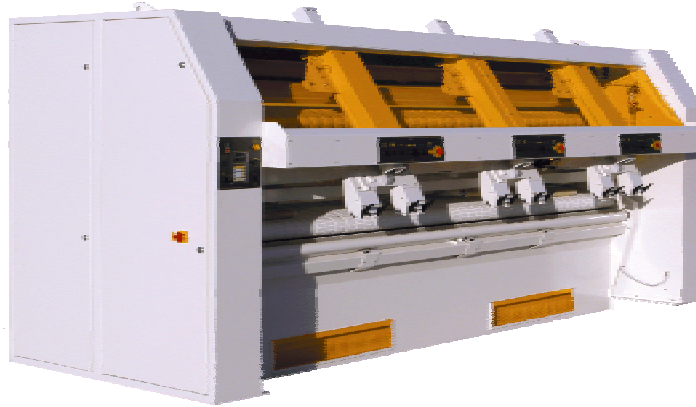


# ATLANTIS 2.2

## AUTOMATIC FEEDER WITH CLAMPS



### Model 2.2:

- 2 front feeding stations, 1 or 2 lanes for large and medium-size flat items (tablecloth, bed sheets, under sheet, mattress protector etc.).

### Production:

- Working width: 3000 - 3300 mm (3500 mm optional)
- Category of item: Large flat items (maxi 3200 mm) and Medium-size (mini 1500 mm) flat items with automatic clamps.
- Can be also used for small flat items in manual mode; direct feeding on the vacuum feeding table.
- Production/hour:
  - 500 to 600 large items, with two operators and one central feeding lane.
  - 750 to 900 medium items with two operators and two feeding lanes according to: machine type, dimensions of items, ironer's speed and operator's skill.

### Operation:

- Feeding stations mounted on mobile head and made of two clamps for perfect accuracy.
- Quick spreading system with adjustable spread allowing processing all kind of items; from the most delicate to the most resistant.
- The feeding station head can be raised for the following two cases:
  - Semi-automatic feeding (without clamps) by using the vacuum top upper sucking table.
  - Manual feeding directly on the vacuum-feeding table.

### Features:

- Clamps spread, pick and drop items perfectly on line on the vacuum top upper sucking table.
- Double horizontal smoothing out section:
  - At the feeding: Upper vacuum table.
  - At the finishing: Smoothing brushes drop off the item on the feeding belts of the ironer. In that

way the action is done on both edges of the item.

- Vertical smoothing by vacuum chamber and feeding roll.
- Ironer feeding section made by 2 sets of bunk conveyor belts (sandwich) keeping the item stretched.
- Control
  - An accurate and quick electronic control system optimises all the parameters of the feeding cycle thanks to the 20 different programs easily selected on the digital keyboard.
- Transmission
  - By electric motors and timing belts.
  - Servo-controlled motors activate the clamps and allow the control and management of the smoothing out of the different type of item (absolutely impossible with traditional asynchronous motors).
- Vacuum
  - Powerful sucking on the vacuum table and on the vertical vacuum chamber.
- Air exhaust pipe with air filter and lateral dust collector.
- Speed variation by encoder and potentiometer.
- Buzzer and light alarms in case of jam.
- Compatible for connection with folder device, for automatic rejection of items (dirt/holes).

### Options:

- Additional control panel installed in front of the ironing set.
- Safety protections between the feeder and the ironer. Programmer prepared for computer connection interface providing signals of feeding errors: management of customer numbers, product numbers, end of series, faulty item (in combination with the ironer management system), with possible division between torn or stained.

# ATLANTIS 2.2

## AUTOMATIC FEEDER WITH CLAMPS

### Working modes:

- Automatic: 2 operators on 2 feeding stations working one central lane OR 2 operators on 2 feeding stations working on 2 lateral lanes.
- Semi-automatic: Mobile clamps head raised up and direct feeding on the upper vacuum table without using clamps.
- Large flat items: 2 operators working on 1 central lane.
- Medium-size flat items: 2 operators working on 2 lateral lanes.
- Manual: Mobile clamps head raised up and direct feeding on the feeding vacuum table without using upper table and clamps.
- Small and medium-size flat items: Several operators feeding on several lanes.

| Electricity        |                    | 3000 –3300 - 3500 |  |
|--------------------|--------------------|-------------------|--|
| Voltage            |                    |                   |  |
| 400V 3N AC 50Hz    | kW                 | 11.25             |  |
| 230V 3N AC 50Hz    | kW                 | 11.25             |  |
| Compressed air     |                    |                   |  |
| Air                | mm                 | 12                |  |
| Pressure           | kPa                | 800               |  |
| Air consumption    | NL/min             | 120-180           |  |
| Sound level        |                    |                   |  |
| Sound level        | dB(A)              | < 70              |  |
| Weight             |                    |                   |  |
| Net weight         | kg                 | 2950              |  |
| Static load        | Kg/cm <sup>2</sup> | 1.4               |  |
| Overall dimensions |                    |                   |  |
| Width              | mm                 | 4960              |  |
| Depth              | mm                 | 2126              |  |
| Height             | mm                 | 1950              |  |

