

The ultimate solution for 5 star hotels

ALPHA 15

Space-saving, top-quality finishing of flatwork
by the flexible chest



High evaporation

In order to realize the highest possible evaporation capacity with the installed steam boiler capacity, it is essential to optimize the heat transfer from steam to linen. JENSEN has carried out extensive studies and tests on new methods of conducting the steam through the chest. The key to an optimum heat transfer is a turbulent steam flow in the chest combined with a flexible chest ironing the linen by use of carbon steel. Carbon steel has a low friction with wet linen and the flexible chest provides an optimum contact angle to the padded roll. The combination ensures optimum finishing quality and minimum energy consumption on limited floor space.

Fast feeding and top quality

The ALPHA I5 can be supplied with 3 different types of feeding tables, ensuring optimum ergonomical working conditions in front of the ironer. The extended feeding table ① is recommended for feeding large as well as small piece linen, and it is especially suited for feeding round table linen ② as it allows the operators carefully to guide the linen into the ironer. The extended feeding table offers optimum ergonomic working conditions to the operator, and an excellent visual inspection of the linen. The optional built-in feeder ALPHA F5 ③ incorporating a vacuum box ensures optimum feeding quality of large as well as small pieces, as the linen is stretched by the vacuum suction function during the feeding process.



ALPHA I5 combined with a feeder, folder and a stacker.



Small-piece feeding on extended feeding table



Feeding round table linen on extended feeding table

4 Flexible chest

The flexible chest consists of two layers of sheet metal welded together in a special designed matrix pattern by a laser. The design of the steam channels provides optimum heat distribution of the steam in the chest, and ensures that the chest has a uniform temperature over the entire surface. The advantage of a flexible chest is that it adapts to the roll like a band-brake. This way, a full contact angle is maintained, resulting in an up to 50 % higher capacity over time compared to a fixed chest 5 of a traditional ironer.

Exhaust control

Exhaust control is essential for adjusting each roll to the optimum vacuum in order to prevent the padding from becoming moist and at the same time the roll from

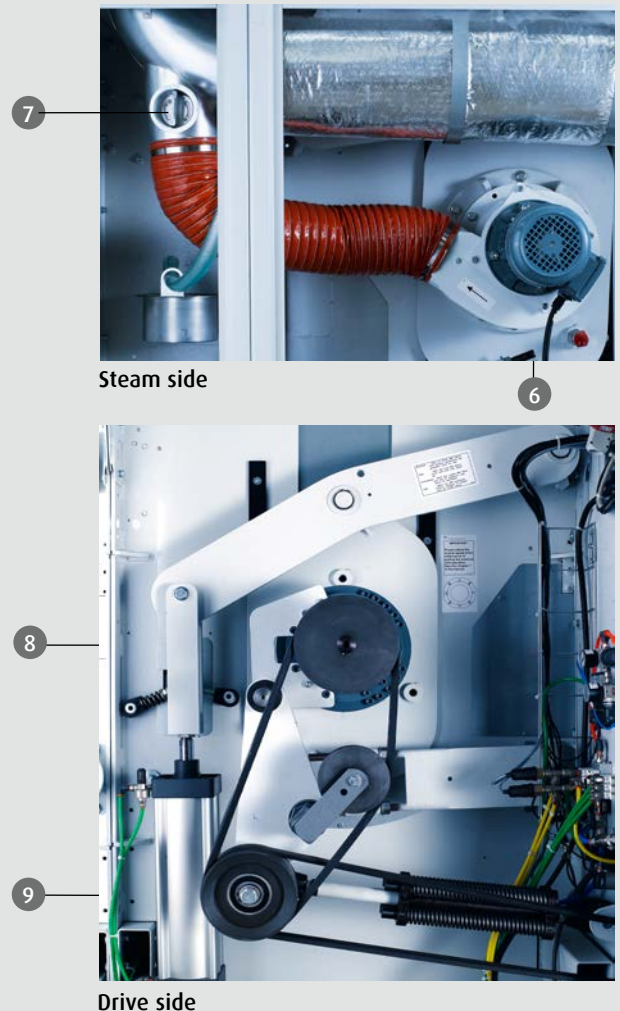
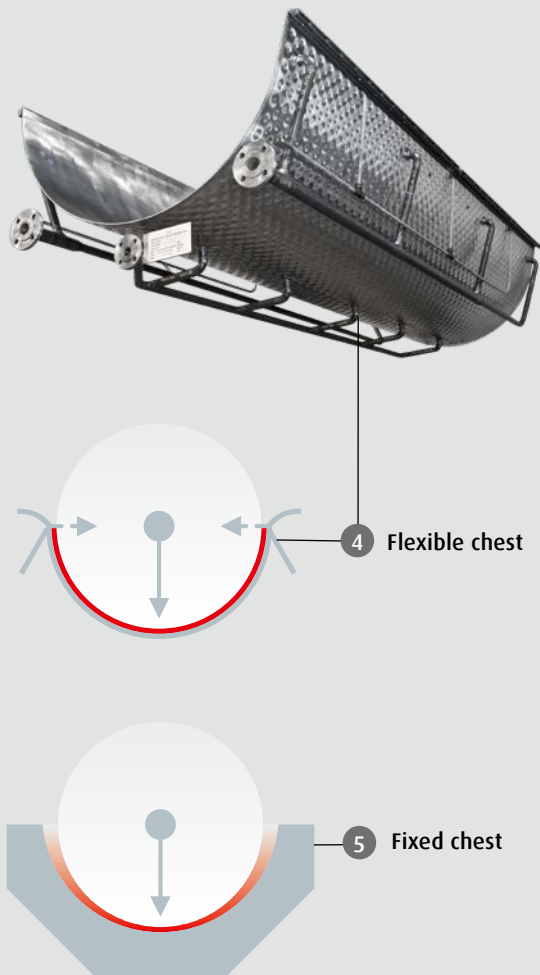
cooling down. In the ALPHA 15 the exhaust is ensured by a fan on each roll 6 with a manually adjustable throttle valve 7 which is connected to the main exhaust duct at the rear of the ironer. The valves are positioned with easy access at the steam side of the ironer.

8 Planetary gear

The planetary gear minimizes the counter torque and ensures that the roll will stay in its centered position during operation.

9 Adjustable V-belt pulleys

By using adjustable v-belt pulleys it is possible to adjust the speed of each individual roll independently of each other, thus ensuring optimum finishing quality and longer lifetime of linen and padding.



Top-quality finishing

Top-quality finishing requires top-quality feeding, top-quality ironing, and top-quality folding and stacking. During almost 60-years in the laundry industry, JENSEN has grown from being the leading supplier of finishing technology to be the preferred supplier of turn-key solutions, providing a solution for all sectors within modern heavy-duty laundries.

JENSEN references

JENSEN is the largest manufacturer of heavy-duty laundry equipment in the world, and the preferred supplier to the leading hotel groups, the leading linen rental groups as well as individual laundries serving the healthcare sector and the hospitality sector.

Worldwide references

JENSEN is the world leading supplier of heavy-duty ironers, having delivered more than 2,500 ironers providing top-quality ironing and low-energy consumption to the industry. With a record sale of more than 10,000 folders and stackers to the laundry industry all over the world, JENSEN has the experience and know-how to guarantee trouble-free finishing of all kinds of flatwork, ranging from high-capacity ironer lines for hospital linen to top-quality finishing of bed and table linen for high-end hotels and restaurants.



ALPHA 15 combined with a folder and a stacker.



Perfect table linen



Impeccable bed linen

JENSEN develops and delivers equipment according to the “Finishing Line Philosophy” that claims that a finishing line should form one single system as explained in the six steps below

A Easy to install

The ALPHA I5 serves as a distribution center for power and compressed air to the other equipment in the finishing lines, so the folder can easily be connected by the build-in pipes.

B Easy to operate

It is possible to control the entire finishing line from the control panel. By changing the category, the speed of the finishing line and the folding program are automatically changed.

C Easy service and maintenance

The ironer tape tensioning devices are positioned at the front of the ironer giving easy access from floor level. By using maintenance-free technologies such as e.g. V-belts, frequency inverter, etc., maintenance is reduced to a minimum.

D Easy to control

The Jentrol HMI control system **10** features a fast and accurate processor, an easy-to-use man-machine interface, multi-language facilities and an option for remote system service. Depending on selection of options, the panel will show the following operating data:

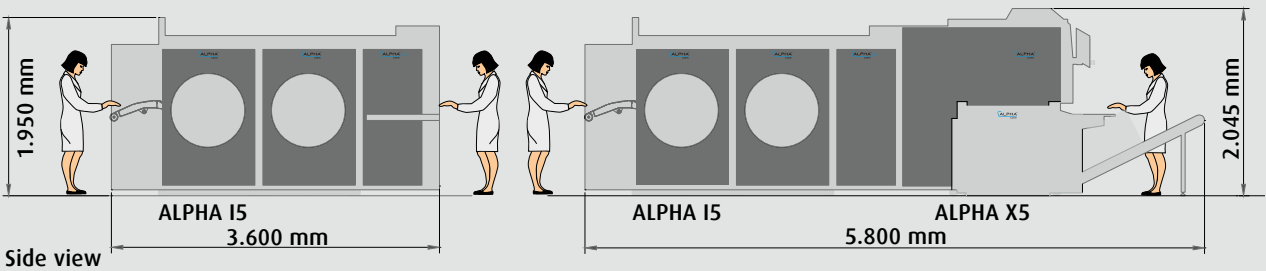
- Start/stop of motor
- Ampere consumption
- Raising and lowering of rolls
- Speed indication

Optional features:

- Inlet temperature of steam
- Temperature before steam traps
- Temperature after steam traps
- Exhaust temperature
- Slow-start valve
- Cyclone

E High availability

Being designed and built in a JENSEN factory, JENSEN has insisted on the highest standards of design and components for the ALPHA I5, based on the experience from



10 ALPHA I5-panel with color touch screen and multi-language facility

supplying more than 2,500 ironers all over the world. This ensures optimum availability for production in the laundry at all times.

F Operator safety

All machines in a finishing line are connected in the same emergency stop circuit, which means that in case of an emergency stop, the entire finishing line will stop.

11 ALPHA I5 finishing unit

The ALPHA I5 is available as a stand-alone finishing unit with a delivery table **12** for manual folding.

13 ALPHA I5 finishing line

When combining the ALPHA I5 with an ALPHA X5 folder

14 you increase the output of the ironer line. Furthermore, the folder delivers a constant and uniform folding quality, providing the same high finishing quality every day. The linen can be delivered on an outlet table **15** or stacked on an integrated stacker **16** controlled by the folder. In any case, unfolded linen or linen having received primary folds only, can be sent to the rear table. **17**

ALPHA I5 800 / 1200

Number of rolls: 1, 2, 3 rollers

Roll diameter: 800 or 1200 mm

Working widths: 3000, 3300 and 3500 mm

Steam pressure: 5,5 to 14 bar

Installation

JENSEN is pleased to assist you in planning your laundry by providing excellent advice, layouts and technical data.

Authorized JENSEN distributors or JENSEN engineers should carry out the installation to ensure that it is performed correctly.

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

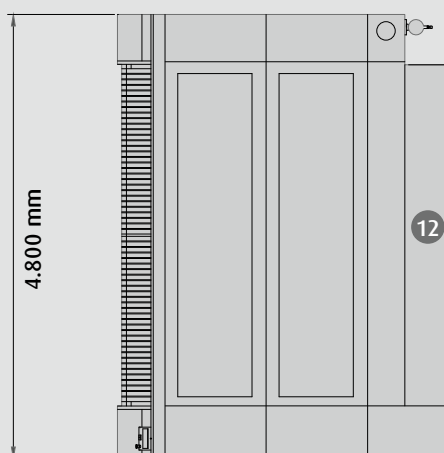
Local contact

www.jensen-group.com

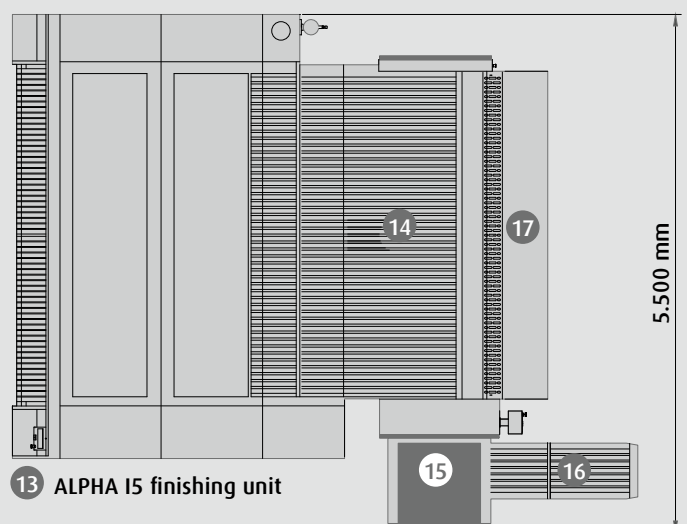
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equipment on



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11 ALPHA I5 finishing line



13 ALPHA I5 finishing unit

Top view

Note! layouts shown with extended inlet table