



Big Dutchman®



COLONY 2+

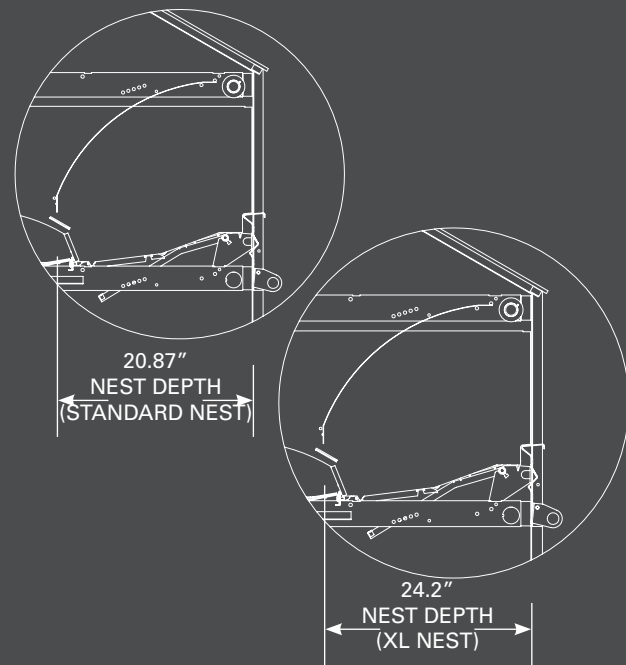
Group laying nest system for optimum egg quality

The COLONY NEST with tilting nest floor and central egg belt provides optimal egg quality.

This nest is an innovative design for an automatic group-laying nest for broiler breeders, layer breeders and layers. Special characteristics of this automatic nest are its central egg belt and the patented divided tilting nest floor.

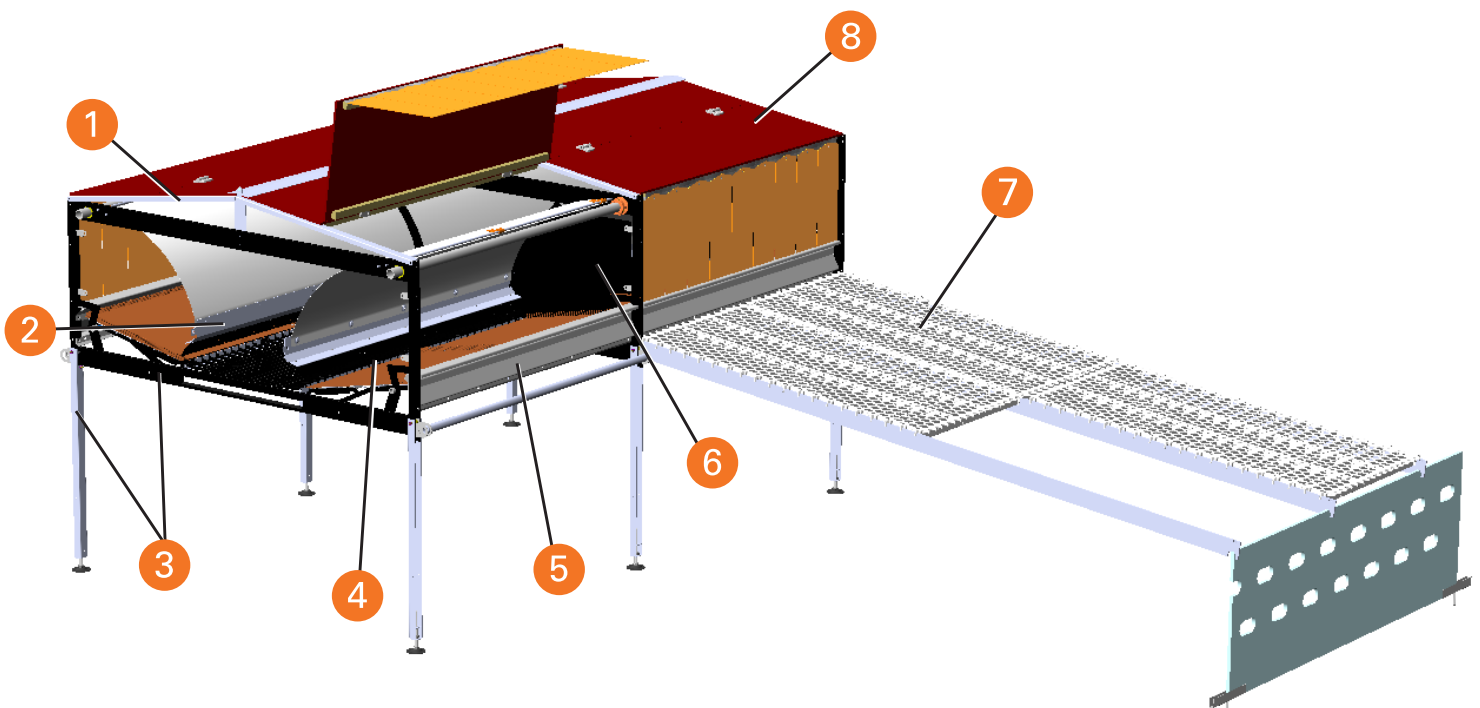
As the nest closes at night, any eggs in the nest gently roll off onto the egg belt, and the nests are closed to prevent hens from trying to sleep in the nest. As the nest closes, any dust and other material that gathered will drop off the nest pad, allowing the nest to remain clean.

Made with waterproof film-coated wooden panels, galvanized sheet metal profiles, and stainless steel posts, the nest provides a very hygienic solution, and is a extremely rugged system that will last through many flocks.

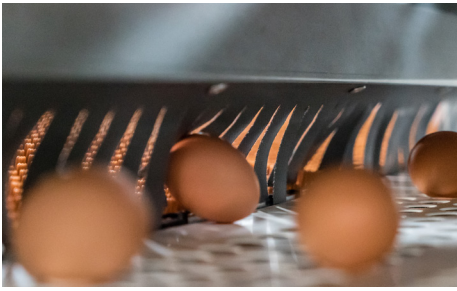


SYSTEM COMPONENTS

- 1 Roof designed with full length open ridge ventilation
- 2 Removable canopy with specially designed dust diverter
- 3 Sturdy welded and powder coated frames with stainless legs
- 4 Divided tilting floor with Big Dutchman nest pad inserts
- 5 Smooth galvanized bird friendly step rail
- 6 Plastic divider with partition mid-way in full length nest (XL version only)
- 7 Strong (virgin) plastic slats and heavy galvanized bars
- 8 Laminated wood roof with hinged doors for easy access



SYSTEM FEATURES AND DESIGN



The colony nest system is designed with the egg in mind. The egg has a safe and gentle rollout onto the egg belt from the nest.



With an extra wide egg belt, the eggs rollout safely onto the belt and are transported to the collection area.



Flat top design offers additional floor space for your flock. Heavy duty construction will hold up to the weight of your flock.



Feed bins are stationed outside the barn to store the feed and keep it fresh until it's needed.



Feed is transported from the feed bins to the feed hoppers inside the barn, and distributed with the CHAMPION® chain feeding system.



The CHAMPION® chain feeder delivers a fresh and even supply of feed throughout the whole house automatically.



Watering nipples along a house-long line provide fresh water, while drip cups catch excess to help keep the environment clean.



Specially designed perches and perch placement provides the flock plenty of space to roost and relax, resulting in a calm and healthy hen.



Each nest row is equipped with a gear motor and winch drive unit—positioned at the center or start of the row, depending on length—for reliable operation.



The system promotes bird movement for more even manure drying.



Flexible configurations are offered, including single or double tier, and a flat top design for added floor space.



An additional approach is provided between nest tiers with two tier systems

ADDITIONAL FEATURES



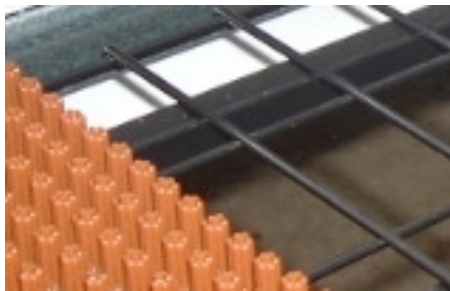
EggTrax egg belt drive provides a gentle and controlled transfer of eggs.



EggSort collection table allows for dependable and easy egg hand gathering.



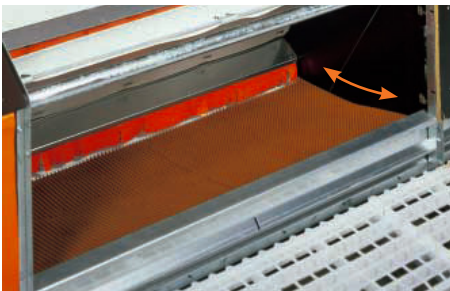
INTEGRA plastic slats allow for a resting area with perch separate from the slat area for healthy foot pads and increased welfare.



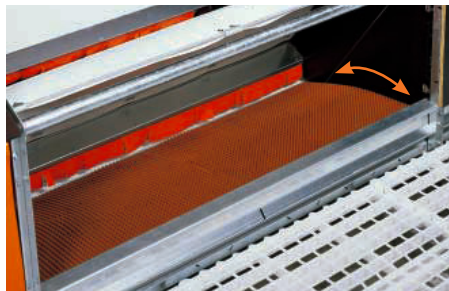
The solid nest mat prevents air updraft into the nest, maximizing hen comfort, resulting in optimum nest acceptance.

PATENTED TILTING NEST FLOOR

Operation of the tilting nest floor (patent-no. EP 1 086 623 A2)



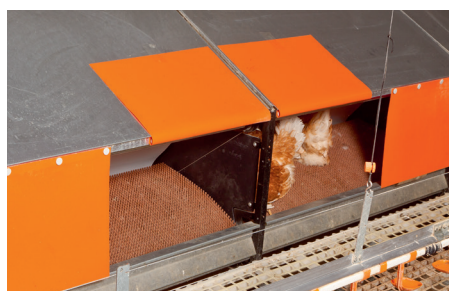
The egg belt is located in the center, allowing the eggs to be laid directly in front of the belt. This design ensures the shortest possible roll-off distance for the eggs, **minimizing the amount of cracked and checked eggs.**



Before the divided nest floor completely closes, it is first raised in the center slightly, which **provides a gentle egg roll off onto the center egg belt.**



The nest floor is raised completely, allowing any dirt to drop off the nest insert, and closes off the nest to **prevent hens from entering and brooding inside.**



MANURE PIT WITH PLASTIC SLATS FOR BETTER CONTROL OF HYGIENE IN THE HOUSE

To improve hygiene inside the house, part of the house is used as a manure pit and equipped with slats. With both drinker and feed lines located above the manure pit, this is also the area where most of the droppings are deposited. The manure is stored in the manure pit for the entire laying phase. After the flock cycle,

the manure pit is dismantled and the manure removed from the house.

The Big Dutchman plastic slat is an ideal choice for laying hens. It has the following advantages:

- Excellent hygiene due to the smooth surface
- Secure foothold for the hens
- Good manure penetration so the

slats stay clean for the entire flock cycle

- No contact surface between the slats, i.e. no hotbeds for mites and other pests
- Lack of sharp edges or corners, reducing the risk of injury
- Flooring that is easy to install and to dismantle after the flock
- High durability, long service life



Plastic slat covering the manure pit



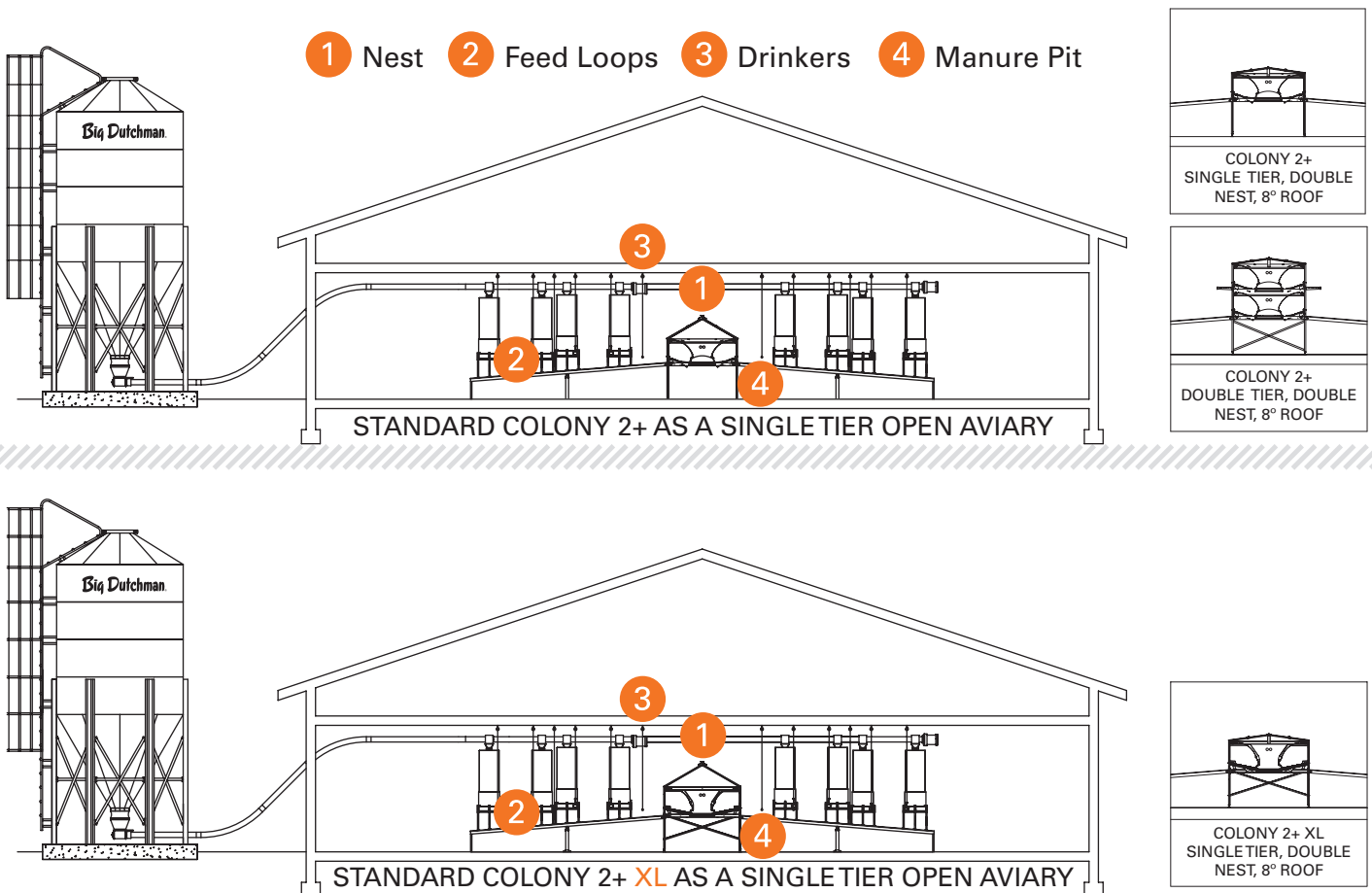
Manure pit



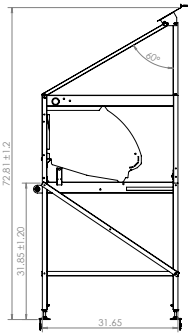
Longitudinal supports for wide manure pits

SYSTEM CONFIGURATIONS

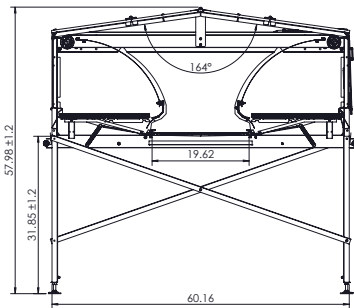
Common layout configurations are simple single and double tier designs. Custom configurations are available to meet most any need.



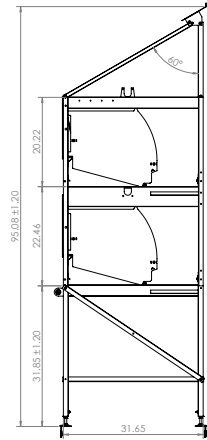
NEST CROSS SECTIONS AND DIMENSIONS



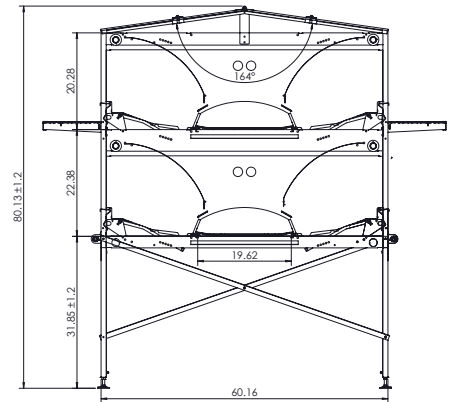
Single-tier wall nest



Single-tier standard double nest

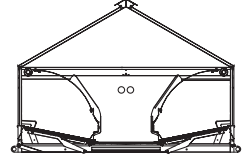
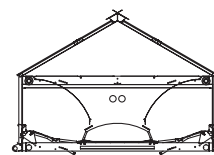
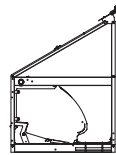


Two-tier wall nest



Two-tier standard double nest

TECHNICAL DATA AND PLANNING INSTRUCTIONS



NEST	SINGLE WALL		STANDARD		XL
Total length - inch (m)	94.88 (2.41)		94.88 (2.41)		94.88 (2.41)
Total width - inch (m)	31.5 (0.80)		60.24 (1.53)		65.75 (1.67)
Total height 1-tier - inch (m)	72.83 (1.85)		71.65 (1.82)		76.50 (1.94)
Total height 2-tiers - inch (m)	94.49 (2.40)		92.93 (2.36)		-
Nest length/compartment - inch (m) *	47.24 (1.20)		47.24 (1.20)		47.24 (1.20)
Depth of nest insert - inch (cm)	18.43 (46.8)		18.43 (46.8)		20.94 (53.20)
Nest depth in bird area - inch (cm) *	20.87 (53.0)		20.87 (53.0)		24.01 (61.0)
Width of egg belt - inch (mm)	9.65 (245)		19.68 (500)		19.68 (500)
Bird numbers layers/layer breeders per full section	1 tier	2 tiers	1 tier	2 tiers	1 Tier
100 birds / 9 ft ²	152	304	304	608	348
Bird numbers broiler breeders					
Light breeds	120	-	240	-	-
Heavy breeds	110	-	220	-	-

* Basis of design of bird numbers per nest



Big Dutchman

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Technical details are subject to change. 09/2025