



---

**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 80" H (plus up to 4" top overlap)
  - Minimum load size: 30" W x 30" L x 24" H
- 

**TURNTABLE**

- 80" diameter skirted turntable
  - 4000# 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**

- **Super Rapid Thread**™ 20" capacity pre-stretch carriage with *Patent Pending* pressure balanced nip roller system
  - 1/2 HP DC variable speed motor
  - Fully electronic dynamic dancer corner compensation
  - 33 to 313% fixed stretch capability
-

---

**FILM DELIVERY SYSTEM**  
...continued...

- Pre-stretch ratio variable by easy sprocket change
  - **Rapid Thread™ Safety Door with auto power cut-off switch**
- 

**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
  - 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
- 

**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
  - 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
  - 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)
-