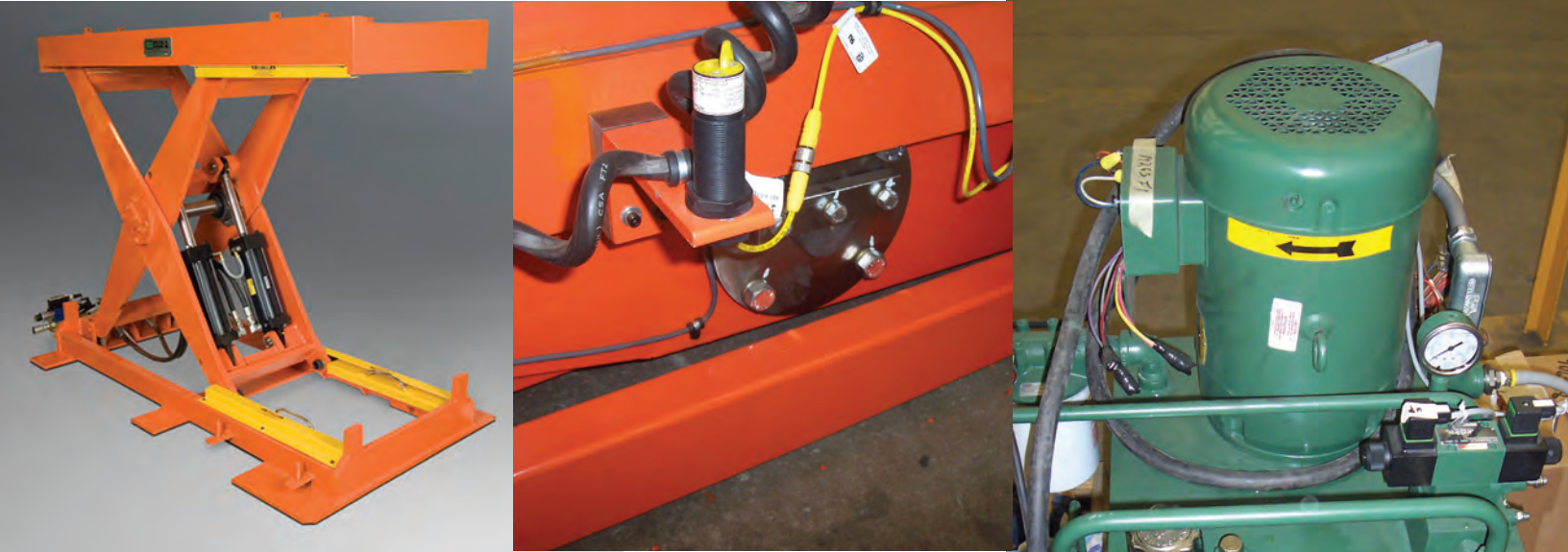


Shuttle Lifting System Upgrades



Optimize the performance of your Shingle Bundle Palletizer

SLB-1500 Scissors Lift • Sonar Deceleration System • Hydraulic Power Unit

SLB-1500 Scissors Lift

The Ultimate Scissors Lift

Features:

- 5,000 lbs @ 1,800 PSI maximum lifting capacity
- 1,500 PSI normal operating pressure
- Higher lifting force in the lowered position
- Platform and base of welded structural steel and tubing construction with 1-1/4" thick carbon steel legs
- Twin 4" bore NFPA hydraulic cylinders, for low pressure operation and superior stability
- Spherical, heavy-duty, lubricated, flange mounted center pivot bearings on 2 15/16" through shaft
- Spherical bearings on pivots of fixed legs
- 3" diameter, lubricated, high capacity cam followers on moving legs
- Hardened, replaceable wear strips for top and bottom cam followers
- Readily available replacement parts
- Designed to fit existing area with easy installation of conveyor components



Our machine delivers field-proven durability and reliability that will help increase your profits by reducing maintenance costs and downtime.

This unit is specifically designed for long-term, consistent performance under the extreme operating conditions encountered in the process of palletizing heavy-weight asphalt shingles at high speeds.

Operators have access from both sides of the shuttle and the sealed cylinder prevents oil leakage. This improved scissors lift has thicker, wider legs to improve side to side stability. This unit reliably handles 40 bundles per minute.

Sonar Deceleration System

Fast • Smooth • Consistent

Features:

- Consistent, smooth deceleration & stopping of scissors
- Reduced hydraulic shock
- Longer scissors component life
- Lift mounted ultrasonic sensor monitors lift height
- Manifold assembly with
Bosch/Rexroth proportional valve
Sun check valve
(2) SAE-16 ports for connecting hoses
- NEMA 12 junction box with
24 VDC power supply
Pre-wired terminal strip(s)
- Migatron ultra-sonic sensor with cable
- Mounting hardware



Deceleration System vs. Deceleration Valve

| <u>Function</u> | <u>Deceleration System</u> | <u>Deceleration Valve</u> |
|---------------------------------------|--|---|
| Actuation | Sonar | Mechanical |
| Adjustment | Variable | None |
| Wear Points | None | <ul style="list-style-type: none"> • Plunger of Valve • Steel Cam |
| Initial Set-Up & Operation | <ul style="list-style-type: none"> • Quick/Simple • Smooth • Consistent | <ul style="list-style-type: none"> • Delicate • Subject to wear of components |
| Safety | Fail Safe | No built-in safety |



Hydraulic Power Unit

Designed for demanding shingle production rates

Features:

- 20 Gallon reservoir with clean out cover, level/temperature sight gage, filler breather and drain port
- Low fluid level/high temperature switch in reservoir
- 6.7 GPM @ 1200 PSI submersible pump
- 5 Hp, 1800 RPM, TEFC electric motor
- Double solenoid, 4-way directional valve
- Junction box—level/temp switch and valve pre-wired to terminal strip in box
- Counter balance valve to prevent lift from falling if pressure is lost or line breaks—shipped loose
- Control voltage choice of 24 VDC or 110 VAC
- Optional hydraulic fluid heater and/or heat exchanger available



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Experience • Innovation • Quality