

Versatile large and small-piece feeder

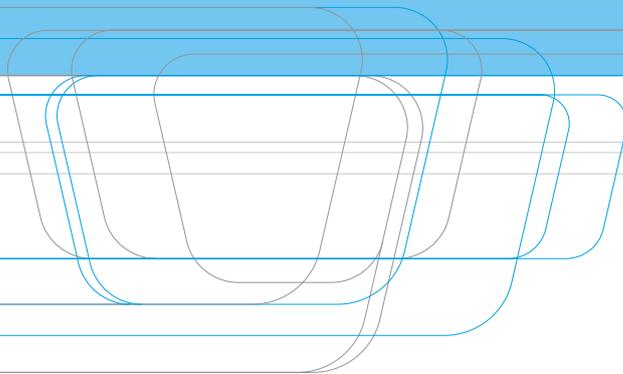
Jenfeed Logic S

1-lane large-piece feeder for mixed production
of table linen and bed linen





1 Large piece feeding



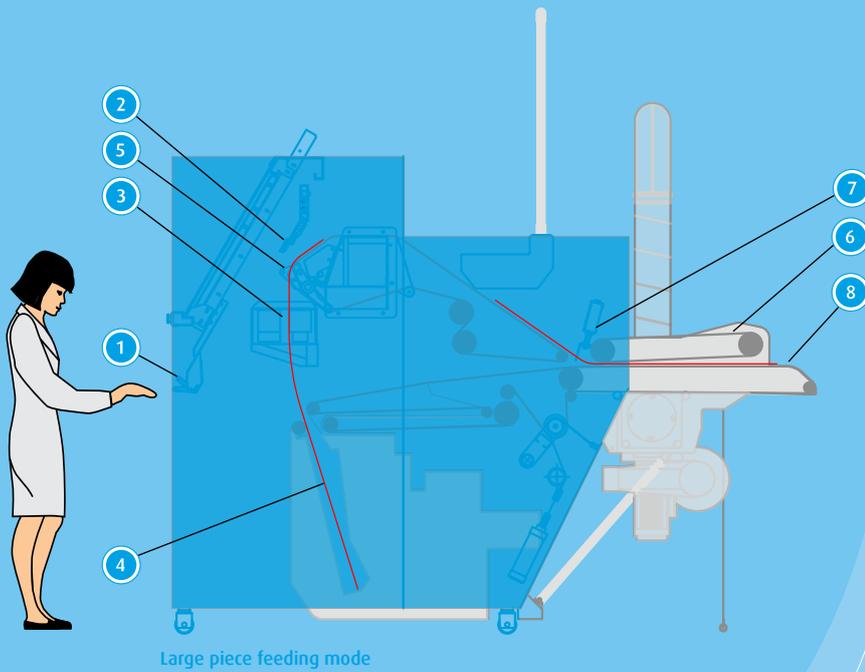
Jenfeed Logic S

Ergonomically ideal feeding of
bed linen and table linen

Application

Laundries demand high productivity per operator hour combined with operator-friendly designs. This led to the introduction of the Jenfeed Logic on the Paris show in 1992.

The Logic feeder was the first front-loaded feeder in the industry, and it is designed for multi-purpose ironer lines handling bed linen and table linen in 1-lane operation as well as small-piece operation in 3 to 6 lanes, where high productivity, ideal ergonomics and stable quality are important.



Unique spreading system with double spreading belts and brushes



1 Operator-friendly

Individually adjustable clamp heights with autostart ensures optimum working conditions in front of the machine. The clamp height positions can be adjusted in 3 steps between 1075 mm and 1275 mm.

2 Spreading clamps

The leading edge of the linen is transferred into the spreading clamps, which by means of different spreading tension in each category ensure fast, yet gently spreading of the linen. A soft spreading feature for high quality purposes is available as an option. Since the pieces are lifted from the feeding to the spreading and transfer positions, no pit in the floor is needed when feeding linen up to a length of 2200 mm.

3 Unique spreading system

During spreading of the linen, the side edges are spread by knop-belts before the trailing edge of the linen enters the vacuum box. 4 Being fully spread, the trailing edge is led into the vacuum box, while a unique spreading system comprising double spreading belts with brushes ensures optimum spreading of the linen before transferring the leading edge to the vacuum supported inlet belts.

5 Pivoting inlet conveyor

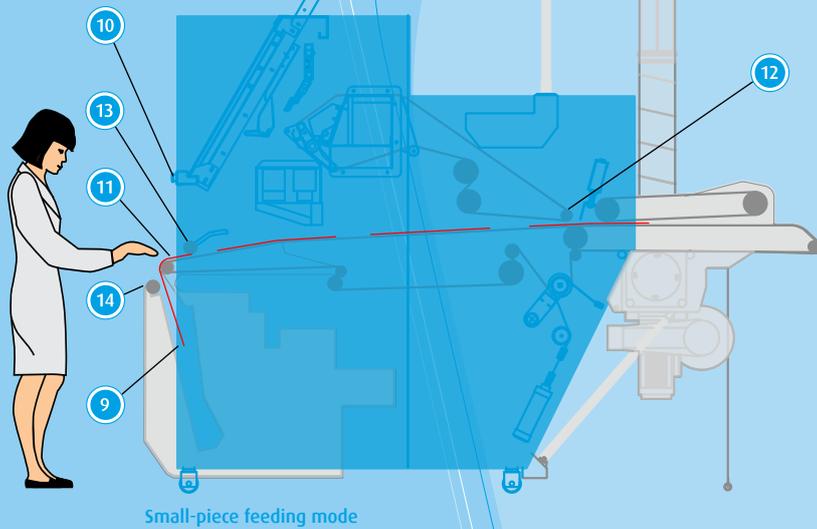
During transfer of the leading edge to the pivotable inlet conveyor, the conveyor pivots up towards the spreading clamps in order to minimize the transfer distance. This technique, being combined with vacuum under the inlet belts ensures optimum transfer quality.

Quality treatment

Before entering the ironer, the linen is fully stretched by means of a sandwich conveyor 6 working together with scraper plates 7 and a feeding conveyor 8 which due to a higher speed functions as a stretch conveyor

9 Feeding conveyor

As an optional feature, the feeding conveyor can be supplied with spreading belts. Air blast pipes positioned after the stretch conveyor are available as an optional feature, preventing bent corners of the linen at the leading edge. As an option for high-quality purposes, the machine can be supplied with a direct feeding conveyor with vacuum under the belts, ensuring optimum grip of the linen.



Small piece feeding

9 Retractable vacuum box

The retractable vacuum box for small-piece feeding provides top-quality feeding of small pieces in 3-6 lanes.

When changing to small-piece mode, the retractable vacuum box automatically moves forward by activating a joy stick. The feeding clamps 10 automatically move up and out of the way, ensuring optimum ergonomic working conditions in front of the inlet conveyor 11.

The spreading belts automatically stop, and the conveyor lane 12 move to bypass position, allowing the linen to pass underneath.

Feeding small pieces

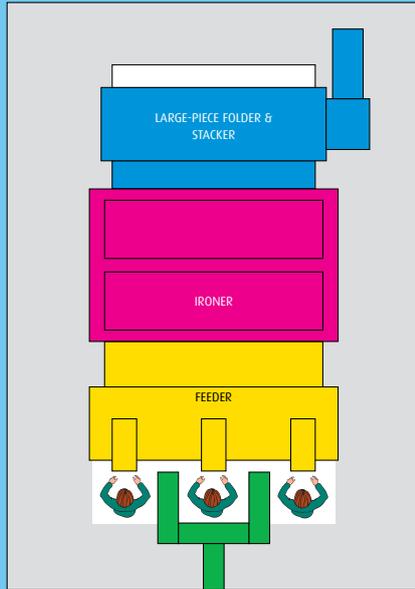
By means of optional non-driven pressure rolls 13 in each lane, the feeding of small pieces can be done fast and accurately. The pressure rolls press air out of pillow cases, and help the operators to position the linen correct in lane centre.

By combining the pressure rolls with a driven roller 14 the trailing edge of the linen is instantly sucked into the vacuum box and stretched, while the leading edge of the linen is held firmly to the inlet belts. Spreading plates in each lane ensure that each piece of linen is spread and fed with a very high quality, disregarding linen type, linen thickness or feeding speed.

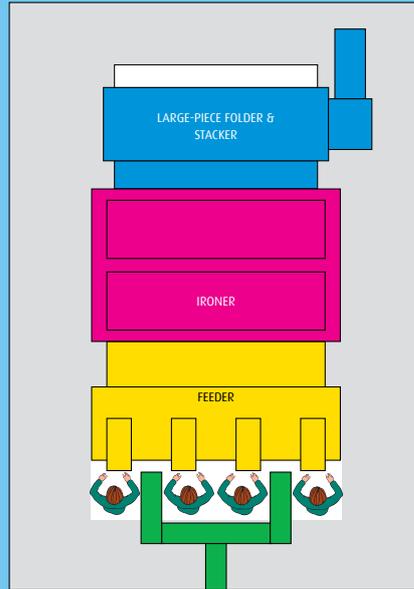
Manual feeding of round pieces

Small-piece feeding without activating the vacuum in the suction box is possible, and may be the preferred solution when positioning round table linen manually on top of the feeding table.

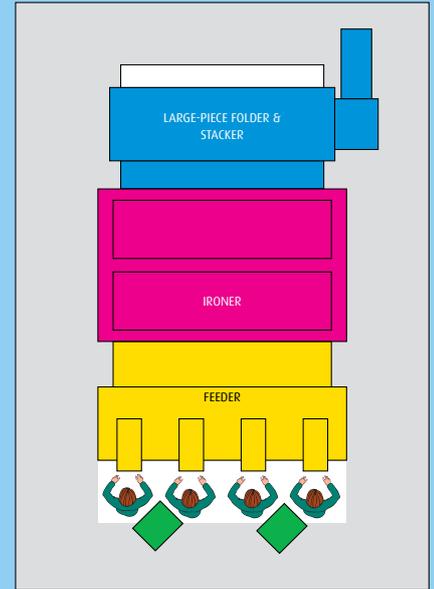
Examples on typical installations



Feeding position with 2 delivery conveyors between 3 feeding stations



Feeding position with 2 delivery conveyors between 4 feeding stations



Feeding position with trolleys between operators

Models available:

1-lane operation

3 or 4 feeding stations

Small-piece feeding in 3 to 6 lanes

Working width: 3300 and 3500 mm.

Max. capacity:

1100 pcs. per hr. in 1-lane operation*

*Standard sheet 1600 x 2600 mm.

Like any JENSEN feeder the Logic can be configured to meet different requirements. Please consult JENSEN to have the machine configured according to your requirements.

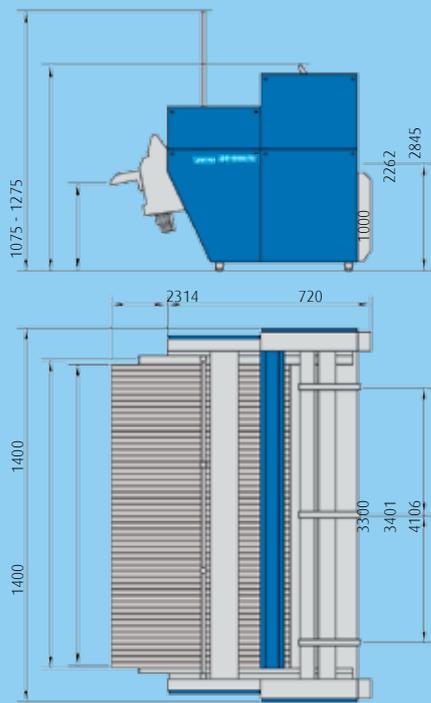
Standard features, large piece feeding:

- Jentrol HMI PLC control system and operating panel with touch screen and digital counters.
- Feeder speed synchronously adjusted to ironer speed.
- Feeding stations operating according to the principle "First in First out".
- Individually adjustable clamp height between 1095 mm and 1275 mm.
- Inspection light panel in front of machine.
- Automatic start of clamps.
- Double spreading belts.
- Suction box with driven roller.
- Vacuum-supported transfer.

- Spreading system with toothed belt drive.
- Different spreading tension in each category.
- Soft spreading feature for high quality.
- Air blast pipe to treat leading edge corners.
- Air blast pipe to treat the trailing edge.
- Conveyor stop and stretch conveyor including liftable pressure roll for on/off.

Standard features, small piece feeding:

- Retractable feeding belts.
- Suction box with driven roller.
- Spreading plates in each lane.
- Non-driven press rollers in each lane.



Example on typical layout.
All measures in mm.



15 Jentrol HMI PLC and control system hith touch screen



15 Jentrol HMI PLC and control system with touch screen

Accurate feeding requires ultra fast and accurate control. The Jentrol HMI PLC control system represents the recent and most advanced PLC control system with touch screen ensuring optimum control of the feeding parameters. On ironerlines for high-quality purposes especially, it is an important factor to ensure the accuracy of the feeding, spreading and vacuum functions, and the correct speed and control through the entire ironer line in general.

Easy to use man-machine interface

The Jentrol HMI control system features a fast and accurate processor, an easy-to-use man-machine interface, multi-language facilities and an option for remote system service.

Detailed information:

The Jentrol HMI provides detailed information per customer, and per article and up to 99 different categories, giving the following informing:

- Piece count per category, in total, per station, and per item for rewash and repair
- Visualization of production status
- Events, such as jam, recent alarms, and errors
- Data logging storing information for 1 year
- Updated at each category change

Installation

JENSEN is pleased to assist you in planning your laundry providing excellent consulting, layouts and technical data. Authorized JENSEN distributors or JENSEN engineers should carry out the installation to ensure the correct performance.

Service

In addition JENSEN provides an extraordinary after sales service through a worldwide network of highly qualified Sales and Service Centers and distributors, all with their own maintenance and spare parts services.

Call us...

JENSEN provides a complete range of heavy-duty equipment for the laundry industry, delivered and installed according to your specifications. Please do not hesitate to contact us for further advice and information, or visit www.jensen-group.com

Local contact