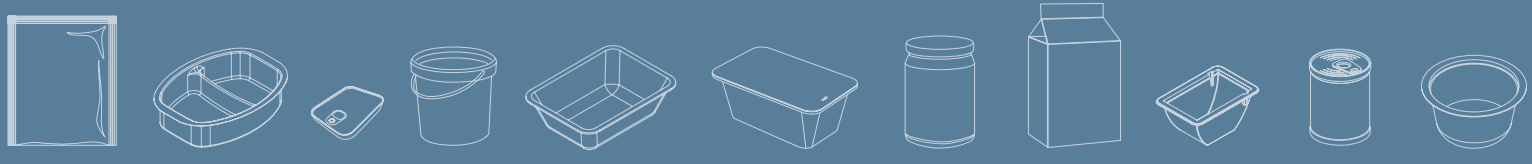
FRESH PRODUCE INDUSTRY

Meeting the Fresh Produce packaging challenge - The Bilwinco Way

BILWINCO

www.bilwinco.com



PREPARED SALADS

Challenges

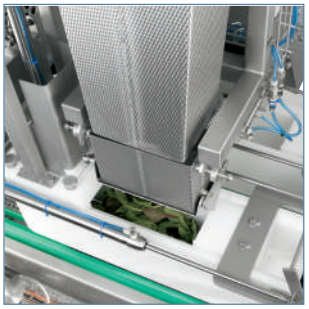
- Very sticky product
- Fragile leaves must be treated with exceptional care to guarantee shelf life
- Frequent product changeovers require distribution tool flexibility and easy cleanability

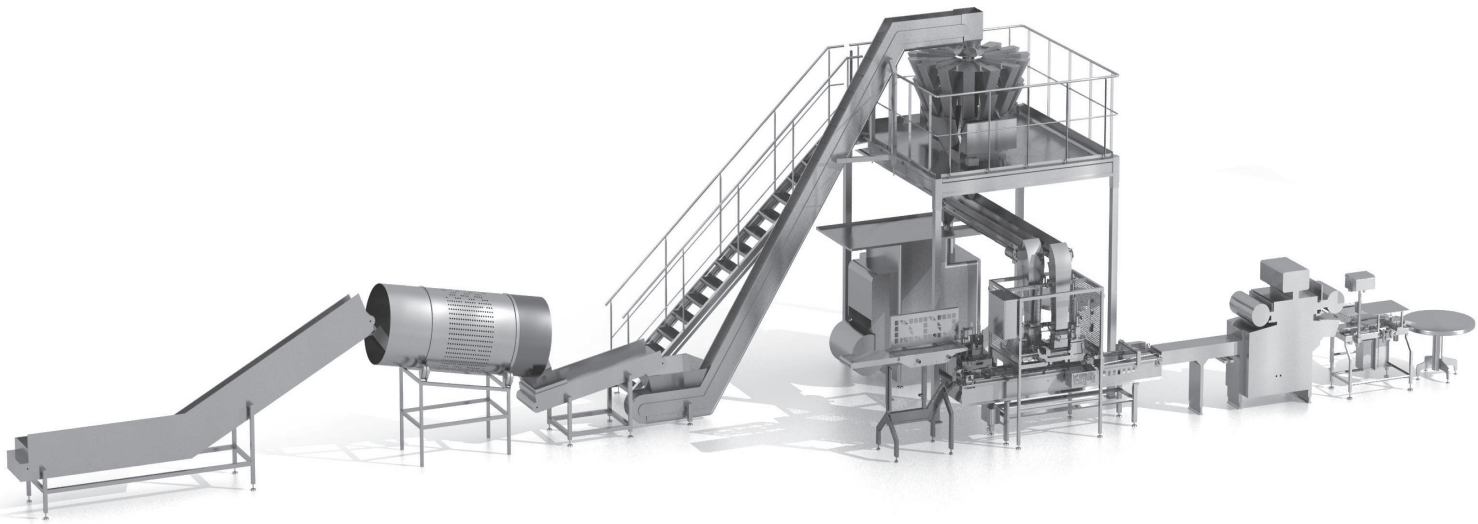
Solution

Our Linear Drive* radial feeder vibration system makes even lettuce leaves *want* to move into the weighing hoppers, and damage nothing while performing their magic. Our new design is sleek and clean like no other multihead weigher available today, making periodic cleansing and product changeover cleaning of the machine a breeze.

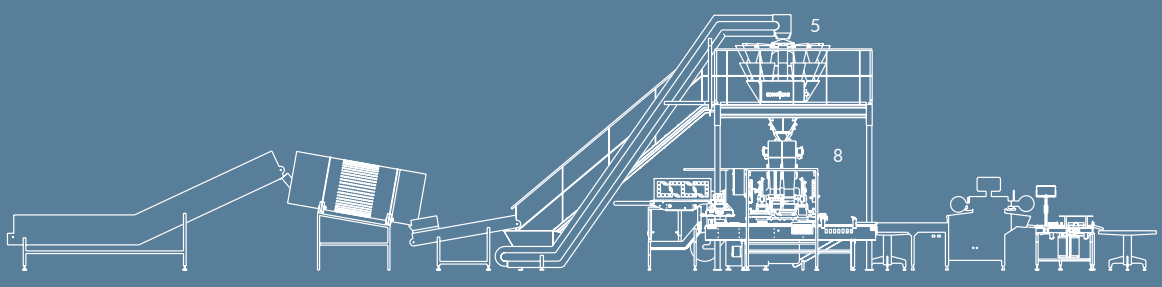
*) *Patent pending*

An example of a custom-built Bilwinco distribution tool for pre-cut lettuce leaves. The internal surface of the tool is optimised for lettuce





1) Inspection conveyor
2) Tumble mixer
3) Infeed belt
4) Conveyor
5) Multihead weigher
6) Tray denester
7) Filling tool
8) Vertical form filler
9) Flow packer
10) Labeller
11) Packing table



FRESH FRUIT

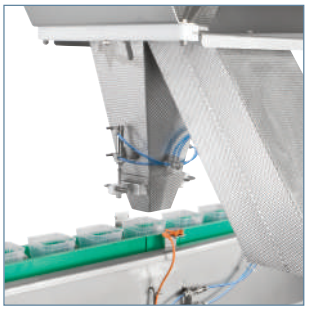
Challenges

- Fresh, peeled fruit is possibly the most fragile product to be packed mechanically – smears easily
- Very sticky
- Fresh fruit is sold in many different receptacles – the packing line must have short changeover times for both products and receptacles
- All fresh fruit products are processed Just In Time, meaning packaging line downtime costs grow exponentially

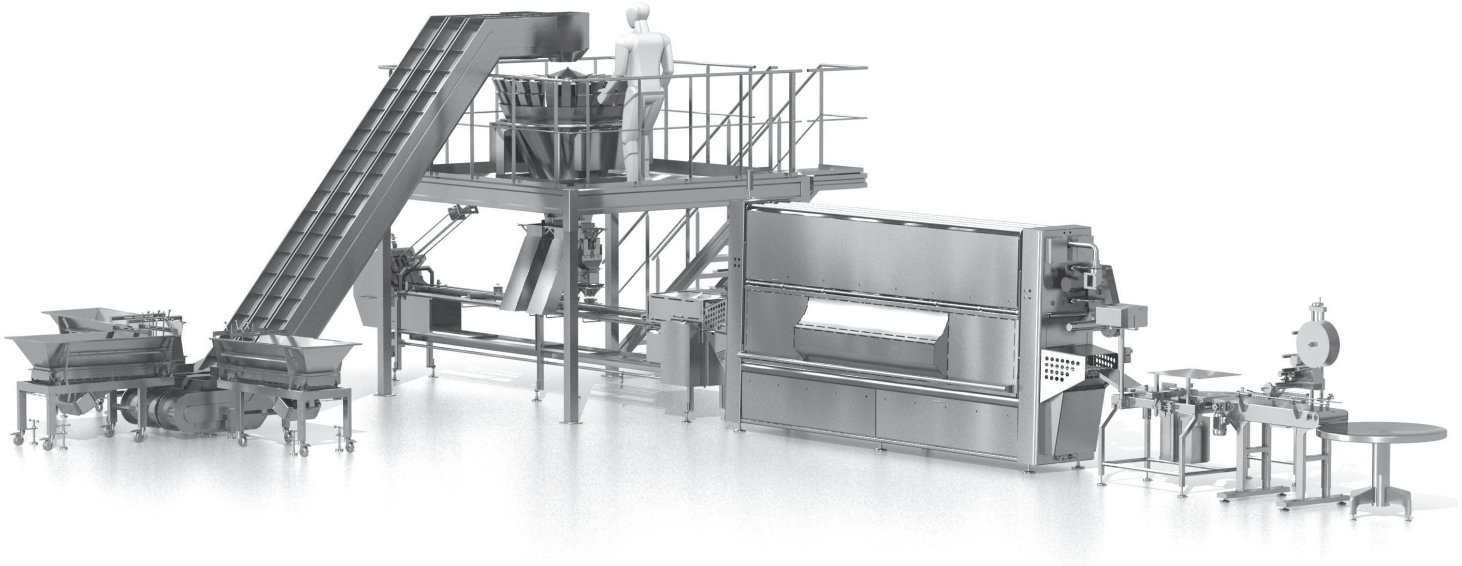
Solution

Linear Drive* radial feeders keep even sticky fresh fruit moving at optimum rates, and the rate of vibration can be kept low enough to ensure no damage to the product while still maintaining productivity. Our superior workmanship and parts policy ensures minimum unplanned downtime, while the new design keeps cleaning times down. And finally all Bilwinco distribution tools are custom made for the job at hand, and we *always* focus on the quickest possible product changeover times!

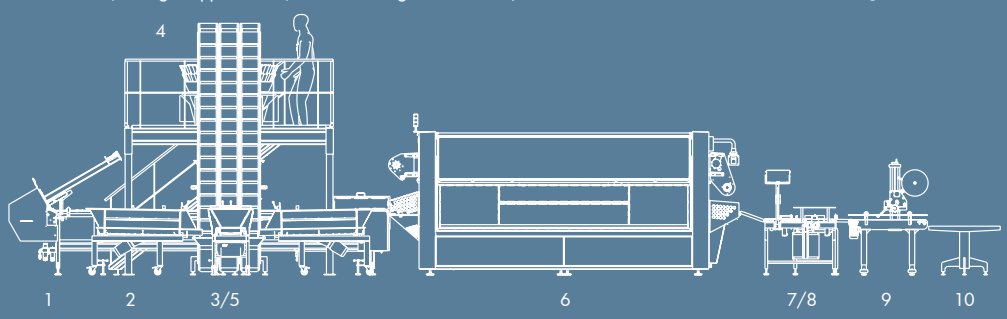
**) patent pending*



A fresh sliced fruit distribution tool. Extra care is necessary to avoid smearing - the drop angles and height are optimised for this



1) Tray denester
2) Storage hoppers
3) Triple mix conveyor
4) Multihead weigher
5) Tray filling tool
6) Tray sealer
7) Check weigher
8) Metal detector
9) Labeller
10) Packing Table



PEELED POTATOES

Challenge

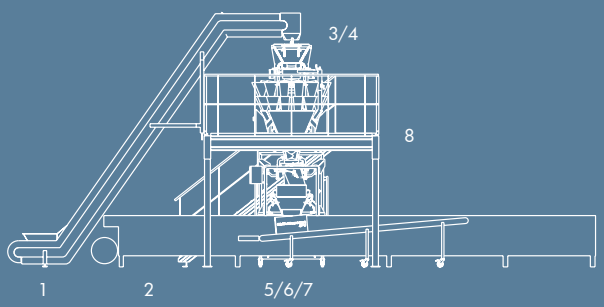
• In a word; volume. Peeled potato packing lines must have low unplanned downtime, and planned downtime for cleaning and maintenance must be kept to an absolute minimum.

Solution

The Bilwinco Revolution Series packaging lines, built to excel with far more complex products, makes packing potatoes like child's play. Our reliability is unmatched, our cleaning times are low and our multihead weighers just keep going, year after year.

A peeled potatoes packaging line closeup. In order to ensure homogenous filling of the glasses the receptacle conveyor vibrates too - a challenge when dealing with receptacles made of glass

1) Infeed conveyor
2) Thermoformer
3) Forward vibrator
4) Multihead weigher
5) Thermoformer distribution tool
6) Box conveyor
7) Box filling tool
8) Platform



THE BILWINCO WAY

Bilwinco supplies complete packaging solutions for the Fresh Produce 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 think of it as 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 all the packaging solutions out there, and how they interact with your product and 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 fresh produce.

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 Fresh Produce industry. We are eager to begin the dialogue with you which will ultimately result in the perfect packaging line for your Fresh Produce products. May we suggest that you give us a call!

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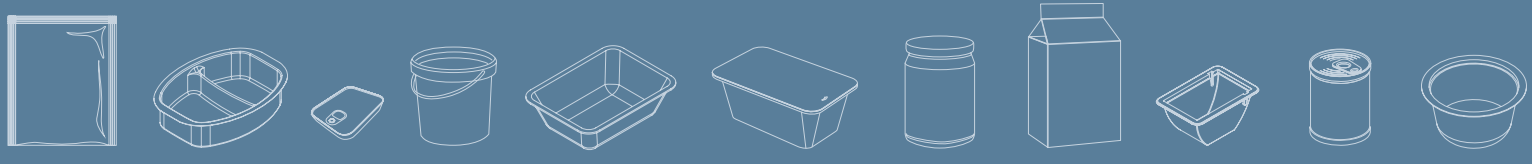
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