Summer 2021
HYTEM NEWS

HYTEM Installation Visit
Iwamura Hatchery　Niigata Area

History

Iwamura Hatchery started in 1921 as a layer breeder and a hatchery.　Mr.C. Iwamura is fouth generation.
Iwamura Hatchery has currently 5 breeder farms, four in Niigata and one in Hokkaido (0.3 million breeders capacity in total), supplying 25 million chick throughout Japan.
Besides the hatchery operation, Iwamura has vaccine egg operations by 2 farms, supplying yearly 60 million vaccine eggs for human influenza vaccine to 2 pharmaceutical companies.
Recent 3 breeder farms and 1 vaccine egg farm are by HYTEM.

Recent Investment

3 vaccine egg houses invested one in 2014 and two in 2020, cage specifications per house of which are HYTEM breeder cage system, 6 tiers, 8 rows, 57.6m (12sections of 4.8m wide breeder cage), 60,000 birds capacity(100 hens and 10 males in one section) .

HYTEM Breeder cage

HYTEM Elevator

Outside of one house

Interview

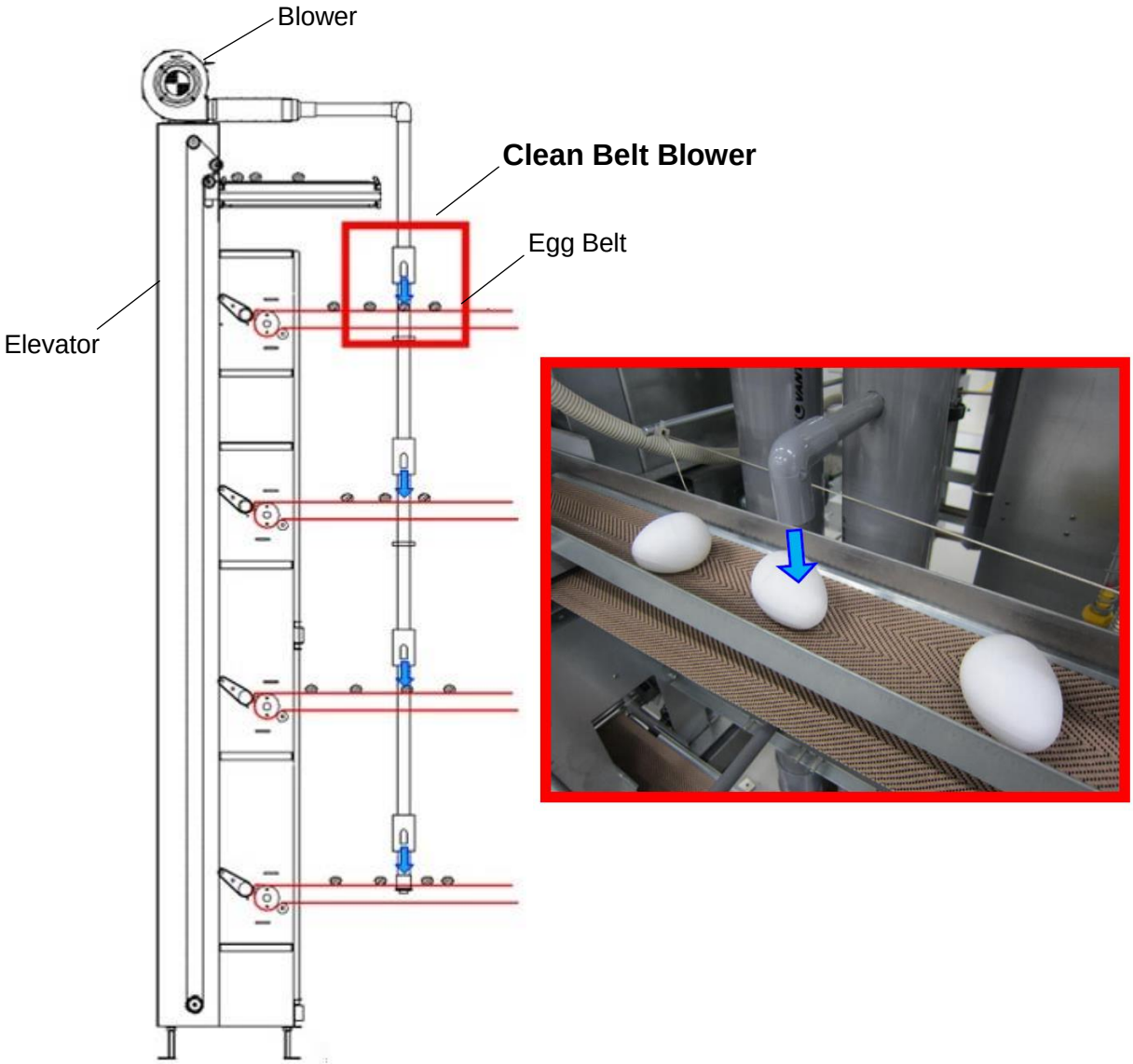
Mr. C.Iwamura, CEO(front row, left) and his staffs

Interviewer Y.Imamura
Area Manager

Q: How are you evaluating HYTEM 3 houses recently invested?

A: We can comments following 4 points.

1. This time 3 houses are 8 rows, doubling 4 rows by previous houses.
   We are finding no performances difference, and basically the same inside house air quality.
2. Cleaning work of Egg collectors is less and they are kept cleaner by Clean Egg Blower.



3. Manure collectors are working more stably than the previous model (Model before 2009), with less meandering travel.
   And water drainage of manure belts is far better when the equipment washed.
   Note: The comparison table of Manure collector between the current and the previous model is shown at the last part of this NEWS.
4. The system to close the opening of Manure conveyor is installed.
   We are expecting rats and AI free operation.
   Note: To this installation, the previous type of Manure conveyor Shutter is installed.

Q: Could you comments the difference of HYTEM compared to other equipment you are using ?

A: Hytem equipment is working more stably than others.
Also, we can evaluate Hytem company solid attitude for the improvement and the after sales services.

Thank you very much for your interview.

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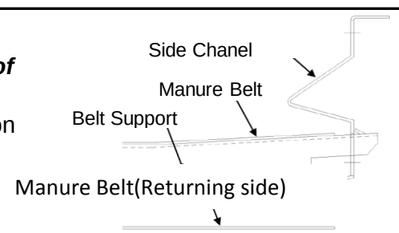
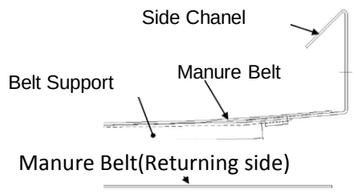
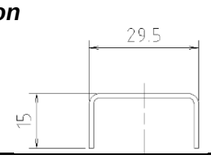
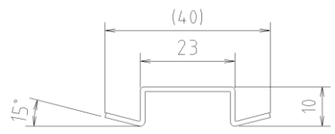
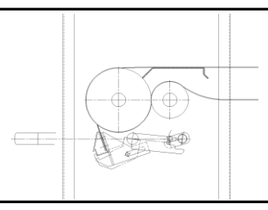
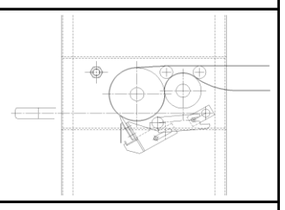
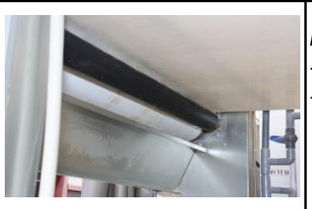
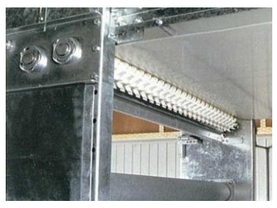
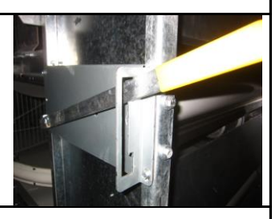
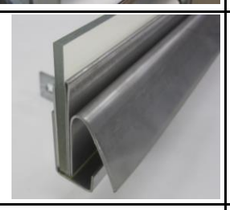
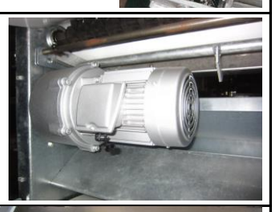
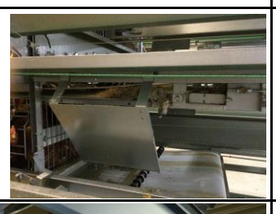
Comparison Table of Manure Collector

MANURE COLLECTION SYSTEM COMPARRISON

2021.07
Tsubai

Item		HYTEM Point	Model before 2009 Point
Frame	*Side Chanel*	***Preventing manure accumulation at inside of Side Chanel*** -Design realizing the least manure accumulation -Better drainage when water cleaned 	***Manure accumulation at inside of Side Chanel*** -Manure accumulation accelerating rust -Causing snaky running of Manure Belt -Poor drainage when water cleaned 
	Belt Support	***Strengthened design, Less caught by Manure Belt connection*** -Belt Support has been strengthened well to be able to stand weight of manure and friction of belt running -Belt Support design not to be caught by a connection of Manure Belt 	***Hat design*** ***-Belt Support has tendency to be caught*** by the connection of Manure Belt when tilted by Manure Belt's running 
Manure Collector	*Drive Roller*	***ϕ 140mm Drive Roller with Rubber Lining*** -Less slipping	***ϕ 120mm*** Drive Roller with Rubber Lining
	Anti Belt jamming Device	***Plate Device*** -Simple & effective 	***Double rollers Device*** -Complicated & not so effective 
	Pinch Roller	***Full-width Pinch Roller with Rubber Lining*** -Least slipping of Manure Belt -Realizing 360 degrees Auto Stop keeping the cleaner manure belt side as Cage Ceiling -Adjustable pressure of Full-width Pinch Roller 	***Plastic segment Roller*** -Tend to slip -As option, Full-width Pinch Roller with Rubber Lining available, but Adjustable Pressure not available 
	Scraper	***Single Blade, 3 positions Locking System*** ***Patented*** -Blade material is 304 Stainless, better rustproof -Single Blade: Easy to clean -Realizing uniform Blade pressure by Adjustment Position of 3 Position Rocking System 	Double Blade, ***2 positions*** Locking System -Blade material is 430 Stainless, less rustproof -Double Blade: More time required for cleaning -Exact Blade pressure adjustment is difficult without Adjustment Position 
	Tough Soft Scraper (Optional Spec)	The load of Scraper to Manure belt will become less -The maintenance of Scraper & Belt will become easier 	Not available
	Driving system	***Maintenance friendly simple and open structure*** -Roller replacement has become easier 	***Complicated structure*** difficult for maintenance -More time required to replace Roller 
	Geared Motor	***Sitting type*** -Easy to install 	Flange type -Taking time to install 
	Frame	***Structure to minimize damage of Belt edges*** -Minimizing hitting between Manure Belt's edges and Manure collector -Manure Collector's inside dimension is ***67mm wider*** than Manure Belt width 	More possibility of hitting between Manure Belt's edges and Manure collector -Manure Collector's inside dimension is only ***28mm wider*** than Manure Belt width 
	Foot structure	***No obstacle against Manure Belt*** -To minimize Manure belt troubles at the bottom tier, obstacles are removed 	A horizontal frame in a picture is an obstacle to Manure belt, which is causing -Manure belt jamming at the bottom tier 
	End Roller	***Roller by ZAM(Aluminum Magnesium Zinc rust protection)*** -Outstanding rust protection against Electrical plating 	Roller by ***Electrical plating*** -Earlier damage by rusting 
	Dust Chute at front end of Manure Belt	***Wide chute*** -Realizing dust's smooth sliding down to the lower tier 	***Narrow chute*** -Dust tend to be accumulated, which will become cause of Manure Belt trouble 
	Tension unit of End Roller	***304 Stainless steel with better rustproof capability*** 	***Electrical plating*** , easily rusted 
	Summary	***Highest level of Trouble Free and Cleanliness in the industry !!*** -12 points upgraded against Salmet