



**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 x 82" H (71" max. load diagonal)
 - Minimum load size: 30" W x 30" L x 24" H
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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 and positive stop alignment
 - 1 HP DC drive motor c/w turntable holding brake
 - Remote centralized lubrication for ring gear
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**FILM CARRIAGE
ELEVATOR**

- 1/2 HP DC variable speed motor
 - ANSI #40 direct chain drive c/w shock dampener
 - Maintenance free 12 point carriage guidance system
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**FILM DELIVERY
SYSTEM**

- **Rapid Thread**™ 20" capacity pre-stretch film carriage
 - 1/2 HP DC variable speed motor
 - Fully electronic dynamic dancer corner compensation
 - 33 to 313% fixed stretch capability (shipped fixed at 250%)
 - Pre-stretch ratio variable by easy sprocket change
 - **Rapid Thread**™ (Safety Door) with auto power cut-off switch
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**POWERED ROLLER
CONVEYOR****Basic system: 5ft Infeed section, 80" diameter turntable
section & 5ft Exit section****Each section includes:**

- Chain driven live roller conveyors
- 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 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 mushroom 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
- Separate film carriage elevator raise & lower speed controls
- Film tension (force-to-load) control
- Separate top & bottom wrap counters
- Auto load height detection photo-eye
- Broken film/out of film detection c/w automatic machine reset and fault beacon light
- Turntable drive and film carriage elevator dynamic braking systems
- Wrap bypass mode
- 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 switch disables operation when gate is opened

**ELECTRICAL INPUT
REQUIREMENT**

- 208Y/120 Volts 3 Phase 60 Hz 30 Amps

**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)
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