

Ishida integrated packing lines: proven results from a single, reliable source

Rely on Ishida experience and knowhow to put together solutions to your major packing opportunities and challenges.

Solutions such as the one shown in this leaflet are initially developed for specific customers. Ishida brings to the table experience from many different installations, along with world-leading design and engineering expertise. Our experts seek to fully understand the customer's wishes, challenges and constraints to come up with a truly integrated solution that often finds efficiencies and economies above and beyond what is expected.

Using a single supplier to execute the task brings obvious benefits in the way the equipment fits and works together, and also reduces the administrative workload of your staff.

In addition to manufacturing all the essential equipment to our own high standards, we offer a project management service which is unique in its food industry knowledge and orientation.



Integrated salad packing line



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A fast, flexible system for packing salad-based ready meals 'on demand'

Line description

Complete line for packing multi-component salad-based ready meals into re-closable trays and bowls, from weighing of key ingredients through sealing, labelling, lidding and full inspection to cartoning (or crating) and palletising.

Customer description

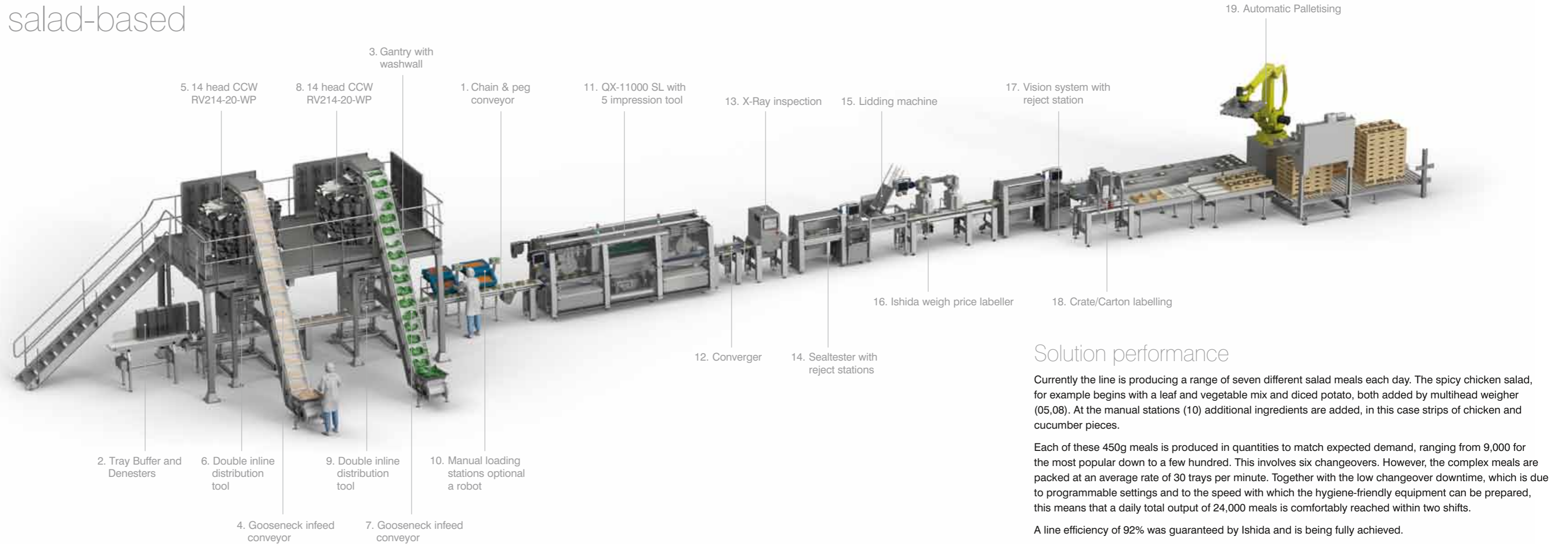
European salad producer under contract to a major national supermarket chain.

Other operations that can benefit

Any operation producing salad meals to several different recipes at a relatively high volume and to the highest food safety standards, particularly where the emphasis on particular recipes can shift at short notice. The manual loading stations (10) can be automated to further increase speed.

Main challenges

The relatively short shelf life of fresh salad meals combines with rapidly varying consumer tastes to make ordering stock for supermarket chiller cabinets and cafeterias a skilled job, involving educated guesswork. Suppliers need to respond rapidly and flexibly. This salad meals producer needed a line to produce about 24,000 portions per 2-shift day, divided on any one day among as many as eight different tempting offerings.



Solution performance

Currently the line is producing a range of seven different salad meals each day. The spicy chicken salad, for example begins with a leaf and vegetable mix and diced potato, both added by multihead weigher (05,08). At the manual stations (10) additional ingredients are added, in this case strips of chicken and cucumber pieces.

Each of these 450g meals is produced in quantities to match expected demand, ranging from 9,000 for the most popular down to a few hundred. This involves six changeovers. However, the complex meals are packed at an average rate of 30 trays per minute. Together with the low changeover downtime, which is due to programmable settings and to the speed with which the hygiene-friendly equipment can be prepared, this means that a daily total output of 24,000 meals is comfortably reached within two shifts.

A line efficiency of 92% was guaranteed by Ishida and is being fully achieved.