## 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

### 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

### 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 orients 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

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

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

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- 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

- 230 or 460 Volts 3 Phase 60 Hz 30 Amps (required voltage to be specified) (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)