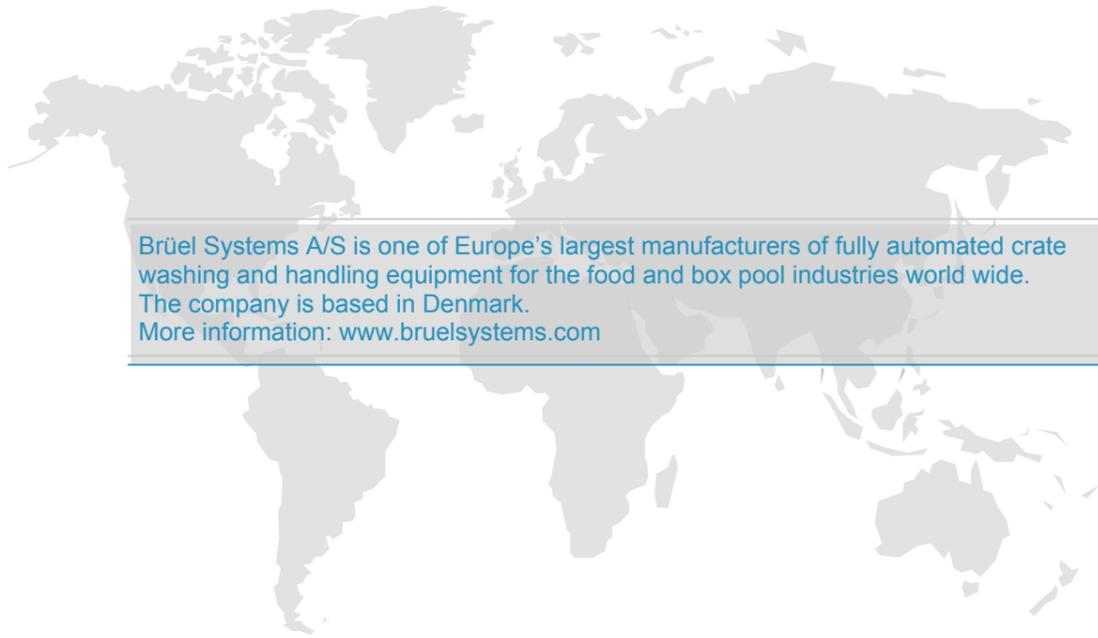


Brüel
SYSTEMS



Brüel Systems A/S is one of Europe's largest manufacturers of fully automated crate washing and handling equipment for the food and box pool industries world wide. The company is based in Denmark. More information: www.bruelsystems.com

Brüel System A/S



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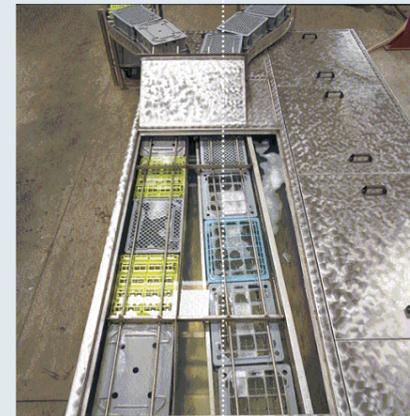
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Brüel
SYSTEMS

- washing & handling solutions



Flume washer

Brüel Systems flume washer

General

- Widely used in the **bakery, brewery and fish** sectors. But suitable in many other sectors.
- Suitable for **rigid boxes** with an open construction
- Each washer is **engineered** to meet the specific requirements of the application based on **modular construction**.
- Single or dual lane** options according to capacity required. Up to 2200 boxes per hour per lane.
- Can be **integrated** into a fully automated washing and handling system including automated in-feed and out-feed.
- Type 304 **stainless steel**

Pre-rinse section

For boxes with heavy soiling a pre-rinse section can be provided. This enables water as well as detergent to be saved by maintaining the quality of the water in the main wash tank for longer.

Dissolving section

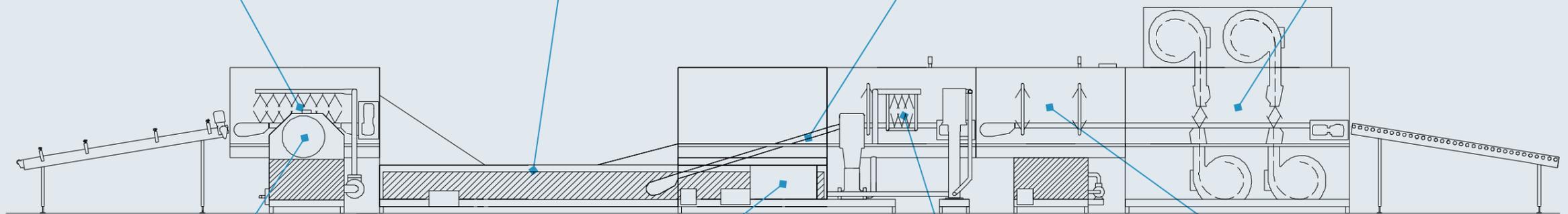
The flume dissolving section consists of re-circulating wash water with the boxes fully immersed so as to achieve an efficient dissolution of dirt. A flow system transports the boxes through the flume.

Transport system

For box transport through the flume washer, a conveyor (plastic or steel according to the application) is used with carriers and adjustable top and side guiding according to the size and design of the box.

Drying section

High pressure air knives ensure the required level of dryness of the box. The air is re-circulated and heats up during operation improving the dryer efficiency. The water blown off is returned to the after-rinse section.



Screw filter

Rotary screw filter ensures that the water is continuously cleaned. An external container collects the separated dirt from the wash water.

Rotary drum filter

The re-circulated wash water passes through a rotary drum filter ensuring that the water is continuously cleaned. A waste container collects the separated dirt.

Washing section

In the washing section, the nozzles are located in a spray portal. The washing pressure is typically 6 bar with a spray volume of between 50-120 m³/hr. The wash water is re-circulated via a rotary drum filter.

After-rinse section

Re-circulated after-rinse with water fed from a separate tank at a pressure of 2 bar and a final fresh water rinse fed direct from the mains. A water-saving device ensures minimum freshwater consumption for the final rinse. A static filter is fitted in the after-rinse tank.