

Stretch Packaging Systems

# 2502

Semi-Automatic Stretch Wrapping Machine



Rugged, heavy-duty metal **construction** is built for durability, reliability and years of dependable service.

Pallets remain stationary during the wrap cycle, which allows for a wide variety of loads to be wrapped. Even unstable, heavy or light loads can be wrapped.

Maximum arm rotation **speed** of 12 RPM for throughput rate up to 35 loads per hour.

**Freestanding** design allows easier relocation of the machine.

Positive, non-slip "V" Belt **drive** ensures consistent rotation speed, easy maintenance and accurate home positioning.

Rotational motor is located on the side of the machine's mast, for safer operation and easier maintenance.

**Prestretch** carriage uses a low inertia VDC/SCR motor control **Strain-Gauge** feed-back-loop, which varies the film feed speed to keep a constant force to load regardless of load position, size or shape.

Film delivery system uses a 20" film roll width, handles films from 0.4 gauge to 1.15 gauge and prestretches film 200% for superior **economy**.

**Angled** carriage allows wrapping within 2 ½" above the floor which secures loads to pallets.

Loads between 20" and 30" require special mounting of Autoheight PE. Advise Sales applications Engineering.

High-speed wrap counting system provides **accurate** top and bottom wrap counts to help reduce film waste

**A semi-automatic Multee rotary arm stretch wrapper designed for efficient and economical pallet wrapping in low to medium volume applications.**

## SPECIFICATIONS

### Performance

|                       |  |
|-----------------------|--|
| Loads per hour        | Up to 35   |
| Rotation speed        | 12 RPM   |
| Maximum load size     | 48"L x 48"W  |
| Maximum load diagonal | 68" c/w 6" clearance<br>Extended diagonals are available |
| Maximum load height   | 92"<br>Extended heights are available                    |
| Maximum load weight   | Unlimited (Floor Capacity)                               |

### SG2000 Film Delivery Carriage

|                  |   |
|------------------|---|
| Film size        | 20" (Optional 30")                      |
| Prestretch type  | Power assisted (Strain gauge)           |
| Prestretch level | 200% standard<br>(Optional 100% - 300%) |
| Force to load    | Strain gauge Analog Feed back           |
| Construction     | 6061 machine aluminum                   |

### Carriage lift system

|               |                                    |
|---------------|------------------------------------|
| Lift type     | Flat belt<br>V-Groove guide wheels |
| Drive motor   | 1/2 HP 90 VDC TENV                 |
| Drive control | Variable speed /dynamic braking    |

### Electrical requirements

|         |                        |
|---------|------------------------|
| Voltage | 120 VAC, 15 amp, 60 Hz |
|---------|------------------------|

### Rotational Arm

|              |                         |
|--------------|-------------------------|
| Construction | Structural steel Tubing |
| Support      | 2 Pillow Block bearings |

### Rotational Arm drive

|             |                    |
|-------------|--------------------|
| Drive motor | 1/2 HP 90 VDC TENV |
| Drive type  | Dual V-Belt        |

### Frame construction

|                 |   |
|-----------------|---|
| Construction    | 8"x8" Structural steel mast welded to<br>8"x3" Structural steel Columns |
| Gantry legs     | 4"x4" Structural steel  |
| Shipping weight | 2,950 lbs. (approx.)  |

### Controller

|                    |                                   |
|--------------------|-----------------------------------|
| Type               | Allen Bradley 1000 PLC            |
| Operator Interface | Allen Bradley Micro 300 Panelview |
| Control box        | NEMA 12 dust tight                |
| Pushbuttons        | NEMA 4 industrial grade           |

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