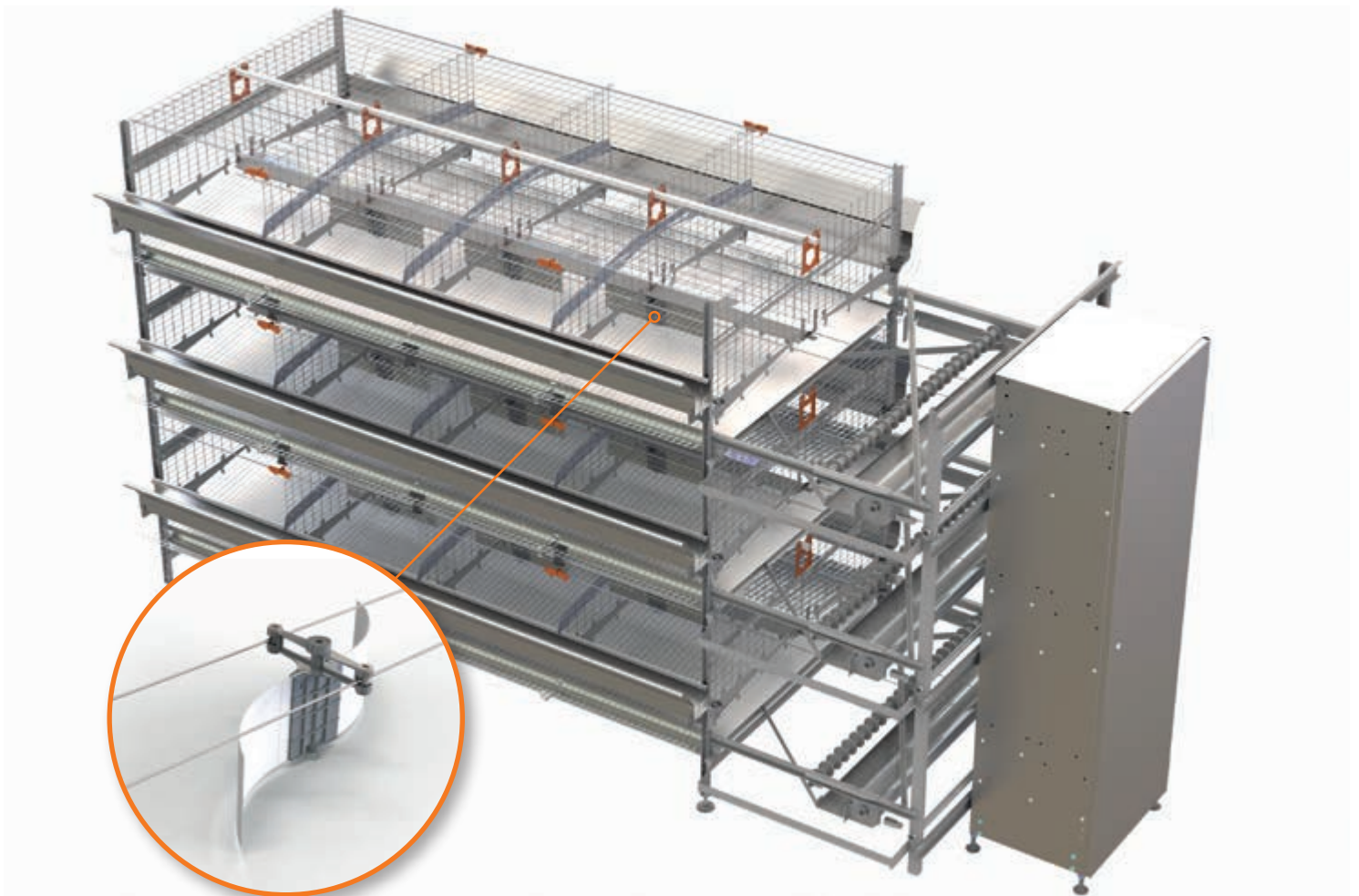




Big Dutchman®



AirPaddle

The energy-saving manure drying system
for laying hens kept in cages

AirPaddle

Energy-efficient manure drying, low ammonia emissions

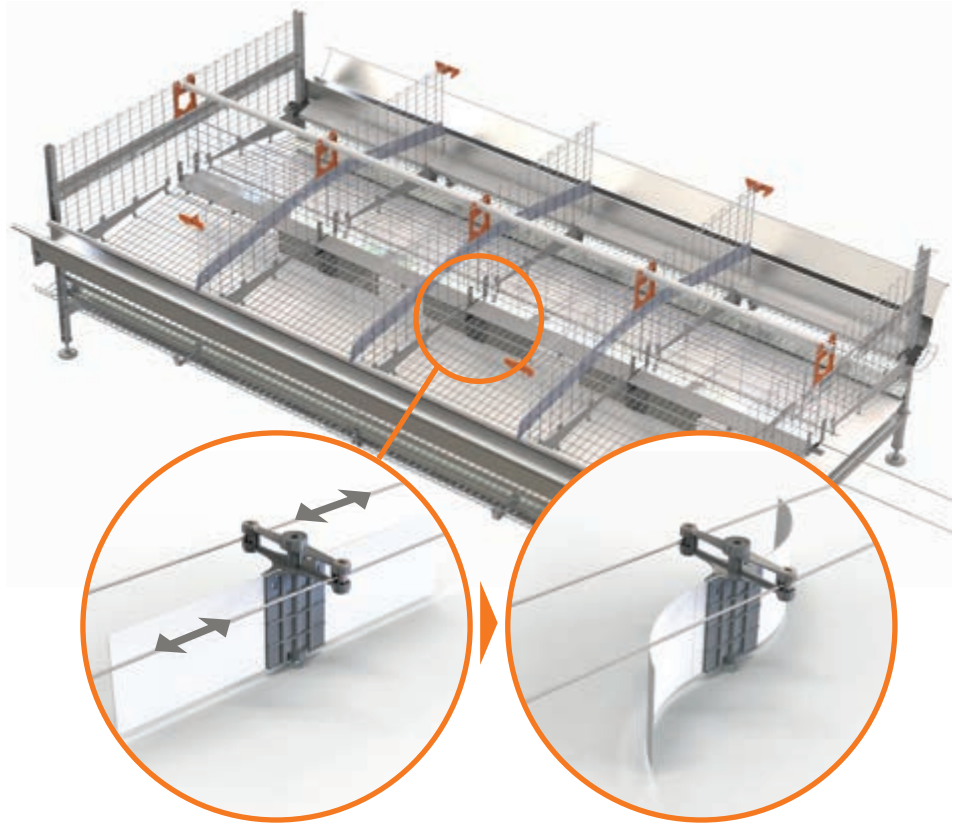
AirPaddle is a manure drying system newly developed by Big Dutchman for our well-proven UniVent manure belt system for layers.

AirPaddle is installed beneath the bird area, directly above the manure belt. It can be easily accessed at any time and is a simple, but very

effective, manure drying system. Our experts will be happy to provide you with more details about this concept.

How AirPaddle works

Our new paddle system creates the air movement necessary for manure drying in a very energy-efficient manner. Two traction cables rotate paddles made from flexible plastic strips. The paddles oscillate 1.5 times per second. This movement combined with the plastic strip's flexibility create a constant airflow across the entire width of the manure belt. The air is drawn in laterally from the aisle and the trough area. The manure thus dries perfectly over the entire surface of the manure belt.



Important advantages

- ✓ fully mechanical system that works without needing any type of fan so is very energy-saving;
- ✓ significant reduction of ammonia emissions to the environment;
- ✓ efficient use of warm air already inside the house for manure drying;
- ✓ no space lost at bird level because AirPaddle is installed below the lower wire grilles;
- ✓ easy and thorough cleaning after each batch;
- ✓ low system weight for even greater energy savings;
- ✓ paddles made mostly from plastic: no corrosion, long service life;
- ✓ simple maintenance: individual parts are easy to replace, if necessary;
- ✓ cost-efficient system.



Big Dutchman

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