

FLEXFEED LP1 300-400



VERSATILE MANUAL FEEDING MACHINE FOR SMALL AND LARGE ITEMS

APPLICATIONS

The FlexFeed LP1 is a versatile flatwork feeder, capable of feeding the full range of small and large items, such as sheets, duvet covers, pillowcases, table linen and so on.

Servo-controlled separator clamps, high-speed feed-in roller, spreader brushes and high-power vacuum box all contribute to high feeding quality.

The FlexFeed LP1 is available in various working widths: 3000 mm, 3300 mm, 3500 mm or 4000 mm.

OPERATION

The FlexFeed LP1 can be operated in 4 different ways:

1. By one operator positioned in the centre of the feeding machine. The operator places the corners of the item directly into the spreader clamps. The spreader clamps return to the operator after their spreading cycle.
2. By 2 operators; one on the left, the other on the right. The spreader clamps first go to the left operator, while the right operator is preparing the item; after the spreading cycle, the spreader clamps move to the right operator while the left operator is preparing the next item.
3. By 3 operators: one on the left, one on the right and one preparing the items. One spacer clamp is placed on the left side, the other on the right side. As the items are already prepared, both operators take a corner and put the spacer clamps on. As the spreader clamps are in a wide position that have only been extended for a short time, this means very high productivity rates.
4. Up to 6 operators for manual feeding of small items such as napkins, cushion covers etc directly onto the vacuum table. In this mode, the spreader clamps are directed to the rear position.

Each spreader clamp is controlled by a servo motor for maximum productivity and precision. The horizontal movement is also servo-controlled.

For round table linen, the FlexFeed LP1 offers the option of making an additional stop for quality control/correction.

The LP1 is equipped with a vacuum ramp for better shaking performance. Two high-powered, frequency-controlled vacuum fans provide the vacuum power in the hopper. Each side is equipped with a central dust collector with filter for fast and easy dust extraction.

In addition to the vacuum box, a high-spinning roller, stretching knife and spreader brush also contribute to the smooth shaking and spreading performance.



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After the expansion movement, the item is placed on the conveyor belts. A separate high-performance emptying system manages the required low pressure.

The FlexFeed LP1 is available in single or double rail operation and is fitted with a conveyor for increased stretching performance.

Each separation clamp is controlled by a servo motor for maximum productivity and precision. The horizontal movement is also servo-controlled. For (round) table linen, the FlexFeed LP1 offers the option of making an additional stop during the feeding-in process for quality control/correction.

The LP1/LP2 has an integral vacuum box that delivers efficient performance. Two high-powered, frequency-controlled vacuum fans provide the vacuum power in the box.

Each side is equipped with a central dust collector with filter for fast and easy dust extraction.

Next to the vacuum box are the roller, stretching knife and spreader brushes which provide smooth shaking out and spreading operation.

After the spreading movement, the item is placed on the conveyor. The belts are arranged separately from the high performance vacuum, and provide powerful suction on high-quality, high-performance feed belts.

The FlexFeed LP1/LP2 is controlled by an easy-to-use colour touch screen, making the FlexFeed LP1/LP2 a high performance feeder.



TECHNICAL DETAILS

Air pressure	4 bar
Air consumption	<1m ³ /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