# MODEL 6100-45-CTA
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 82” H (plus up to 4” top overlap)
- Minimum load size: 30” W x 30” L x 24” H

## 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
- Final revolution deceleration 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 12 point 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
**FILM DELIVERY SYSTEM**  
...continued...

- Fully electronic dynamic dancer corner compensation  
- 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  
- Superior *film-to-roller* contact area  
- Lifetime warranty on pre-stretch rollers

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**POWERED ROLLER CONVEYOR**

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<th>Basic system:  5ft Infeed section, 80” diameter turntable section &amp; 5ft Exit section</th>
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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  
- ANSI # 40 roller to roller chain drive  
- 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

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**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 clamp open/close 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
| CONTROL FEATURES  | • Broken film/out of film detection c/w automatic machine reset and fault beacon light  
|                  | • Turntable drive and film carriage elevator dynamic braking  
| ...continued...  | • NEMA 12 control panel and junction boxes  
|                  | • Dust tight slip ring assembly  
|                  | • Non-proprietary UL/CSA approved components |
| AUTOMATION FEATURES | • Pneumatically actuated film clamp mechanism  
|                  | • Pneumatically actuated film tail cut/wiper arm mechanism  
|                  | • Ni-chrome impulse hot wire film cut off c/w automatic periodic cleaning cycle |
| STRUCTURAL FEATURES | • All structural steel construction  
|                  | • Forklift truck portable base structure design  
|                  | • Structural steel H-beam machine tower  
|                  | • Electro-static powder coated paint finish |
| SAFETY FEATURES | • Safety barriers enclose the turntable section to prevent personnel intrusion  
|                  | • **Operator Access Gate c/w Safety Interlock Switch** disables machine operation when gate is 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) |
| PNEUMATIC REQUIREMENT | • 3 CFM @ 80 PSI clean dry pneumatic supply required  
|                  | • Filter/regulator c/w gauge & lock-out valve provided |
| TYPICAL SYSTEM DIMENSIONS | • 202" (L) x 143" (W) x 100" (H)  
|                  | (Standard dimensions are approximate) |