



**MODEL 6100-A45-CTA
A-ARM HEAVY DUTY TURNTABLE CONVEYORIZED AUTOMATIC
STRETCH WRAP SYSTEM GENERAL SPECIFICATIONS**

PRODUCTION SPEED

- 1-45 loads per hour

NOTE: Process rates will vary with load size, number of wraps & conveyor speed

LOAD CAPACITY

- Maximum load weight: 4,000# dynamic – 12,000# static
- Maximum load size: 50" W x 50" L (71" max. load diagonal) x 78" H (plus up to 4" top overlap)

TURNTABLE

- 80" diameter skirted turntable
- 4,000# dynamic weight capacity
- 29" diameter ring gear support system, direct pinion-to-gear drive
- 1-15 RPM rotational speed c/w soft start acceleration and positive stop alignment
- 1 HP DC variable speed motor c/w turntable holding brake
- Remote centralized lubrication for ring gear

FILM CARRIAGE ELEVATOR

- 1/2 HP DC variable speed motor
- ANSI #40 direct chain drive c/w shock dampener & **Anti-Fall Safety Device**
- Maintenance free carriage guidance system

FILM DELIVERY SYSTEM

- **NEW Super Rapid Thread II**™ 20" capacity pre-stretch film carriage
- *Special Film Threading Device – Uniquely orientates the sticky side of the film against the pre-stretch rollers and the inside of the load*
- 1/2 HP DC variable speed motor
- Fully electronic dynamic dancer corner compensation

FILM DELIVERY SYSTEM
...continued...

- 33% to 313% fixed stretch capability
 - Pre-stretch ratio variable using easy sprocket change
 - **Carriage Descent Obstruction Safety Shut-Off Device**
 - **Rapid Thread™ Safety Door with auto power cut-off switch**
 - Side mounted film carriage for operator convenience and safety
 - Superior *film-to-roller* contact area
 - Lifetime warranty on pre-stretch rollers
-

POWERED ROLLER CONVEYOR

Basic system: 5ft Infeed section, 80" diameter turntable section & 5ft Exit section

Each section includes:

- Chain driven live roller conveyor rated 4,000# per section
 - 2-1/2" diameter 11 gauge rollers c/w 11/16" hex axles on 3" centers
 - All rollers ANSI # 40 chain driven, roller to roller
 - 54" effective roller width
 - Conveyor speeds 20 to 50 FPM (specify required speed) with electronic soft start
 - Pass-line height – 18" from floor to top of rollers
 - 1/2 HP AC variable speed reversible TEFC motor (turntable conveyor motor is 1/2 HP DC)
 - Automatic load indexing and centering by photo-eye & PLC logic
-

AUTOMATION FEATURES

"All Electric – No Pneumatics Required"

"Patent Pending" Cousins exclusive patent pending **A-Arm** film cut and hold device starts and ends the wrap process at the top of the load. This uniquely different approach to attaching and cutting the stretch film provides you with these benefits:

- Selectable top banding capability
- Stabilizes the load early in the wrap cycle
- Places the ending film tail at the top of the load instead of the bottom
- There is no film clamp on the turntable that can be damaged by debris or operator error – eliminates the need for a film clamp power source on the turntable for easier maintenance

**AUTOMATION
FEATURES**
...continued...

- Load placement on the turntable is not critical
- No air hook-ups or noisy compressors
- **Automatic First Revolution Load Scanning Safety Feature** detects uneven or partial stacked top layers and automatically adjusts A-Arm height clear of obstructions
- **A-Arm Anti-Fall Safety Device**
- Height Seeker photo-eye detects incoming load height and adjusts A-Arm height to suit automatically

CONTROL FEATURES

- **PANASONIC** FP-X Programmable Logic Controller (PLC)
- HMI Touchscreen Operator Interface Panel
- Illuminated Power Start / Reset button
- Emergency Stop button
- Wrap Cycle Start (rewrap) button
- Manual controls provided for turntable jog, film carriage elevator lower/raise, film hook forward/reverse, A-Arm lower and conveyors forward/reverse
- Wrap Bypass mode selector switch
- Separate film carriage elevator raise & lower speed controls
- Film tension (force-to-load) control
- Separate 1 to 12 revolution top & bottom wrap control
- Triple beam auto load height sensing photo-eye, detects dark or shiny loads
- Broken film/out of film detection c/w automatic machine reset and fault beacon light
- Turntable drive and film carriage elevator dynamic braking
- NEMA 12 control panel and junction boxes
- **3 wrap modes:** automatic spiral wrapping / automatic top banding / semi-automatic – **3 machines in one!**
- Dust tight slip ring assembly
- Non-proprietary UL/CSA approved components

**STRUCTURAL
FEATURES**

- All structural steel construction
 - Forklift truck portable base structure design
 - Structural steel tube machine tower with sheet metal covers
 - Electro-static powder coated paint finish
-

SAFETY FEATURES

- Safety barriers enclose the turntable section to prevent personnel intrusion
- **Operator Access Gates c/w Safety Interlock Switches** disable machine operation when gate(s) opened
- Hard-wired emergency stop and operator access gate circuits with **Category 3 dual channel safety relays**

ELECTRICAL INPUT REQUIREMENT

- 208Y/120 Volts 3 Phase 60 Hz 30 Amps (other voltages available – consult factory)

TYPICAL SYSTEM DIMENSIONS

- 202" (L) x 143" (W) x 100" (H)
(Standard dimensions are approximate)
-