content of manure is becoming around 20%.

The basic design of Compact, Clean, Labor Saving pellet plant has been completed as HYTEM-CHIYODA CCS Pellet Plant in Hytem's Co-lab project with Chiyoda Machinery, Pelletizer manufacturing company.



Dry Manure Pellet (without composting) is being marketed under Soilborn brand (registered trade mark at the most of Asian countries) to support farms who are going to invest Plate Dryer and CCS Pellet plant.



SUSTAINABLE DEVELOPMENT GOALS High Quality 100% Organic Fertilizer Soil Revitalizer

Next-generation, all-purpose pellet fertilizer using innovative technology to dry and sterilize fresh poultry manure Gentle to soil, crops, and the environment

Soilborn

Advantages

- Soilborn is all-round fertilizer efficient for all your plants. And, it will give soil vitality, loosening soil, stimulating biological activity, promoting better soil aeration and water retention.
- Sterilized! Safe and Nontoxic. Pellet is easy to sow, no risk to burn plant roots, and release nutrients slowly.
- Fertilizing Standards for 10 ares

Vegetables 10-12 bags	Paddy rice 5-7 bags
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Indication by Fertilizer Registration

Registered Number	000000
Type of Fertilizer	Processed Manure
Name of Fertilizer	Soilborn
Ingredients (Guaranteed)	
Nitrogen	4.5%
Phosphorus	2.5%
Potassium	2.5%
Net Weight	15kg
Class Product	
Description of details of this indication	
Name & Address of Producer	000000

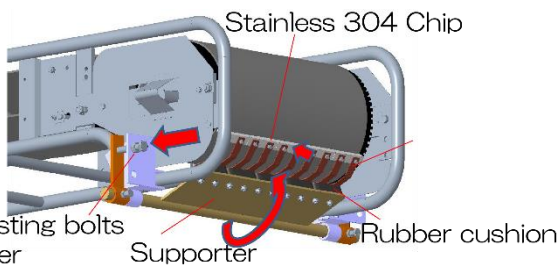
NET 15kg Bar Code

3. 304 Stainless Frame Conveyor exclusively for layer manure with several features.



Chip scraper for the cleaner scraping

Nylon "Carrier" Roller to minimize manure sticking.



Nylon separated "Return" Roller to minimize manure sticking.

Anti-manure scattering kit at Transferring point



4. Remote viewing of the actual egg farm operations.



5. Remote viewing of HYTEM Farm Computer system at an actual egg farm.

HYTEM Farm Manager, the real time data monitoring system.

	Bird numbers	Age	Temperature [°C]					Feed [g/bird]	Water [cc/bird]	Eggs [psc]	Lighting
			Front	Middle	Rear	Max.	Min.				
House 1	29716	278	21.1	20.9	21.0	21.7	19.9	105	155	29176	ON
House 2	29462	320	21.5	21.8	21.5	22.0	20.2	102	178	28533	ON
House 3	29185	365	20.6	20.8	20.8	21.4	19.2	105	190	27927	ON
House 4	28886	412	20.5	20.8	20.9	22.1	20.0	103	179	27368	ON
House 5	28864	455	21.2	21.5	22.0	22.0	19.8	110	165	26782	ON
House 6	28573	502	21.5	21.5	21.7	22.2	19.6	107	175	25933	ON
House 7	27997	516	20.3	20.5	20.5	21.5	19.2	112	182	24681	ON
House 8	30120	143	20.8	21.0	20.8	21.8	18.9	99	138	18853	ON
House 9	30012	190	21.0	21.2	21.0	21.9	19.0	103	164	20274	ON
House 10	29981	233	20.8	20.9	21.0	21.9	19.5	101	159	23851	ON
Outside temperature			17.6			18.4	2.5				

HYTEM Egg Flow Control system

Poultry house status | Egg collection plan | Abnormal monitor | History of egg collection | History of operation | Setting | End proceeding

No	Status	Group name	Cluster name	Egg collection speed(pcs/h)	The amount of collected eggs	H/D number of eggs	Finish condition	Bar conveyor A	Bar conveyor B	Bar conveyor C
1	In process	[1] Type A	R3,R4	75000	38328	180000	Belt amount 102% [No.4]	Used		
2	Execution reservation	[3] Type B	R1,R2	75000		178000	Belt amount 102% [No.2]	Used		
3	Execution reservation	[5] Type SS	R5			5000	Belt amount 100% [No.5]		Used	
4	Execution reservation	[4] Type D	R6	48000		80000	Belt amount 100% [No.6]		Used	
5	Execution reservation	[2] Type C	R7,R8	79000		142000	Belt amount 102% [No.8]		Used	
6	Execution reservation	[7] Type E	R9,R10,R11,R12	70000		255000	Belt amount 102% [No.12]			Used

For conveyor: A | Bar conveyor E | Bar conveyor C

Bar conveyor status: Overlock Stop for the life conveyor by a group on force Yes

Bar conveyor A

Bar conveyor B

Bar conveyor C

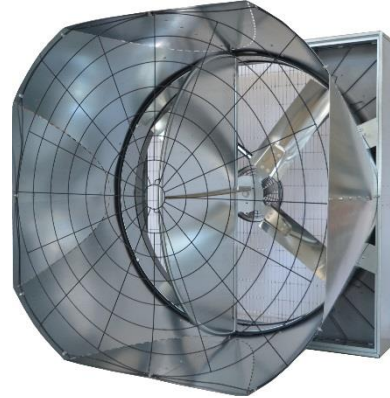
Item

Overlapping egg collecting...	7.010000%
Short run egg collecting...	7.020000%
Flowline speed	20.880000%
Flowline speed	30.880000%
Overlapping time	0.028200
Overlapping time	0.039800
Packer stoppage time	0.008410
Access in or stoppage time	0.008410
The amount of collected eggs	38328.00
Packer status	Finished
Access status	Finished
Overlapping status	Overlapping
Number of stops	0.00



6. The most recent hard wares for HYTEM Ventilation

TV Shutter for HYTEM Tunnel Ventilation 55 inches Cone Fan with Butterfly shutter, electrical saving performance of which is the best in the industry (Corroborated product with Gigola/Italy)



Hytem is confident that visiting HYTEM Exhibition Center is really worthwhile to plan the best egg farm to maximize the investment return.

