



Jenfeed Variant 2000

Large and Small Piece feeder
for high-quality purposes

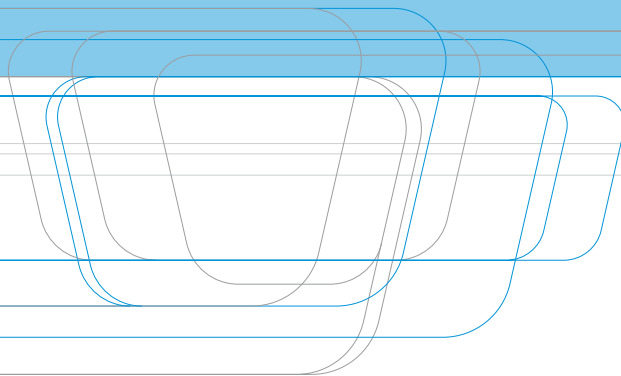




Large piece feeding from two feeding stations positioned at each side of the machine



Large piece feeding from lane centre



Application

The Variant 2000 is a multi-purpose feeder especially designed for laundries requiring top-quality feeding of table and bed linen. Experiences gained from more than 900 Variant feeders sold throughout the world have refined the feeding quality to be state-of-the-art within the laundry industry.

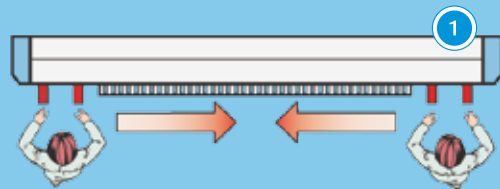
The Variant 2000 can feed large pieces in 1 lane, 2 lanes, or combined 1&2 lanes, with automatic 1&2-lane operation as an optional feature, and on each model small piece feeding is available in 3-5 lanes as an option.

The two operators standing in front of the Variant 2000 can operate the machine either from each side of the machine, or alternatively directly from lane centre, depending on linen type and size to be processed.

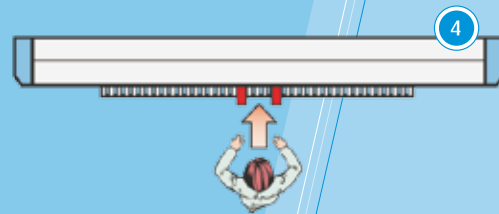
Jenfeed Variant 2000

Top-quality feeding of
table and bed linen

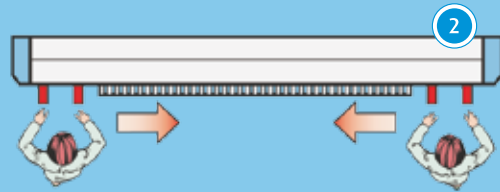




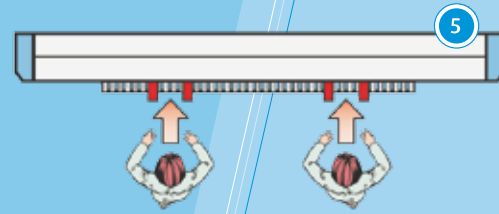
Feeding in 1 lane from each side.



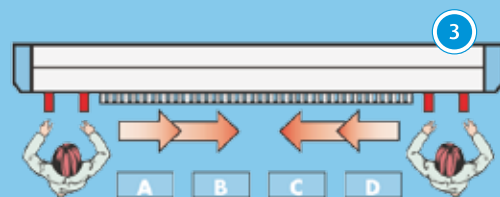
Feeding in 1 lane from lane center.



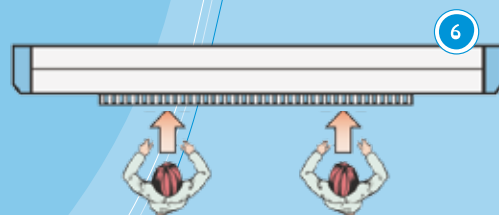
Feeding in 2 lanes from each side.



Feeding in 2 lanes from lane center.



Automatic 1&2-lane operation (Option)
A and D are fed in 2 lanes - B and C are fed in 1 lane.



Manual feeding of narrow pieces on the vacuum beam in 2-lanes.

① Sideways feeding in 1 lane

Two operators feeding the linen from each side of the machine ensure optimum capacity in 1-lane operation. When the two corners of the linen have been clipped into the spreading clamps, the clamps bring the piece of linen into lane centre and spread it. In this mode the pieces are fed according to the FIFO principle (First in - First out).

② Sideways feeding in 2 lanes

Two operators feeding the linen from each side of the machine is the preferred solution when feeding long pieces in 1 and 2 lanes combined with a pit in the floor.

③ Sideways feeding in 1&2 lanes

In this mode the machine can automatically centre the piece of linen in the lane centre for 1 or 2 lanes, depending on the linen size, without having to change program (option).

④ Centered feeding in 1 lane

Feeding of large pieces directly from lane centre is of special interest when feeding long pieces without a pit in the floor. As in this situation the linen is not drawn from the side of the machine into the lane centre, the side edges of the linen remain straight. The feeding position is selected by positioning the clamps in lane centre, subsequently the feeder automatically returns the clamps to this position after spreading.

⑤ Centered feeding in 2 lanes

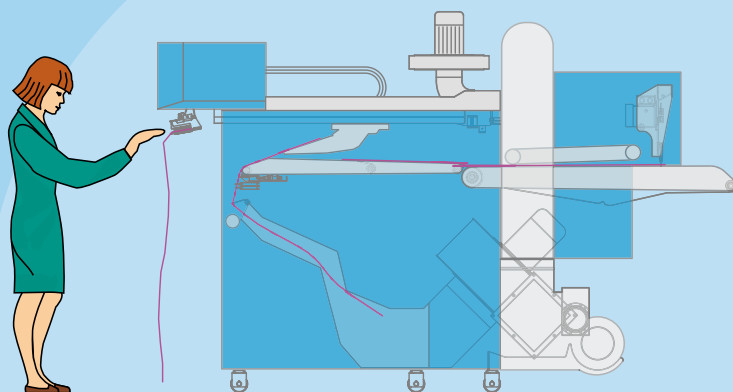
Feeding of large pieces from the lane centre in two lanes ensures the same advantages as described for centered feeding in 1-lane operation. Furthermore, the distance of motion of the two sets of spreading clamps is reduced compared to sideways feeding, thus increasing the feeding speed and reducing the wear and tear of the mechanical parts.

⑥ Manual feeding of narrow pieces on the vacuum beam in 2 lanes

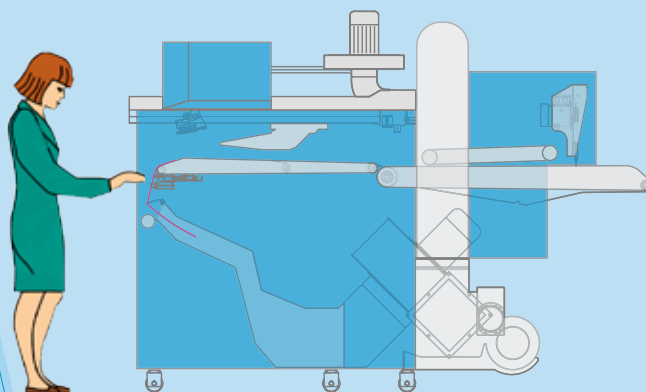
When feeding narrow pieces of medium length, the operator can position the leading edge of the linen directly on the vacuum beam instead of on the inlet belts. This will improve the feeding accuracy and ensure correct overlapping, as the leading edge will be laid down onto the vacuum supported feeding belts by the vacuum beam like in large-piece mode.

⑦ Large piece feeding

No matter which feeding mode for large pieces is chosen, the Variant 2000 will provide top-quality feeding results for all types of linen. This is provided by combining an adjustable spreading tension per finishing code with an intelligent vacuum system for light and heavy linen, and by spreading brushes at the entry and a stretch conveyor with optional spreading brushes at the outlet conveyor.



7 Large piece feeding

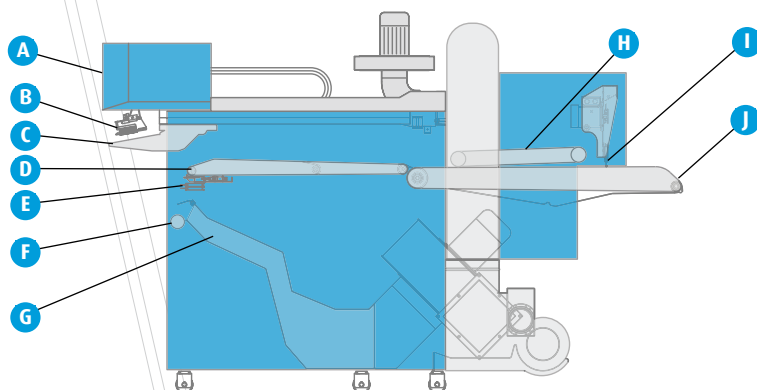


8 Small piece feeding

8 Small piece feeding (option)

When changing from large-piece mode to small-piece mode, the top of the feeder incorporating the spreading clamps is moved away from the operator. In this way the operators standing in front of the machine have easy access to the height-adjustable feeding table.

Vacuum under the feeding belts combined with a driven roller makes feeding of small pieces fast and easy, as the trailing edge of the linen is instantly sucked into the vacuum box and stretched when the leading edge of the linen is positioned on the feeding belts. By combining vacuum and spreading plates in each lane, each piece of linen is spread and fed with a very high quality.



Typical machine configuration:

- A Retractable spreading beam
- B Spreading clamps with auto-start and adjustable spreading tension
- C Vacuum beam in 1-2 lanes
- D Vacuum supported feeding conveyor
- E Spreading brushes in 1-2 lanes for large-piece mode, and spreading plates in each lane for small-piece mode
- F Pick-up roller
- G Suction box with adjustable vacuum
- H Stretch conveyor with liftable pressure roll
- I Spreading brushes in 1-2 lanes for large pieces
- J Delivery conveyor

JENSEN

THIS PART TO BE CUT OFF



9 Vacuum fixing at the entry



10 Stretch conveyor on the delivery conveyor



Top-quality finishing result with straight, flat, and exact edges

9 10 Top-quality finishing

A vacuum fixing at the entry of the machine 9 combined with vacuum under the belts ensure an optimum grip of the linen during the entire feeding process. In this way the system prevents the linen from sliding and being displaced, while at the same time the leading edge as well as the trailing edge are stretched.

Spreading brushes treat the side edges of the linen, while a stretch conveyor 10 mounted on top of the delivery conveyor performs a final stretching of the linen before the leading edge of the linen enters the ironers chest. An optional air blast pipe placed after the stretch conveyor and the optional feature "trailing edge treatment" placed just before the ironer's first chest, will give a final touch to the linen and a top-quality finishing result.

JENTROL MMI PLC and control system with touch-screen

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

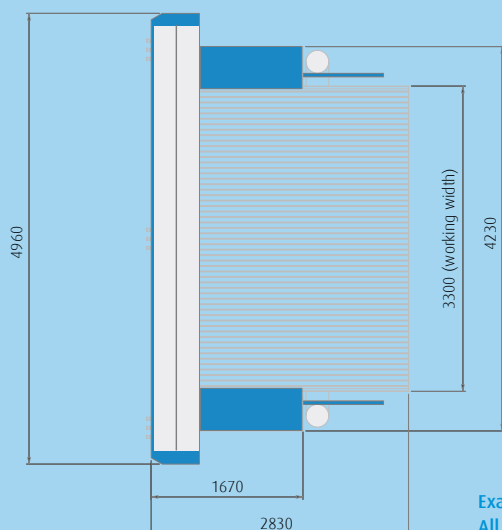
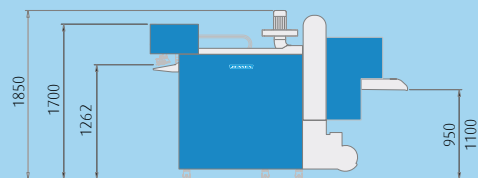


Easy to use man-machine interface

The Jentrol MMI control system features a fast and accurate processor, an easy-touse man-machine interface, multi-language facilities and an option for remote system service. The PLC control allows you to operate with sorting on stackers, automatic lane combination, integrated finishing line control from feeder end, variable speed, etc. Remote control of folder from feeding takes place through separate panel or feeder panel.

Detailed information in up to 99 different finishing codes, informing about:

- Minutes in operation since reset of finishing code
- Piece count per finishing code, in total, per station, rewash, and repair
- Events, such as jam, recent alarms, and errors



Example of typical layout.
All measures are stated in mm.



Models

Variant 2021 - 1 lane operation

Variant 2022 - Combined 1&2 lane operation

Small-piece feeding in 3-5 lanes (option)

Working width: 3000 - 4000 mm.

Like any JENSEN feeder the Variant 2000 can be configured to meet different requirements. Please consult JENSEN to have the machine configured according to your requirements.

Max. capacity*

1-lane operation: 800 pcs/hr.

2-lane operation: 2x500 pcs/hr.

*Depending on linen size and mix.

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 Centres 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

www.jensen-group.com