

WCRT-200 - Automatic Rotary Arm Stretch Wrapper

STANDARD FEATURES

- 5,000 lbs load weight capacity (optional 6000 lbs)
- The control panel is UL508A approved
- 100% structural steel construction
- 25" ring gear with pinion gear drive
- Automated remote lube station
- Superior Electrical/Electronic Design including Allen Bradley SLC 5/03 logic control
- Wulftec's exclusive 20" NO-THREAD® Powered Pre-Stretch Carriage (30" optional)
- Lifetime warranty on prestretch rollers blue compound
- Readily available non-proprietary parts
- Conveyor rollers 2 1/2" diameter on 3" centers for smooth operation
- Motors speed control are made through AC frequency drives
- Allen Bradley Monochrome Touch Screen – play an active part in avoiding operator errors by offering a great versatility for customized information and alarm diagnostic



OPTIONS

Carriage

- 30" NO-THREAD® Powered Pre-Stretch Carriage
- Carriage adaptor bracket for 20" film on 30" carriage
- Pneumatic roping dual
- Pneumatic roping single

Controls

- Communication bypass mode
- Lanyard remote
- Remote push button station
- Warning Alarm / Horn

Conveyors

- Add 5' infeed and outfeed conveyors
- Replace 5000 lbs capacity conveyors with 2500 lbs capacity

Extension

- Wrap arm diameter extension: 92", 104", 116"
- Wrap height extension: 92", 104", 116"

Heat seal

- Arm mounted cut & seal

Heat Seal

- Conveyor side mounted heat seal

Motors

- Wash down motors
- Wash-down motors on conveyor

Paint

- Custom color
- Epoxy paint
- Steel-it paint

Photoeye

- Dark load detection
- Forklift detection

Safety

- Safety Package

Scale

- Electronic scale

Speed

- High speed - variable up to 24 RPM
- High speed - variable up to 30 RPM
- High speed - variable up to 35 RPM

Temperature package

- Cold A (32 to 41°F / 0 to 5°C)
- Cold B (5 to 32°F / -15 to 0°C) - Without process conveyor
- Cold C (-31 to 5°F / -35 to -15°C)
- Fan & Exhaust
- Warm A (up to 115°F / up to 46°C)
- Warm B (104°F / 40°C and up)

Top platen

- Electric top platen

SPECIFICATIONS

| | | | |
|-------------------------|---|------------------|---|
| Production Rate | 100 loads per hour | Rotary Arm Drive | <p>1 HP AC motor with Allen Bradley variable frequency drive</p> <p>Counter-balanced rotary arm for smooth rotation</p> <p>Safety fencing with security door</p> <p>17 RPM variable speed (up to 35 RPM)</p> <p>Automated remote lube station</p> <p>Dual steel boom rotary arm</p> <p>Electronic soft start/stop</p> <p>Positive arm alignment controlled by "Proximity Sensor"</p> <p>Dynamic braking system for rotary arm with AC drive</p> <p>Protective guard covering ring gear</p> <p>25" Heavy duty Ring GEAR Bearing, with Pinion GEAR Drive</p> <p>Heavy duty structural steel construction: easy access to all components</p> |
| Machine Dimensions | 138" L x 148" W x 140" H | | |
| Maximum Load Size | 48" L x 48" W x 80" H | | |
| Maximum Load Weight | 5000 lbs(6000 lbs*) | | |
| Approx. Shipping Weight | 4500 lbs | | |
| Electrical Requirements | 230 V /3 ph /60Hz 20A | | |
| Pneumatic Requirements | 3 cfm @ 80 psi | | |
| Controls | <p>NEMA 4/12 control cabinet with quick disconnect</p> <p>Allen Bradley PanelView Plus 600 color touch screen interface</p> <p>Allen Bradley CompactLogix L24ER PLC with an integrated Ethernet port</p> <p>Double brush dust tight slip ring</p> <p>Cycle counter</p> <p>Film force to load control & more</p> | Conveyor | <p>Standard pass height 18"</p> <p>Powered process conveyor 11' 6"</p> <p>(Other pass heights available, please consult factory*)</p> <p>2- 1/2" diameter rollers on 3" centers</p> <p>52" BFR (between frame rails)</p> <p>All rollers driven via #40 chain</p> <p>1 HP 230VAC motor with Allen Bradley variable frequency drive</p> <p>Heavy-duty structural steel design, interlocking style for continuous equal roller spacing</p> <p>Heavy-duty cast iron flange mounted bearings</p> <p>Up to 35 FPM (other optional speeds available*)</p> |
| Structure | <p>4 -- 6" X 6" floor mounting legs</p> <p>Free standing integrated leg design</p> | | |
| Film Delivery System | <p>20" NO-THREAD® Powered Pre-Stretch Carriage</p> <p>Lifetime warranty on pre-stretch rollers blue compound</p> <p>Film force release for easy pull at start and end of cycle</p> <p>50-300% pre-stretch ratio (preset to customer specs-std 200%)</p> <p>Electronic film tension control with analog sensor</p> <p>Sensing device for film out/broken with visual alarm</p> <p>Lexan roller cover for operator safety</p> | Safety | <p>The Wulftec wrapping system is equipped with 5 photoeyes which monitor access points to wrapping zone and prevent accidental insertion of foreign object during wrapping</p> <p>2 E-Stop mushroom type push buttons: 1 on control panel, and 1 in wrapping zone</p> <p>(Additional E-Stop are available upon request*)</p> <p>Wrapping zone enclosed by heavy-duty personnel obstruction fencing. Complete with electronically interlocked access door</p> <p>An object obstruction safety device stops the machine functions should there be any interference in the wrapping area</p> |
| Film Tail Treatment | <p>Film alignment arm</p> <p>Automatic film clamping device</p> <p>Pulsed controlled cutter</p> <p>Brush-on film tail treatment</p> <p>(Heat Seal treatment optional*)</p> | | |
| Film Carriage Drive | <p>Emergency stop for arm path obstruction</p> <p>Angled carriage to wrap approx. 2" from conveyor level</p> <p>1 HP AC motor with Allen Bradley variable frequency drive</p> <p>Two #50 carriage lifting chains</p> <p>Dual steel supporting boom</p> <p>Power track for efficient guiding of wires</p> <p>Machined UHMW-PE carriage glides on 1/2" CRS rails</p> | | |
| | | Warranty | <p>3-year unlimited cycle warranty</p> <p>10-year warranty on steel structure</p> <p>10-year warranty on 25" ring gear bearings</p> <p>Lifetime warranty on pre-stretch rollers' blue compound</p> |



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*Optional feature