



FlexStack R0500



The FlexStack R0500

The FlexStack R0500 is a state-of-the-art, small-piece folding and flat-stacking machine. The FlexStack R0500 is principally designed to process ironed pieces like napkins or tumbler dried items such as face cloths, bar mops, cleaning mops, kitchen towels or any other flat piece with maximum dimensions 700 x 500mm. The FlexStack R0500 can be used as either a stand-alone unit or it can be installed at the rear of a regular ironer / sheet folder. The FlexStack R0500 is able to stack both folded as well as unfolded pieces.



HOW DOES IT WORK?

The FlexStack RO500 is able to count, fold and stack pieces. Pieces can either be folded laterally once before being stacked, or, they can be simply flat-stacked. Pieces are fed on an infeed conveyor, which is designed with clearance beneath for a conventional laundry trolley in order to facilitate feeding.

If the machine is used behind the ironer, the pieces are taken from the ironer/folder by the intake conveyor. This conveyor uses a 0-10V input from the ironer / folder for synchronised speed control.

The pieces are folded by means of a reversing belts in combination with an air-blast. By keeping the pieces confined between the two sets of transport belts, high-quality, consistent folding is achieved. After the folding section, the pieces are directed towards a high speed roll-off stacking system. As soon as piece reaches its position on the slide, it stops and the slide is



retracted. The retracting movement is carried out by 2 oversized cylinders and controlled by an intelligent linear encoder. This way the movement is carefully monitored and controlled, ensuring a long operating lifespan.

Pieces are collected on a lifting stacker. Once its preset stacking height is reached, the pile is put on the final collection belt. A couple of piles can be stored. As the speed and height of the final belt is adjustable it is easy to synchronise with any external packing machine.

The FlexStack RO500 has a PLC based control system and colour touchscreen. Creating or changing a folding program is very simple, due to operator-friendly layout and simple menu settings.

TECHNICAL SPECIFICATIONS

Max. piece dimensions if folded once: 700x500mm / 28"x20"

Max. piece dimensions without fold: 350x500mm / 14"x20"

Max. production capacity: 2000 pcs/hr

Max. piece stack height: 50 pieces
(depending on item thickness)

Air pressure: 6 bar

Air connection: 13mm

Air consumption: 10 m³/hr

Power supply: 3 x 380V/415, 50/60Hz or 208/240V, 50/60Hz
(other supplies on request)

Power consumption: 1 kWh

Machine dimensions: 260x102x147cm / 102"x40"x58"



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