

WCAT-450 - 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 w/ pinion gear drive for rotary arm and turntable
- Automated remote lube station (for turntable and rotary arm ring gear bearings)
- Superior Electrical/Electronic Design including Allen Bradley logic control
- Wulftec's exclusive 20" NO-THREAD® Powered Pre-Stretch Carriage
- Lifetime warranty on pre-stretch 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
- Pneumatic roping dual
- Pneumatic roping single

Controls

- Communication bypass mode
- Warning Alarm / Horn

Heat Seal

- Conveyor side mounted heat seal

Motors

- Wash-down motors on conveyor

Photoeye

- Dark load detection
- Forklift detection

Safety

- Safety Package

Scale

- Electronic scale

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



SPECIFICATIONS

Production Rate	120 loads per hour	Rotary Arm Drive	25" Heavy duty ring GEAR with pinion gear drive 0-30 RPM variable speed Dual steel boom rotary arm 2 HP 230VAC/ Motor & AC variable frequency drive Electronic soft start/stop Positive arm alignment controlled by proximity sensor Pneumatic braking system for rotary arm 45 RPM Combined arm & turntable speed
Machine Dimensions	259" 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	12000 lbs		
Electrical Requirements	230 V /3 ph /60Hz 35A		
Pneumatic Requirements	3 cfm @ 80 psi		
Controls	Allen Bradley Compact Logix L32E PLC Allen Bradley monochrome PanelView Plus 600 touch panel NEMA 4/12 control cabinet with quick disconnect Separate top and bottom wrap selections Separate up and down carriage speeds Film force to load control & more	Conveyor	2 x 7'6" powered roller infeed and outfeed conveyors with contour shape Standard pass height 18" ((Other pass heights available, consult factory*)) 2- 1/2" diameter rollers on 3" centers 52" BFR (between frame rails) 3/16" walls cold rolled electric welded steel rollers All rollers driven via #40 chain 1 HP 230VAC motor with Allen Bradley variable frequency drive Heavy-duty structural steel design, interlocking style for continuous equal roller spacing Heavy-duty cast iron flange mounted bearings
Structure	Heavy duty structural steel construction: easy access to all components Free standing integrated leg design (Four 6" x 6" legs) Counter-balanced rotary arm for smooth rotation Safety fencing with interlocked access door		
Film Delivery System	20" NO-THREAD® Powered Pre-Stretch (no film threading) 1 HP 230VAC Motor & AC variable frequency drive Lifetime warranty on pre-stretch rollers blue compound Film force release for easy pull at start & end of cycle 50-300% pre-stretch ratio (preset to customer specs-std 200%) Electronic film tension control with analog sensor Sensing device for film out/broken with visual alarm Lexan roller cover for operator safety Emergency stop for arm path obstruction Angled carriage to wrap approx. 2" from conveyor level		
Film Tail Treatment	Auto film clamping device (drop away design, no film tear) Pulsed controlled cutter Film alignment arm Brush-on film tail treatment (Heat Seal treatment*)	Turntable Drive	25" Heavy duty ring GEAR with pinion gear drive 0-15 RPM variable speed 1 1/2 HP 230VAC motor with Allen Bradley variable frequency drive Electronic soft start/stop Positive turntable alignment controlled by proximity sensor Electric brake for turntable
Film Carriage Drive	1 HP AC motor with Allen Bradley variable frequency drive Two #50 carriage lifting chains Dual steel supporting boom Power track for efficient guiding of wires Machined UHMW-PE carriage glides on 1/2" CRS rails	Turntable Conveyor	77" dia. 1/2" steel plate turntable 2 1/2" dia. rollers on 3" centers All full length rollers driven 3/16" wall cold rolled electric welded steel rollers 52" BFR (between frame rails) 1 HP AC motor with Allen Bradley variable frequency drive Electronic soft start/stop Rollers driven via #40 chain Heavy duty cast iron flange mounted bearing
		Safety	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 4 E-Stop mushroom type push buttons: 1 on control panel, 1 in wrapping zone, 1 on infeed conveyor and 1 on outfeed conveyor (Additional E-Stops are available upon request*) Wrapping zone enclosed by heavy-duty personnel obstruction fencing complete with electronically interlocked access door An object obstruction safety device stops the machine should there be any interference in the wrapping area



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 *Optional feature