

NEW!



Big Dutchman®



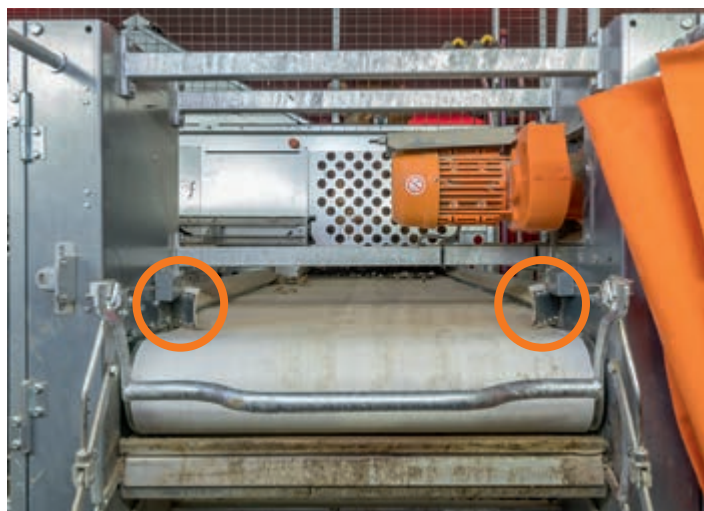
AMBA

Automatic Manure Belt Adjustment
– straight running of the belts during manure removal –

AMBA – secure and autonomous manure removal with belts

Using manure belts in poultry houses reduces ammonia emissions and thus contributes to an improved climate in the house and to the birds' health. Intervals between manure removals should therefore be as short as possible. In the past, however, manure belts had to be constantly monitored during operation, sometimes requiring adjustment by experienced staff. Manure was therefore not removed as often as would be ideal.

With AMBA (Automatic Manure Belt Adjustment), Big Dutchman can now offer a solution that saves time and ensures smooth running of the belts. Light sensors positioned to the right and to the left of the manure belt in the drive monitor how the belts run. If a belt does not run straight, the sensors transmit a signal to the AMBA motor. The motor automatically adjusts the belt to stop it from deviating.



Permanent straight running of the manure belts during manure removal



Specially developed adjustment unit for straight belt running



Light sensors monitor the belts



Stand-alone controller 103



amacs controller

The advantages at a glance

- ✓ self-regulating, straight running of the belts during manure removal ensures high process reliability;
- ✓ manual adjustment of the belts is no longer required, saving much time;
- ✓ the bus-compatible motor can communicate with the farm computer, e.g. amacs;
- ✓ automatic detection of the load on the manure belt indicates when manure must be removed;
- ✓ longer service life of the entire manure belt drive;
- ✓ can be retrofitted for all BD manure belt drives around the world thanks to a multi-range power unit (90–277 VAC).



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