



P O U L T R Y I N D U S T R Y



*Meeting the poultry Packaging challenge
- The Bilwinco Way*



www.bilwinco.com



FRESH

Challenges

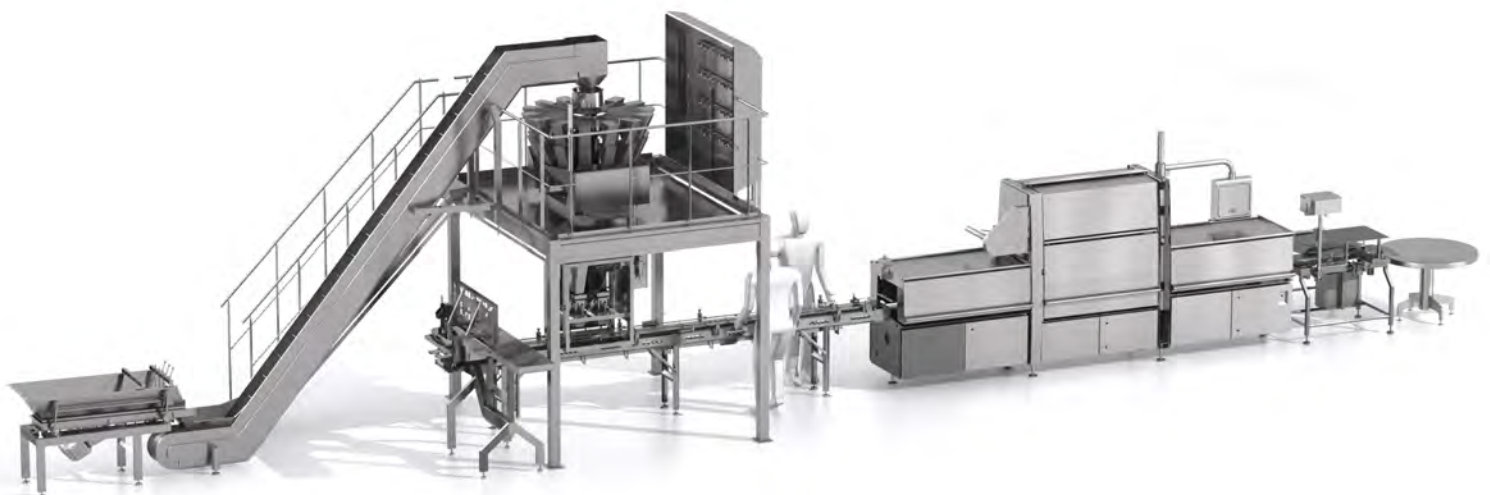
- Fresh poultry is sticky like few other products and renowned for its ability to adhere to most surfaces, forming blockages and generally making life difficult
- Hygiene is of extraordinary importance in the fresh poultry industry

Solution

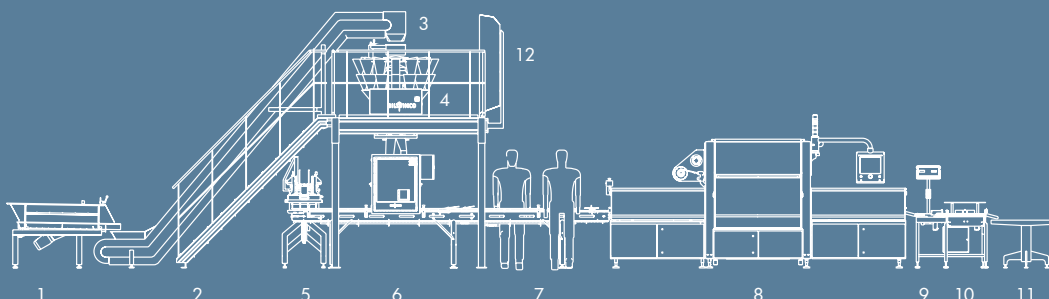
Bilwinco Revolution Series multihead weighers are the only weighers that excel with sticky products such as fresh or marinated chicken meat. Due to the variable and self-adjusting Linear Drive vibrator system the product flow is both homogeneous and very gentle towards the product, meaning even fragile cuts are processed to the highest quality standards. Our product tray filling tools are custom built for the job at hand – this translates directly into industry-leading coherence between nominal and actual gross output capacity. Direct weighing and automatic continuous taring ensures homogeneous output weight all through the production cycle. And with our superior cleanability the product shelf life is never compromised by the packaging line.



Fresh poultry must be packed automatically in a clean environment in order to maintain quality and shelf life



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|--------------------|----------------------|----------------------|----------------------------|--------------------|---------------------|
| 1) Storage hopper | 3) Product guide | 5) Tray denester | 7) Manual styling conveyor | 9) Check weigher | 11) Buffer table |
| 2) Infeed conveyor | 4) Multihead weigher | 6) Distribution tool | 8) Tray sealer | 10) Metal detector | 12) Washing station |



FROZEN

Challenges

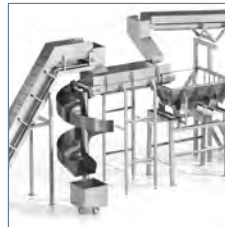
- Frozen poultry packaging lines must have cold buffering capacity to deal with bottleneck situations further down the line
- Most lines pack a large variety of portion sizes, in many different receptacles. The packaging solutions must be flexible, with short changeover times, to accommodate this

Solution

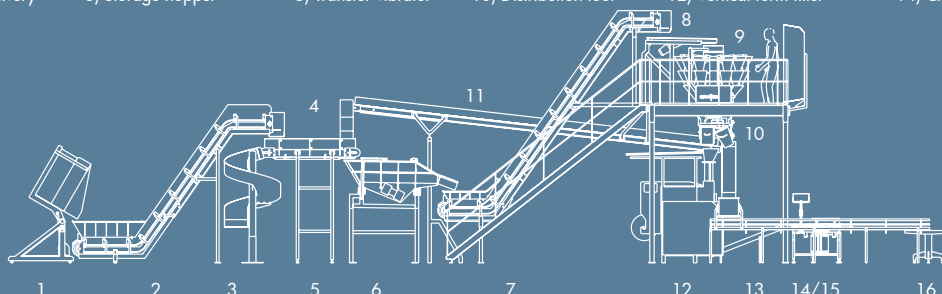
Our frozen chicken meat packing solutions based on the Revolution Series multihead weighers are just that; offering capacity and optional reject back-feed line. We can weigh and pack any portion sizes up to 25kgs simultaneously, and our automatic continuous taring ensures very low reject rates at the check weigher, to the benefit of Overall Equipment Effectiveness (OEE)



The exclusive Bilwinco solution ensures that the freezer flow needs never be interrupted even when there is a flow stop further down the line. The excess product may be reintroduced into the weighing line as soon as the flow is reestablished



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|-----------------------|----------------------------|-----------------------------|----------------------|-----------------------|--------------------------|-------------------|--------------------|
| 1) Lift for Euro bins | 3) Spiral reject to buffer | 5) Reversible transfer belt | 7) Infeed conveyor 2 | 9) Multihead weigher | 11) Conveyor for rejects | 13) Box conveyor | 15) Metal detector |
| 2) Infeed conveyor 1 | 4) IQF Freezer delivery | 6) Storage hopper | 8) Transfer vibrator | 10) Distribution tool | 12) Vertical form filler | 14) Check weigher | 16) Buffer table |



VALUE - ADDED

Challenges

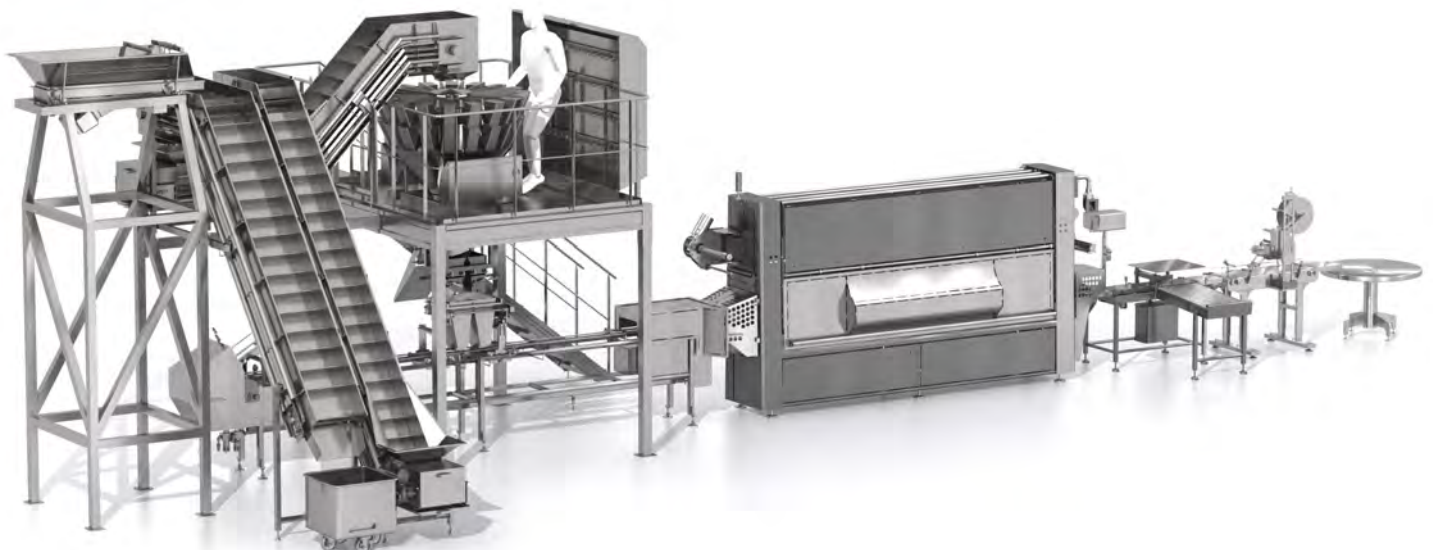
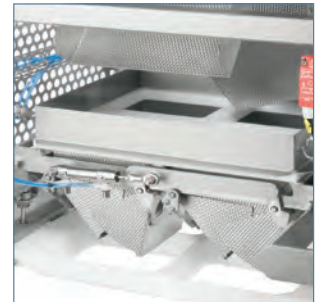
- Most value-added chicken foods require very careful handling in the weighing/packing process to avoid separating crumbing from meat.

Solution

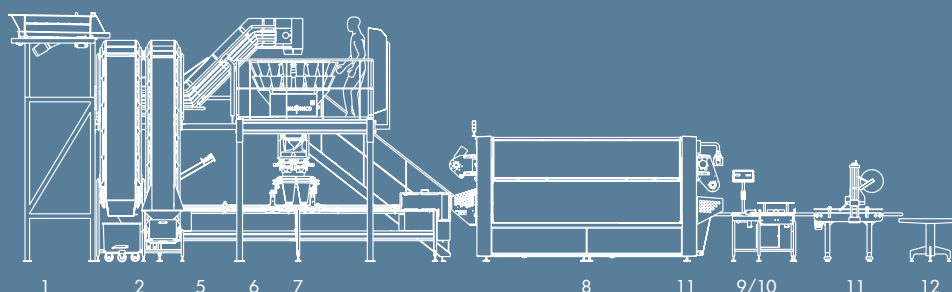
Our Revolution Series multihead weighers are designed for just that, with the revolutionary new feeder tray vibrators being able to shift any product at the highest possible rate with minimum abrasion. The output quality is higher, and the product looks more attractive in any packing solution.



The Bilwinco distribution tools feature precisely calculated dropping heights- and angles, ensuring careful processing of fragile products.



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|---|-----------------------|------------------|----------------------|--------------------|------------------|
| 1) Storage hopper | 3) Infeed conveyor | 5) Tray denester | 8) Tray sealer | 9) Check weigher | 11) Labeller |
| 2) Conveyor system for buffering & reentering | 4) Multihhead weigher | 6) Tray conveyor | 7) Tray filling tool | 10) Metal detector | 12) Buffer table |



THE BILWINCO WAY

Bilwinco supplies complete packaging solutions for the Poultry industry. But we are more than a supplier of weigh-ing and packaging solutions; we are your innovative business partner through every step of the process, from idea to operational packaging line.

Key arguments for a Bilwinco solution to your packaging needs:

- LESS GIVEAWAY – direct weighing ensures 20-30% less giveaway compared to traditional weighers
- HIGHER CONSTANT THROUGHPUT of difficult products with Linear Drive vibration (Patent pending), keeping productivity high and product quality unmatched
- LOWEST COST OF OWNERSHIP(COO) on the market



TURNKEY PACKAGING SOLUTIONS

Your knowledge at . At the heart lies our conviction that you know your products, and your markets, better than anyone else. Our task is simple; we listen, we observe and then we operationalise your knowledge by building packaging lines matching your expectations. We call it the Bilwinco Way.

OPERATIONALISING YOUR KNOWLEDGE

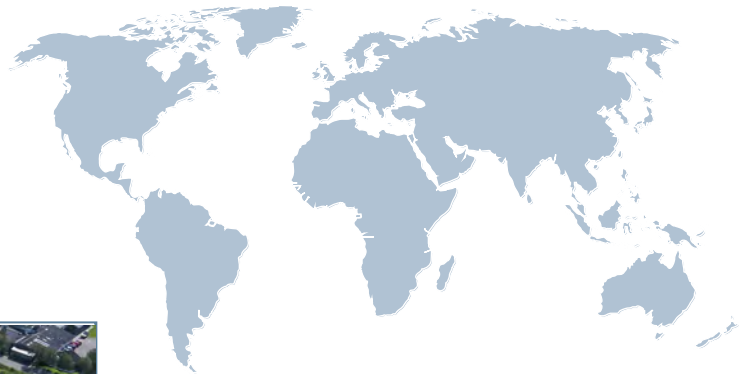
Our packaging lines consist of a custom-built Bilwinco weighing line combined with the packaging solution of your choice. Our strength is our intimate knowledge of the packaging solutions out there, and how they interact with your product and our state-of-the-art multihead weighers. By choosing us a your turnkey contract supplier you eliminate many of the expensive variables inherent in the process. You define the process at hand once, to one partner and we design the whole packaging line. Once the line is operational you have only one service number to call; ours.

G R E A S Y
S T I C K Y
F R A G I L E

The weigher is the pivotal unit in the multihead weigher packaging line. The speed and efficiency of the weigher defines the gross output of the entire line – and we are multihead weigher experts. The Bilwinco Revolution multihead weigher series is state-of-the-art technology from start to finish and the only weigher that excels with greasy, sticky or fragile foodstuffs. Practical tests have shown gross productivity increases of up to 10-15% compared to our competitors when processing difficult products. The improvements are accomplished through refinements of every step of the operational process, not least the improved hygiene, which in itself amounts to up to 50% less downtime for cleaning during product changeovers – particularly important in hygiene-sensitive industries such as poultry.



Bilwinco has been a market leader in the weighing and packaging industry since 1955. At our company headquarters in Hjoerring, Denmark, we develop and build individual solutions for our customers worldwide. Our experience is your guarantee that a Bilwinco packaging solution is always tailored to your particular demands.



Contact us

At Bilwinco we have people specialised in packaging solutions for the Poultry industry. We are eager to begin the dialogue with you which will ultimately result in the perfect package line for your Poultry products. May we suggest that you give us a call.



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