FLEXFOLD AG220

FOLTEX

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The FLEXFOLD AG220 is the ideal folding machine for laundries processing a wide range of tumbler dried linens such as garments and towels.

Besides its unsurpassed ability to automatically fold and stack towels and sheets of various sizes, the FLEXFOLD AG220 is also capable of folding apparels such as t-shirts, polo shirts, undershirts, scrubs, hospital garments, uniforms, pants, and even overalls—making the FLEXFOLD AG220 the most flexible automatic garment folder in the market!

The FLEXFOLD AG220 can be provided with up to four stacker stations, giving operators the ability to randomly process up to four items per program. These items are then automatically identified, folded and dispatched onto a dedicated stacker station.

Once a stack reaches its predetermined height, the unit neatly transfers it onto a final delivery conveyor belt located at either the left or right side of the unit and delivers it to either the front or the rear of the machine.

The FLEXFOLD AG220 can fold items up to 220 x 120cm (86 x 47").

OPERATION

The linen is placed on the feeding conveyor which can be set to one of three operating modes to maximize quality: manual which feeds the linen after pressing a push button (mostly used for garments with sleeves), auto-detect which automatically starts the conveyor once a sensor is covered, and continuous mode.
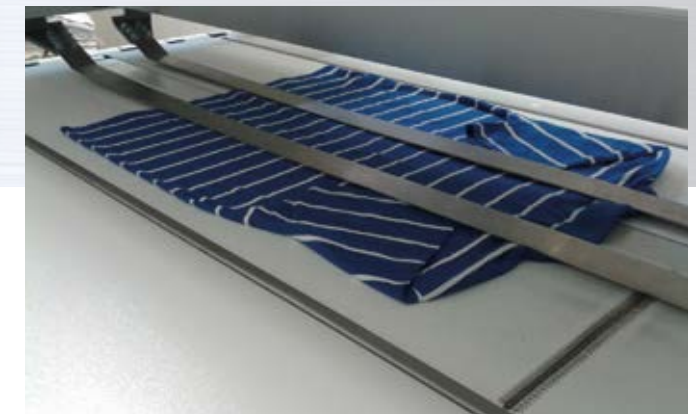
Apparels can be fed with shoulders facing up so that long sleeves can easily be hand-folded. Short-sleeved garments usually do not require any manual folding.

The unit's ability to pause for manual adjustment of trailing edges makes it possible to consistently process more challenging items such as fitted sheets.

LONGITUDINAL (PRIMARY) FOLD PRINCIPLE

Once the piece enters the longitudinal fold section, the item is identified by measuring its length. The longitudinal/primary fold(s) are accomplished by a combination of position-controlled folding templates and air blasts. The measuring of each item combined with a large primary fold section allows operators to process mixed batches containing a wide range of sizes.

CROSSFOLD PRINCIPLE

After leaving the longitudinal/primary fold section, items enter the crossfold section where up to two crossfolds can be created. The FLEXFOLD AG220's unique ability to process apparels with shoulders facing up makes it possible to quickly feed short and long items.
In order to secure stable and high quality folds, both crossfolds are made by air-assisted reversing belts. A neatly folded package is obtained by continuously pressing the items between belts as they move through the machine. Top-quality stretch belts ensure that the thickness of the linen does not affect folding quality.

Once folded, apparels are delivered with collars facing up.

SORTING & STACKING PRINCIPLE

Once the crossfolds are completed, the items are sorted onto one of the (lifting) stacker stations. As soon as the stack reaches the predetermined height, a retractable conveyor neatly transfers the items onto the final delivery belt.

OPTIONS

- **Longitudinal fold made by folding blades instead of air.**
- **Production monitoring system.**
- **Multiple stacker stations for automatic sorting.**
- **Lifting stacker(s).**
- **Shorter version for locations with limited floor space.**

CONTROL SYSTEM

The FLEXFOLD AG220 has a user-friendly color touch screen that makes it easy for novice operators to modify and create folding programs. The unit is controlled by a PLC for added reliability. Up to 60 different folding programs can be created; each able to process up to four different items. Data can be conveniently backed-up on a USB flash drive. Production statistics are available as well.

TECHNICAL SPECIFICATIONS

Maximum piece length:	220cm (86")
Maximum piece width:	120cm (47")
Electrical consumption:	1.7 kWh (2.3 HP)
Power supply:	
	3 x 220-240V, 50/60Hz or 3 x 380-400V, 50/60Hz
	3 x 208V, 60Hz or 440-480V / 60Hz
Air consumption:	15 m3/hr (8.83 CFM)
Air pressure:	6 bar (87 PSI)

Machine dimensions without delivery conveyor*:
 369 x 141 x 137 cm (lxwxh)
 145x55x54" (lxwxh)

Machine dimensions with delivery conveyor*:
 476 x 194 x 137 cm (lxwxh)
 187x76x54" (lxwxh)

Machine weight: 1500 kg (3,306 lb.)

*Shorter version has a length of 319cm (126")