

## UPGRADE BENEFITS

- Add-on system (interacts with existing folding belts)
- Improved control of sheets running through the folding section
- Easy and repeatable tool-free adjustments
- Specifically engineered for Saturn flexo folder-gluers
- Helps reduce folding belt “snapping” motion
- Reduces skew, fishtail, and plowing
- Quickest possible solution for going from inside glue to outside glue
- Utilizes UHMW rod and aircraft grade aluminum folding arms

# Folding Section Upgrades

## FRX ADJUSTABLE FOLDING ROD SYSTEM

- ▼ C-shaped arms near the counter ejector



Sauer System has developed a variation of its FRX adjustable folding rod system specifically for Saturns. The folding rod system begins after the glue head but becomes particularly effective in the area where the box flaps fold past 90 degrees. The last three folding arms positions are mounted to the Saturn's adjusting bars and feature "C-shaped" arms that both integrate with and support the assist belts. The folding rods assure a smooth transition of the box flaps and reduce or eliminate the snapping motion from the belts. The result is more square boxes.

Integration with assist belts ▶



## RETURN ON INVESTMENT CONSIDERATIONS

### PRODUCTIVITY

- Reduced setup time going from inside to outside glue. Reduced setup time for challenging panel sizes. **Up to 30 minutes per 8 hours.**
- Faster run speeds due to increased box squareness. **Up to 15% faster.**

### QUALITY

- **Square boxes** – better control of flaps throughout the fold reduces issues with plowing, toeing, skewing, fishtail, and gap variation inconsistency.
- Internal locking and the elimination of catch points reduces potential marking and scuffing issues.

### COST SAVINGS

- Less wear on lower assist folding belts, meaning less frequent replacement of belts. **Annual savings = \$2,000.**
- In some cases, complete removal of lower folding belts altogether. **Five-year savings up to \$10,000.**

### UPTIME

- Reduced jam-ups in the folding section due to better control of flaps. **Up to 30 minutes per jam.**
- Reduced jam-ups in the counter-ejector due to boxes being delivered flat. **Up to 30 minutes per jam.**