



# LAUNDRY BUNDLING SOLUTIONS

# A BUNDLE OF FELINS FACTS

## THEN

- 1921 – Founded by Fred E. Lins
- Quality Sausage Company – Milwaukee, WI
- Pak-Tyer – More efficient way to tie sausage links



## NOW

- Offer 7 bundling technologies & robust, sustainable systems
- Pak-Tyer 2000 – Enhanced version of original machine is still available
- Nationally-recognized manufacturer and distributor of laundry bundling equipment and systems



# WHY FELINS?

## OUR SOLUTIONS

- Reduce labor costs
- Optimize throughput & PPOH
- Decrease facility footprint
- Combine several steps / solutions into one
- Bundle products to:
  - Safely & easily transport from facility to facility
  - Protect from dirt & debris
- Include world-class customer service & support



# LAUNDRY BUNDLING & PACKAGING SOLUTIONS

## TECHNOLOGIES

- Tying
- Shrink wrapping
- Banding
- Traffic control

## SYSTEM OPTIONS

- Stand-alone
- Semi-automatic
- Fully-automatic



# TYING

## STAND-ALONE

- Pak-Tyer 2000
- Pak-Tyer 2000 Tandem
- Rotary Pak-Tyer (RPT)

## FULLY-AUTOMATIC

- Turbo-Tyer
- ALTS



# TYING

## STAND-ALONE

### PAK-TYER 2000

- Up to 50 single ties or 25 cross ties per minute
- Model sizes
  - 6"
  - 8"
  - 10"
  - 12"
  - 16"
  - 22"
- Material
  - Elastomer
  - Polytape
  - Cotton twine
- Options
  - Vacuum Tail Removal (VTR) system
  - Obstruction sensors
- [Sell Sheet](#) | [Video](#)



# TYING

## STAND-ALONE

### PAK-TYER TANDEM

- Up to 50 single ties or 25 cross ties per minute
- Model sizes
  - 6"
  - 8"
  - 10"
  - 12"
  - 16"
- Material
  - Elastomer
  - Polytape
  - Cotton twine
- Options
  - Vacuum Tail Removal (VTR) system
  - Obstruction sensors
- [Sell Sheet](#) | [Video](#)



# TYING

## STAND-ALONE

### ROTARY PAK-TYER (RPT)

- Rotating arms circle around product twice
- 36-44 two-wrap cycles per minute
- Model sizes
  - 8"      • 16"
  - 12"     • 36"
- Material
  - Polytape
  - Cotton twine
- Options
  - Vacuum Tail Removal (VTR) system
  - Obstruction sensors
  - Capable of cross, single and triple ties
- [Sell Sheet](#) | [Video](#)





# TYING

## FULLY-AUTOMATIC

### TURBO-TYER

- Fully-enclosed system featuring tandem tying arms
- Up to 900 bundles per hour
- Flexible placement
  - End of a hand fold line
  - Inline with a small piece folder
  - Integrated with Felins conveyors
- Max. bundle sizes: 11"h x 26"w x 12"d
- Materials
  - Elastomer
  - Polytape
  - Cotton twine
- Options
  - Variable in-feed height (incline or horizontal)
  - Extendable in-feed table
- [Sell Sheet](#) | [Video](#)



# TYING

## FULLY-AUTOMATIC

### ALTS

- Combines tandem tying arms with a state-of-the-art bundle transfer unit
- Up to 900 bundles per hour
- Most efficient, high-speed bundle management system available
- Fully-removable tying module with powered service stand
- Materials
  - Elastomer
  - Polytape
  - Cotton twine
- Options
  - Automated in-feed, incline, merge and lift gate conveyors
  - Traffic control
  - Material handling and accumulation
- [Sell Sheet](#) | [Video](#)



# SHRINK WRAPPING

## SEMI & FULLY-AUTOMATIC

- TP-100
- TPS
- TP-150
- TP-200 & 300



# SHRINK WRAPPING

## SEMI-AUTOMATIC

### TP-100

- Manually-fed wrapper
- About 12 bundles per minute
- Magnetic hold-down sealing operation
- Automatic cycle timing
- Powered film feed
- Package sizes: minimum / maximum
  - L: 0.5" / 34.5"
  - W: 4.0" / 26.5"
  - H: 0.125" / 11"
- [Sell Sheet](#) | [Video](#)



# SHRINK WRAPPING

## FULLY-AUTOMATIC

### TPS

- Laser-cut steel frame with durable powder coating
- Solid-seal blades
- Adjustable pin perf for air evacuation
- Lexan guarding with safety switches
- Horizontal & vertical eyes standard
- Quick change-over with easy adjustments
- Package sizes: minimum / maximum
  - L: 0.4" / 17.75"
  - W: 2.375" / 13.75"
  - H: 0.125" / 4.75"
- Available with closing conveyor
- Sell Sheet | [Video](#)



# SHRINK WRAPPING

FULLY-AUTOMATIC

TP-150

- Designed for smaller products and bundles
- Sell Sheet | Video



# SHRINK WRAPPING

FULLY-AUTOMATIC

## TP-200 & 300

- Up to 16 bundles per minute
- Infinite length side-seal
- Variable speed DC scrap rewind with quick change feature
- Variable speed DC film drive
- Solid knife seal system
- Allen-Bradley PLC-controlled
- 110/220V operation / variable speed
- [Sell Sheet](#) | [Video](#)
  
- Case Studies
  - City Uniforms
  - Model Linen
  - Vogue Linen



# BANDING

## STAND-ALONE

- ATS US-2000 AD

## FULLY-AUTOMATIC

- ATS US-200 TRW-DMS-MP





# BANDING

## STAND-ALONE

### US-2000 AD

- Compact, mobile machine
- Variety of arch sizes and material available
- Available with inline printers or pre-printed material to track bundles
- Height adjustable
- Includes DCP 2000 digital control unit
- Ultrasonic technology does NOT use heat
- Band widths:
  - .79"      • .59"
  - 1.18"     • 1.57"
  - 1.97"     • 2.36"
- [Sell Sheet](#) | [Video](#)



# BANDING

## FULLY-AUTOMATED

### US-2000 TRW-DMS-MP

- Robust system capable of bundling stacks coming off 6 ironers or folders
- Designed to aid in bundle tracking within and beyond packaging li
  - Measures stacks on conveyor to determine
    - Width
    - Height
    - Length
    - Lateral off-set
  - Printer moves to appropriate position
  - Prints corresponding barcode directly on band
- About 16 stacks per minute
- Variety of materials available
- Communicates with server for printing data
- Infinitely adjustable printer with servo module
- [Sell Sheet](#) | [Video](#)



# TRAFFIC CONTROL

## TRAFFIC CONTROL MASTER (TCM) SYSTEM

- Designed to allow continuous workflow from any type of discharge and stacker
- Merges stacks onto main-line conveyor while maintaining appropriate spacing, orientation and stability
- Prevents bundle casualties and back-ups
- Allows laundries to maximize efficiency by:
- Can be combined with any Felins automated bundling system
- [Video](#) | [Video](#)





# FELINS

SIMPLIFY · SOLVE · SUSTAIN

