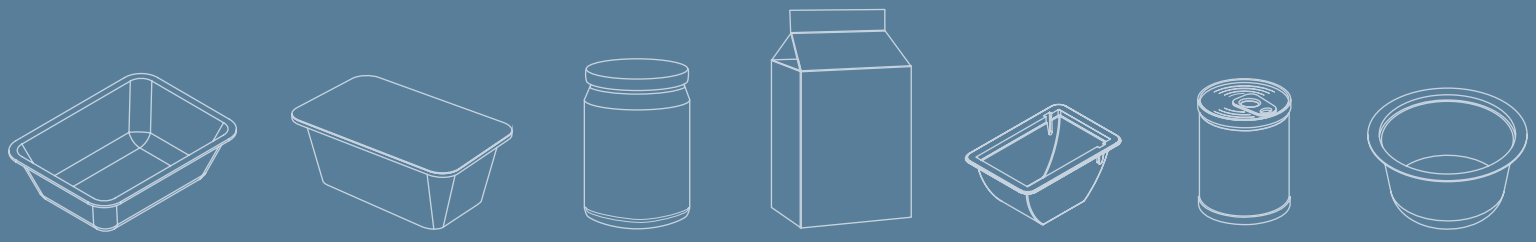
MEAT INDUSTRY

Meeting the Meat packaging challenge
- The Bilwinco Way

BILWINCO

www.bilwinco.com



FRESH CUTS

Challenges

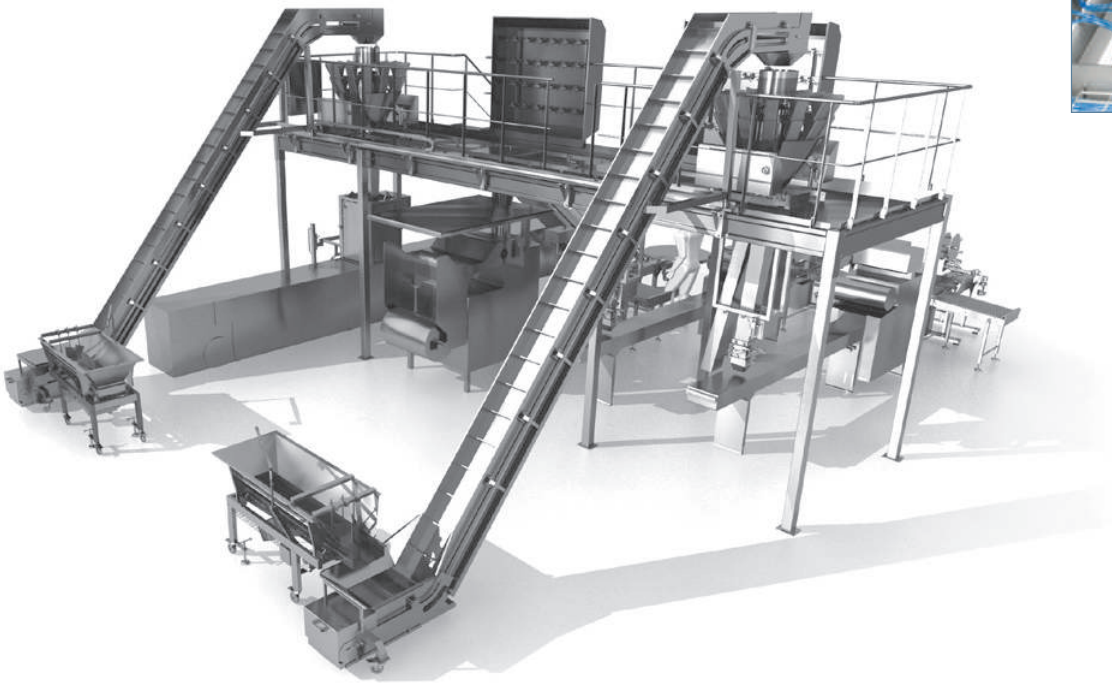
- Must be packed to high accuracy levels
- Must look *good* in the tray – post-weighing styling is often called for
- Hygiene must be *perfect* for the shelf life to be guaranteed
- Frequent product changeovers require distribution tool flexibility and easy cleanability

Solution

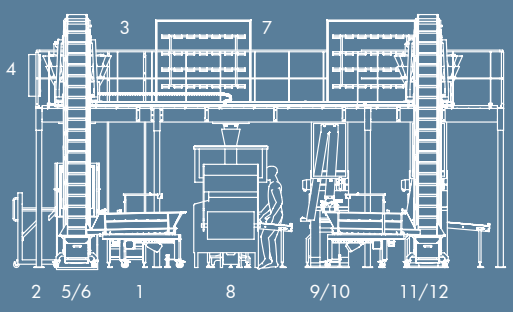
Due to the direct weighing, self-adjusting and -taring properties of our weighing lines our accuracy is unsurpassed. And our custom-built distribution tools ensure accurate placing in the product receptacle every time, while our new recess-free chassis design makes cleaning and daily hygiene a breeze – a factor that, together with the interchangeable distribution tools, also contributes to our fast product changeover times.

The Bilwinco Human Machine Interface (HMI) is intuitive to use, is cleaning friendly and has optional ports for surveillance video input. It also supports (optional) online accessibility for quick software updates or centralised production stats generation

The Bilwinco 2DT4 distribution tool accurately and expediently apportions the product onto the trays or into the bags



1) Storage Hoppers
2) Infeed conveyors
3) Multihead weighers
4) Platform with rails for MHW positioning
5) Thermoformer distribution tool
6) Thermoformer
7) Washing station
8) Vertical form filler
9) Tray filling tool
10) Tray sealer
11) Check weigher
12) Labeller



FROZEN MEAT

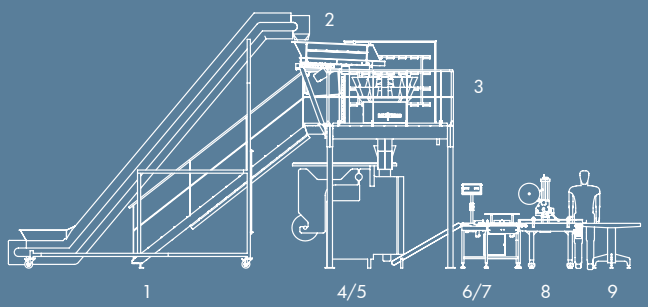
Challenges Solution

- Must be heavy duty and robust equipment for running large frozen items 24/7
- Must meet *fixed weight* demands with virtually no rejects
- Freezer buffering is essential in case of line change overs
- Must be quickly adaptable to different packing weights/containers

Solution

Very high accuracy at the weigher level makes our weighing lines optimally suited for fixed weight production runs. Our superior workmanship and parts policy ensures minimum unplanned downtime, and the built-in buffering system keeps product frozen in the event of a packing line bottleneck situation. And finally, all Bilwinco packaging solutions have the shortest and smoothest changeovers in the industry!

1) Mobile infeed conveyor
2) Storage hopper
3) Multihead weigher
4) Filling tool with reject
5) Vertical form filler
6) Check weigher
7) Metal detector
8) Labeller
9) Packing table



MEAT

Many customers in the case ready industry choose the mobile Bilwinco weighing solutions due to the extra flexibility and the improved cleanability of such a setup

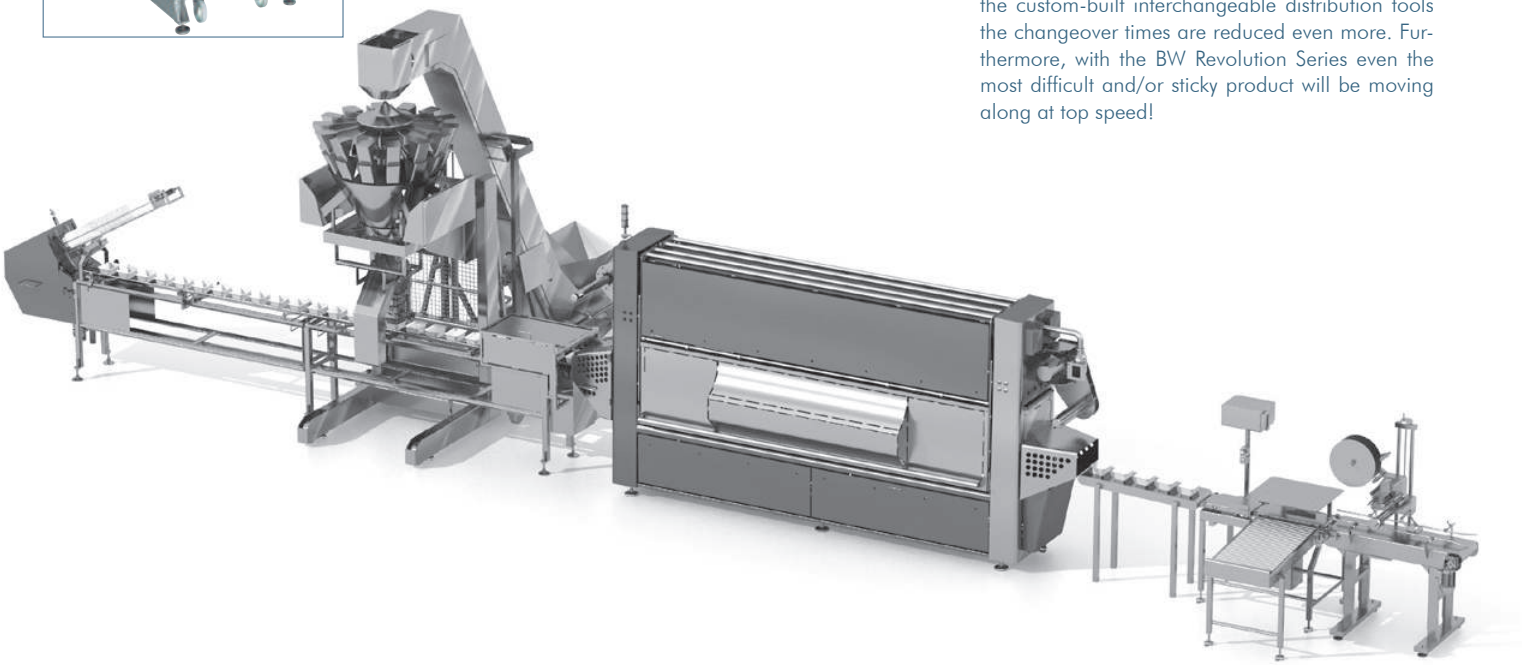
MARINATED PRODUCTS

Challenges

- Marinated beef or pork is difficult to move and tends to stick to every surface
- Marinated products pose extra challenges to the cleanability of the weigher
- Frequent product and packaging changeovers mean frequent cleaning and frequent distribution tool changes too
- In mechanically aided product transport systems the meat and the marinade tends to become separated, making the output quality unpredictable.

Solution

Our new radial feeder vibrators can be set to vibrate at the natural frequency of the product, something that will keep *any* product moving! This means no particular considerations are necessary upstream of the weigher. It is also extremely hygienic; our tests have shown reductions in cleaning times of up to 50% compared to comparable products, and with the custom-built interchangeable distribution tools the changeover times are reduced even more. Furthermore, with the BW Revolution Series even the most difficult and/or sticky product will be moving along at top speed!



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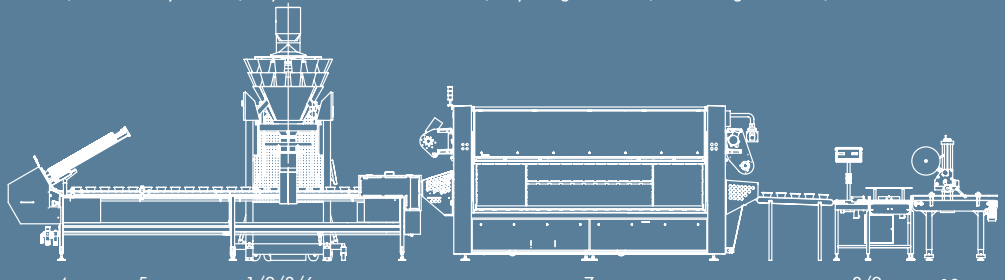
1) Storage hopper
2) Infeed conveyor
3) Mobile multihead weigher
4) Tray denester
5) Tray conveyor
6) Tray filling tool
7) Tray sealer
8) Check weigher
9) Metal detector
10) Labeller



THE BILWINCO WAY

Bilwinco supplies complete packaging solutions for the Case Ready industry. But we are more than a supplier of weighing 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

At the heart of the matter 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.

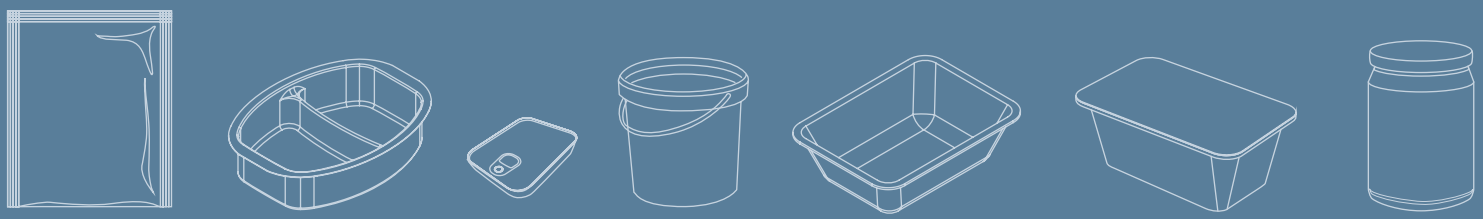
OPERATIONALISING YOUR KNOWLEDGE

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 available packaging solutions, and how they interact with our state-of-the-art multihead weighers. By choosing us as your turnkey contract supplier you eliminate many of the expensive variables inherent in the process. You define the task 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.

GREASY STICKY FRAGILE

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 meat processing.



Bilwinco has been a market leader in the weighing and packaging industry since 1955. At our company headquarters in Skanderborg, 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 Meat industry. We are eager to begin the dialogue with you which will ultimately result in the perfect packaging line for your Meat products. May we suggest that you give us a call!

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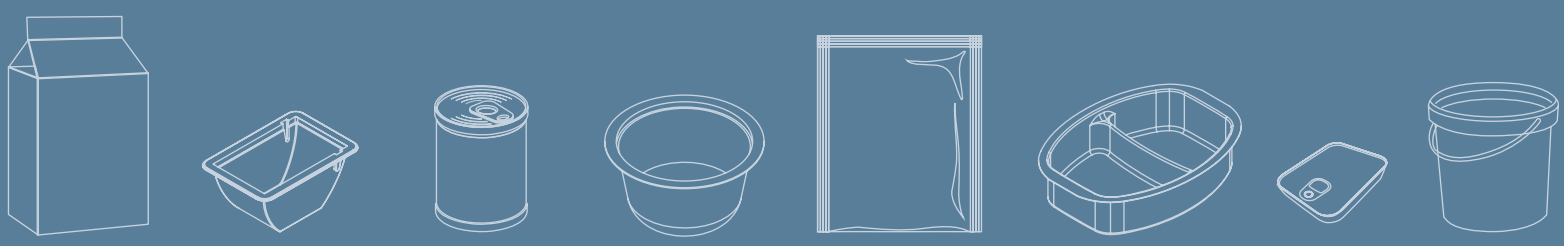
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