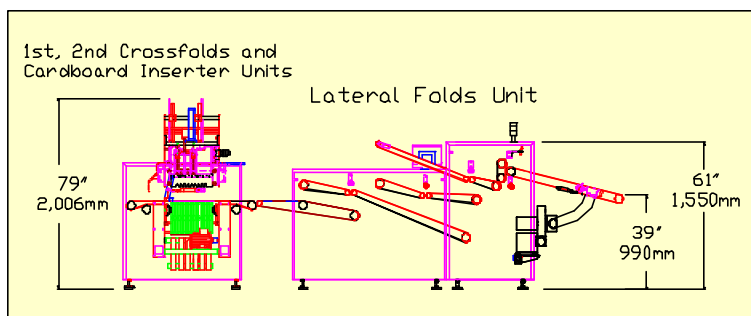
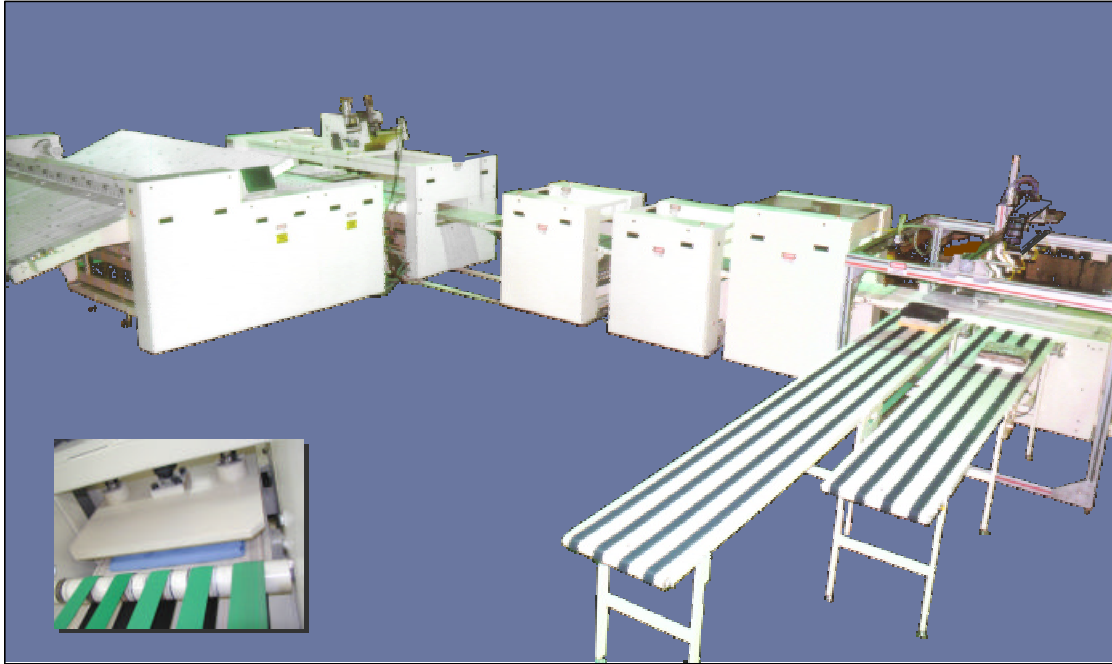


# STEALTH

## Flat Sheet Folding System



The Stealth folding system provides high quality folds of flat sheets including flannel, satin, sheets with ruffles/piping; showing or hiding the border. A cardboard can be inserted in the 1<sup>st</sup> crossfold. Folding capacity is up to 900 sheets/hour.

- **Advanced Design**
- **Precise Folds**
- **High Speed Operation**
- **Jam Prevention System**
- **Reduced Maintenance**

# STEALTH FLAT SHEET FOLDER

## *Specifications*

- Machine will fold various sheet types including **flannel, satin, institutional, sheets with ruffles, and sheets with piping.**
- Folding Capabilities:
  - Final folded size range: 5" x 7" to 14" x 14", depending on sheet size. A folded size smaller than 7" x 9" requires our *Fold-N-Stack* unit which makes an additional crossfold, and stacks the item.
  - Maximum sheet length: 228"; Maximum sheet width: 120"
  - 5 lateral folds + 4 crossfolds
  - Will show border all around sheet (when feeding face up and border is on leading edge) or hide border
  - Capacity: up to 15 sheets per minute, depending on sheet length and feeding speed
- The inlet conveyor of the folder can be connected to a sewing system. Front section of inlet conveyor can collapse toward the floor in order to provide space between folder and sewing system for maintenance access and manual feeding of sheets into the folder.
- A vacuum suction unit is built into the second section of the inlet conveyor to help with manual feeding.
- 1st lateral fold is accomplished by an air blast between pinch rolls. 2nd, 3rd, 4th & 5th lateral folds are accomplished with reverse conveyors and air blast assistance.
- 1st & 2nd crossfolds are accomplished by a knife between pinch rolls. 3rd & 4th crossfolds are accomplished by mechanical folding arms.
- 1st & 2nd crossfold section will move automatically left or right on wheels in order to align the sheet with the correct folding position when the sheet is fed from a sewing system (optional).
- Cardboard unit can insert a cardboard into the sheet at 1st crossfold (optional).
- 1<sup>st</sup> and 2<sup>nd</sup> quality sheets will be stacked by a **Pickup & Place** stacker with (2) index conveyors. This unit uses a robotic arm to pick up each folded sheet, and stack it on the assigned index conveyor (optional).
- The **Fold-N-Stack** unit enables a final folded size of 6" x 8" to 14" x 14". It makes an additional crossfold by mechanical arms with knife assistance. It then stacks each sheet vertically on the assigned 1<sup>st</sup> or 2<sup>nd</sup> quality index conveyor (optional).
- Pressing unit presses down each folded item to enhance package quality (optional).
- Second & third quality sorting is by push buttons on the inlet conveyor. Second quality will be stacked on second stacker (optional). Third quality will be folded, bypass all stackers and exit the folder.
- All drive motors are controlled by frequency inverters (not used in stacker index conveyor motor).
- 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 12" touch screen which displays trouble shooting messages and allows for output tests. Computer can be linked to an office computer for data collection (optional).

