SATURN

Bedskirt Folding System

The Saturn makes high quality folds of bedskirts. All lateral folds are accomplished with reverse conveyors. The first two crossfolds are made by mechanical blades over adjustable skies. 3rd and 4th crossfolds are made by mechanical folding arms and a pressing arm which keeps the bedskirts under compression to ensure fold quality. Folded Bedskirts are stacked in two troughs by our advanced Fold-N-Stack unit.

- **Advanced Design**

- **Precise Folds**

- **High Speed Operation**

- **Jam Prevention System**

- **Reduced Maintenance**

Advanced Solutions for Textile Manufacturers

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Advanced Automation & Folding Systems

SATURN BEDSKIRT FOLDING SYSTEM
Specifications

- Machine will fold Bedskirts/Dustruffles of various material types and sizes: twin, full, queen, king, calf. king. The ruffles will be shown outside on 5 of the 6 sides of the package.

- Bedskirts will be folded by 4 lateral folds and 5 crossfolds to a final size of 6" x 9" to 14" x 14" .

- Bedskirts will be manually fed into the folder's inlet conveyor. Items will be fed face down with the side without ruffles as the leading edge.

- Machine will fold up to 10 bedskirts/minute, depending on item size and feeding rate.

- 1st and 2nd lateral folds are accomplished with reverse conveyors and air blast assistance. 3rd and 4th lateral folds are accomplished with reverse conveyors and knife assistance.

- 1st and 2nd crossfolds are made by mechanical blades over adjustable skies. 3rd and 4th crossfolds are achieved by mechanical folding arms and a sandwich conveyor which keeps the bedskirt under compression to maintain its folds.

- The 5th crossfold is accomplished by a Fold-N-Stack unit which uses mechanical arms with knife assistance in order to fold the item.

- As the last fold is accomplished, the item is stacked vertically on one of two troughs. 1st quality items are stacked on the 1st trough, and 2nd quality items are stacked on the 2nd.

- 2nd & 3rd quality sorting is made by operator using push-buttons on the inlet conveyor.

- Machine is equipped with (3) lights and an audio alarm: Production Speed Monitor (green/red), Cardboard Unit Monitor (yellow), Machine Jam (red + audio alarm).

- Machine is controlled by a high speed computer (PLC) with up to (70) folding programs. Operator interface is a 10.4" color active matrix touch screen which displays trouble shooting messages and allows for output tests. The PLC can be linked to an office computer for data collection (optional).

312" 792cm

300" 762cm

Electric Connection:
220VAC +-5% 3 Phase
60HZ 7KW (380V 50HZ)

Air Connection:
1" ~10cfm

Troughs Length
Can Vary From
6' to 18'
1.8m to 5.5m

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