



**MODEL 6100-65-CTA
HEAVY DUTY TURNTABLE CONVEYORIZED AUTOMATIC
STRETCH WRAP SYSTEM GENERAL SPECIFICATIONS**

PRODUCTION SPEED

- 1-65 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
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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
 - 1-20 RPM rotational speed c/w soft start acceleration
 - Final revolution deceleration and positive stop alignment
 - 1-1/2 HP DC variable speed 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 & **Anti-Fall Safety Device**
 - Maintenance free 12 point carriage guidance system
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**FILM DELIVERY
SYSTEM**

- **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
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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 30 to 60 FPM (specify required speed) with electronic soft start
 - Pass-line height – 18" from floor to top of rollers
 - 3/4 HP AC variable speed reversible TEFC motor (turntable conveyor motor is 3/4 HP DC)
 - Automatic load indexing and centering by photo-eye & PLC logic
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CONTROL FEATURES

- **Allen-Bradley** MicroLogix 1400 Programmable Logic Controller (PLC) with built-in EtherNet/IP communications
- 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
- Reduced turntable start speed
- Separate film carriage elevator raise & lower speed controls
- Film tension (force-to-load) control
- Separate 1 to 12 revolution top & bottom wrap control

CONTROL FEATURES ...continued...	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• All structural steel construction• Forklift truck portable base structure design• Structural steel H-beam machine tower• Electro-static powder coated paint finish
SAFETY FEATURES	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 230 or 460 Volts 3 Phase 60 Hz 30 Amps (required voltage to be specified) (other voltages available – consult factory)
PNEUMATIC REQUIREMENT	<ul style="list-style-type: none">• 3 CFM @ 80 PSI clean dry pneumatic supply required• Filter/regulator c/w gauge & lock-out valve provided
TYPICAL SYSTEM DIMENSIONS	<ul style="list-style-type: none">• 202" (L) x 143" (W) x 100" (H) (Standard dimensions are approximate)
