

FLEXFEED LP2 300-400

TWO-STATION FEEDING MACHINE



APPLICATIONS

The FlexFeed LP2 is a versatile, high-quality feeding machine that offers excellent productivity for a wide range of large or small flat linen such as sheets, duvets, fitted sheets, table linen, napkins, pillowcases, aprons, etc.

OPERATION

There are 2 feed-in stations on each side of the machine, where the two corners of long items can be clamped. A highly efficient, high-precision system with blade clamps and a pair of clamps at each feed-in station retrieves each item and then simultaneously extends and positions it centrally over the feed-in opening.

The spreading-out speed can be controlled as the tension applied to each spread-out item, avoiding unnecessary tearing of delicate or thin items.



High-power suction box

The tails of long items are sucked in by the feed-in roller which provides deep suction into the box, using high-power, frequency reversing control. The combination of suction together with the volume of the mouth of the spreader blade ensures smoothing and alignment as the item enters the feeding machine.

In addition to a high-powered fan capable of pre-programming the suction of the cycle feed-in belt, there is a set of speed-controlled brushes underneath the support belts.

Servo Control

Once the two servo motors and clamps are fully in the central position, an additional servo drive pulls the server clamping bar horizontally into the machine where the clamps release the item at the front of the machine. This can be controlled by eliminating the item's corner turn. The servo control is fast, efficient, reliable and fully controllable, which means it has a versatility that is second to none.

High quality feed-in

A stop-conveyor installation is used for improved quality. A separate, continuous speed, upper part of the conveyor sits on the main feed-in belts, which can be momentarily slowed down to allow for different speeds between the conveyors to smooth the edge of each item. It is also possible to completely stop the



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feed-in conveyor during the feeding-in process in order to make quality corrections on items such as round tablecloths.



3 feed-in modes

- 1. Long piece mode. One operator per feed-in station positioned at each corner with two feed-in clips for the server clamps to automatically restore the feed-in into the machine. Ideal for sheets, duvets, fitted sheets and large table linen.
- 2. Attachment of the server mode: The frame containing the two feed-in stations retracts at the push of a button to allow operators to feed directly into the server clamps. This can be done with one centrally located operator, or with two operators.

The server clamps can also be arranged to reach a pre-programmed width to allow two operators to each feed in their own corner. This mode is excellent for very large pieces such as banquet linen.

- 3. Small item mode: With the feed-in station frame retracted, the server clamping bar can also be retracted to allow manual feeding in of small items. High quality and guaranteed production using the suction box, feed roller and vacuum assistance on the feed-in belts.

OPTIONS

- Working widths: 3000 mm, 3300 mm, 3500 mm, 3700 mm and 4000 mm
- Single and twin rail versions are available
- Modified front end for direct feed-in
- Full synchronisation with flatwork ironer/folding machine
- Distributor brushes mounted for outward pulling



TECHNICAL DETAILS

Air pressure	4 bar
Air consumption	<1m3/hr
Power	3x380/415V, 50/60Hz, 3ph
Power (b)	3x208/240V, 50/60Hz, 3ph
Power (b)	3x480, 60Hz, 3ph
Power consumption	6.6 kWh
Lines	1 or 2
Max. item length	400 cm
Max. item width	3000, 3300, 3500, 4000 mm
Machine length	408-460 cm
Machine width	211 cm
Machine height	157 cm
Machine weight	2800 kg
No. of items per...	500