

EASYFOLD®



EASYFOLD explanation

After leaving the ironing roller, the ironed laundry is directed by the **directive device (01)** into the space between the **ironing belts (02)** and the contrarotating belts of the **delivery conveyer (03)**. By concurrent motion of the ironing belts and the delivery conveyer belts, laundry is directed to the **spacing point of the belts (04)**. The delivery conveyer belts are driven by a roller which is constantly driven together with the ironing roller and the ironing roller drive.

Due to the gradient of the delivery conveyer belts, the coefficient of friction between the belts with laundry, and the speed of the belts of the **folding table (05)** in operation, laundry is stretched evenly to both sides (when moving both forward and backwards) while the reversible conveyer of the folding table oscillates.

This combination ensures that the end of the laundry does not uncontrollably fall on the belts of the folding table the moment it leaves the contact point with the ironing belts.

Advantages of the new system

1. While operating, the delivery conveyer belts (03) are always faster than those of the ironing device, which partly ensures that **laundry is completely ironed and stretched before being put on the belts** of the reversible conveyer of the folding table (05), thus ensuring **higher quality of folding**.

Correct approach of the edge of the laundry to the belts of the folding table is achieved by shortly speeding up the belts in the respective direction above the speed level necessary for folding, before the front part of the laundry touches the folding table.

2. The delivery conveyer belts (03) are made of heat-resistant polyester with an addition of stainless fiber. The combination of such belts and a grounded stainless bottom tube in the frame of the delivery conveyer functions as a grounded discharge device **helping to reduce the level of the electrostatic charge** of laundry.
3. Stretching of the conveyer belts (03) together with the "assembling allowance" (allowance in a state without laundry) between the belts are of such intensity that the delivery system **enables smooth passing of laundry ranging from minimum thickness up to laundry (multiple folded, multilayer,...) with thickness limited only by the width of the space under the safety strip of the admission table (~10 mm)**.
4. A short-range optic sensor (08) for measuring the length of laundry is put in the delivery conveyer; it does not need any refracting surface for its operation. This fact significantly **reduces the risk of the device being out of order** due to impurities as well as it makes constructing this functional unit much easier.
5. The location and fixing of the antistatic electrode (07) enable its **easy assembling and disassembling**.

