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**MODEL 6100-45-CTA  
HEAVY DUTY TURNTABLE CONVEYORIZED AUTOMATIC  
STRETCH WRAP SYSTEM GENERAL SPECIFICATIONS**

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**PRODUCTION SPEED**

- 1-45 loads per hour

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

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**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
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**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 AC variable speed motor c/w turntable holding brake
  - Remote centralized lubrication for ring gear
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**FILM CARRIAGE  
ELEVATOR**

- 1/2 HP AC variable speed motor
  - ANSI #40 direct chain drive c/w shock dampener & **Anti-Fall Safety Device**
  - Maintenance free 12 point carriage guidance system
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**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 AC variable speed motor
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**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**

**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

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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

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<b>CONTROL FEATURES</b> ...continued...	<ul style="list-style-type: none"><li>• Broken film/out of film detection c/w automatic machine reset and fault beacon light</li><li>• Turntable drive and film carriage elevator dynamic braking</li><li>• NEMA 12 control panel and junction boxes</li><li>• Dust tight slip ring assembly</li><li>• Non-proprietary UL/CSA approved components</li></ul>
<b>AUTOMATION FEATURES</b>	<ul style="list-style-type: none"><li>• Pneumatically actuated film clamp mechanism</li><li>• Pneumatically actuated film tail cut/wiper arm mechanism</li><li>• Ni-chrome impulse hot wire film cut off c/w automatic periodic cleaning cycle</li></ul>
<b>STRUCTURAL FEATURES</b>	<ul style="list-style-type: none"><li>• All structural steel construction</li><li>• Forklift truck portable base structure design</li><li>• Structural steel H-beam machine tower</li><li>• Electro-static powder coated paint finish</li></ul>
<b>SAFETY FEATURES</b>	<ul style="list-style-type: none"><li>• Safety barriers enclose the turntable section to prevent personnel intrusion</li><li>• <b>Operator Access Gate c/w Safety Interlock Switch</b> disables machine operation when gate is opened</li><li>• Hard-wired emergency stop and operator access gate circuits with <b>Category 3 dual channel safety relays</b></li></ul>
<b>ELECTRICAL INPUT REQUIREMENT</b>	<ul style="list-style-type: none"><li>• 208Y/120 Volts 3 Phase 60 Hz 30 Amps (other voltages available – consult factory)</li></ul>
<b>PNEUMATIC REQUIREMENT</b>	<ul style="list-style-type: none"><li>• 3 CFM @ 80 PSI clean dry pneumatic supply required</li><li>• Filter/regulator c/w gauge &amp; lock-out valve provided</li></ul>
<b>TYPICAL SYSTEM DIMENSIONS</b>	<ul style="list-style-type: none"><li>• 202" (L) x 143" (W) x 100" (H) (Standard dimensions are approximate)</li></ul>

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