

Specifications:

Standard Package Size

Height: 48 – 93" (1219 – 2362 mm)
Width: 30 – 80" (762 – 2032 mm)

Wire Size (range)

11 - 10-3/4 awg (3.06 - 3.14mm) standard
12 - 9 awg (2.67 – 3.7mm) optional

Machine Speed (typical)

Wire feed: 3.5 seconds
Wire tension and twist: 4.0 seconds
Top compression beam (to package): 2.5 seconds
Side compression beam (to package): 1 seconds
Compression release: 2 seconds
Conveyor speed: 30 FPM (9.12MPM)

- Unit size, wire patterns and conveyor details dictate final speeds
Typical cycle with seven wires in one location is 60 seconds

Compaction Forces (design maximum)

Top: 40,000 lb (18,143 kg)
Side: 12,370 lb (5,610 kg)

Conveyor Height 21" (533mm) – no options

Conveyor Span Length: 49" (1244mm) – no options

Machine Weight (dry): 11,800lbs (5,351kgs)

Noise level: 90-95 dba at 1 meter.

Solenoids, Switches and Sensors: 24VDC

Requirements

Hyd. Power Unit, Coil cage, Control, Motor starter, Power disconnects and Connection hoses (sold separately).

Machine Grade Wire: see Cranston specification CS003

Pneumatic supply: .5 scfm (14 l/m) @ 60psi (4.2 bar)

Electrical supply: Motor: 575V/460V, 3 phase

Control: 220V/110V, 1 phase

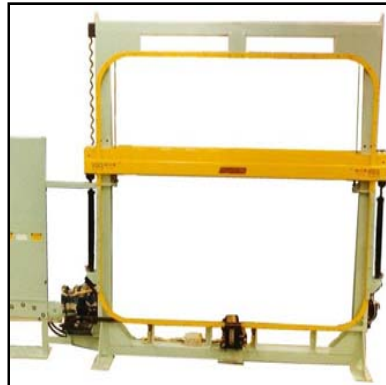
Included Features:

- EZ thread wire entry system
- Out of wire sensor and beacon light
- Auto oiler for wire track
- 7" (177mm) Knotter with QD Hydraulic connectors
- Centering side compactors
- Single 1-1/2hp electric conveyor drive
- SAE and JIC fittings on pressure side of Hydraulics
- Air Jet Kit (Knotter jets and handheld air gun)
- Tensile tester
- Powered conveyor lifts
- Automatic package height detection
- Safety Factor Printer with (2) each 3, 3.5 and 4 SWL print mats

Available Options:

- PLC Controls (On Machine or floor mounted)
- Touch screen operator interface (On Machine or floor mounted)
- Motor starter (On Machine)
- Control upgrade for Selectable Wire positions (1, 2 or 3)
- Control upgrade for Auto Reversing conveyor flow
- Centering side compactors
- Dual 1 hp electric conveyor drives
- Automatic corner clip dispensers
- Stack Alignment Arms
- Retracting Wire Pins
- Double strand conveyor chain
- SAE Tool & Fastener Kit
- Custom product sizes, components (some limitations), voltages or paint finishes
- CSA Inspection
- CE certification

Alternate Models



Econotizer
top compactor only



967 Unitizer with portability kit
and conveyors.



"Portatizer" Econotizer and conveyors
on trailer.

FOR FURTHER DETAILS CONTACT:

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All products and services are covered by Cranston standard terms and conditions, including limits of liability and warranty effective at the time of sale. Available upon request.



Technical Specification T030 090810



967 Unitizer

Unitizer with standard opening, shown with conveyors and compactors in open position. Side compactors are available for centering or non-centering operation.



Unbeatable Performance!

From the worlds leader in
Automatic Wire Strapping Equipment



The Cranston 967 Unitizer is a fully automatic machine that applies multiple straps of high tensile wire around a compacted group of wood pulp bales (wet or dry), forming them into a single unit. Each wire is tied with a twisted knot on the bottom of the unit, allowing the unitizing straps to be used for lifting the unit by Cranston's top attachment hooks, spreaders and beams.

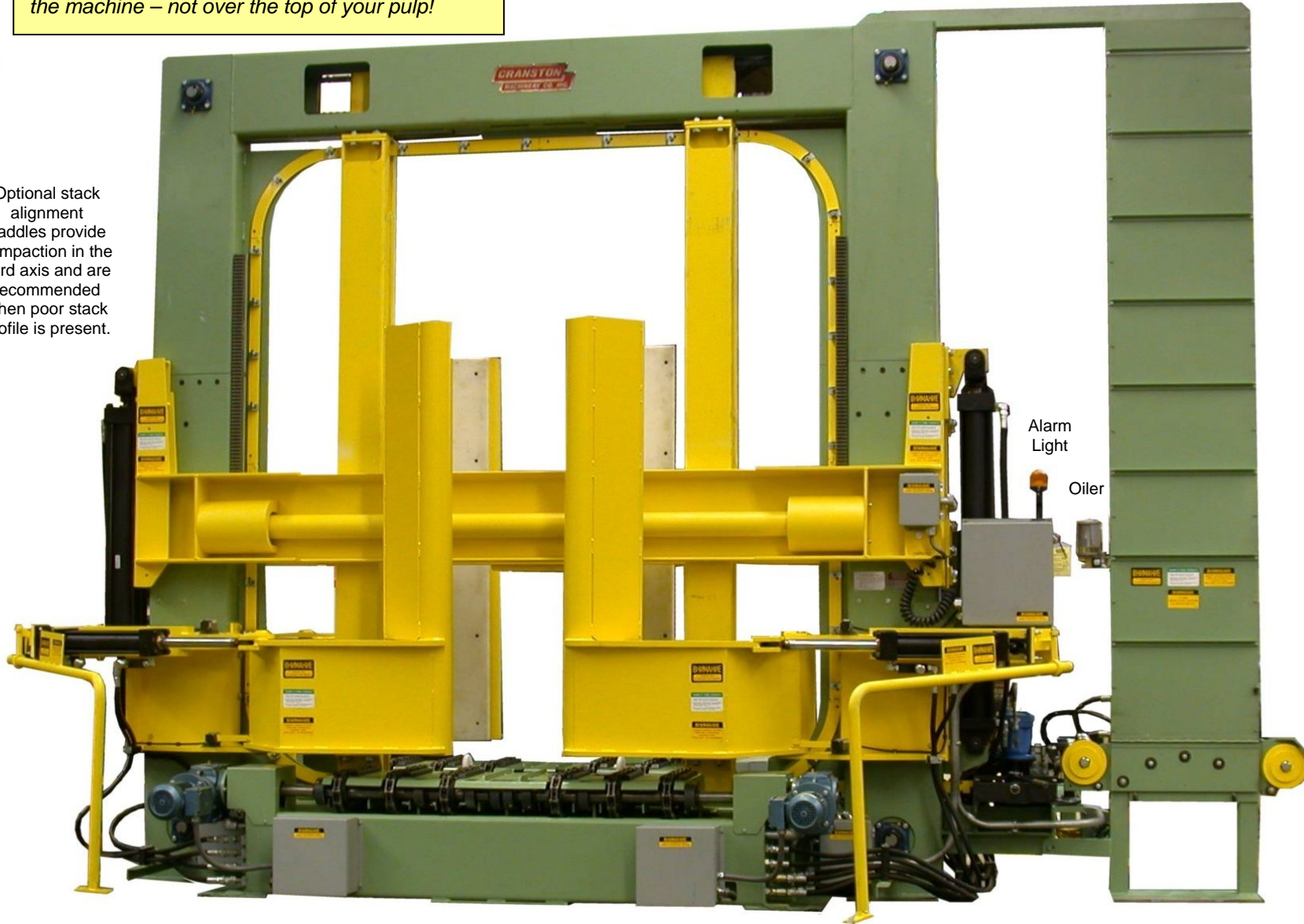
Although Cranston Unitizer's are most commonly installed in pulp mills as the final step of a high speed packaging line, many are installed in large warehouses as stand alone Unitizing systems. Portability kits have also been provided for customers with multiple locations.



The 967 Unitizer is Cranston's latest series Unitizer and is a result of progressive development beginning with Cranston's first Unitizer installation in 1971. The 967 is designed for continuous operation in Mill environments with minimum maintenance and operating costs.

A Cranston Exclusive! The 967 Compactor system positions the hydraulics at the sides of the machine – not over the top of your pulp!

Optional stack alignment paddles provide compaction in the third axis and are recommended when poor stack profile is present.



Automatic Machine Grade Wire

The round cross section, uniform flexibility, water resistance and strength of wire makes it an excellent strapping material for the retention and lifting of Wood Pulp Bales.

The Cranston 967 Unitizer has been designed for standard machine grade wire, offered by Cranston, or as detailed in Cranston Spec. CS003

The wire ends are joined by a 7" (177 mm) long double twisted knot featuring 3 ¼ turns.

At the heart of the Cranston 967 Unitizer, you find the industries most robust and reliable Knotter head. The 900 series head has proven itself worthy of this title for over 25 years and offers features such as a floating gripper, 8 sided cutter insert and proximity switches with LED indicators.



Conveyor opens to enhance maintenance access,

Optional double strand conveying chain, chain tensioning system and the powered conveyor lift cylinder shown

A Cranston Exclusive! The side compactors are guided at their top and bottom and powered from the side of the machine, eliminating long cantilevered arms, top mounted hydraulics and the associated maintenance difficulties.

Optional dual Conveyor drives with motor starters

The Wire Drive's 4 drive wheels (dual pinch points) assure superior traction for fast feeds and crisp tensioning. The 967's wire drive unit is powered by a hydraulic motor and is opened and closed by a hand lever.

Each hydraulic circuit is independently controlled by the PLC. Modular valves feature Indicator lights. The powered conveyor lift handle is shown (left). Brad Harrison connectors are available

The 967 System

A complete Cranston Unitizing system consists of the following elements and can be equipped to accept package flow from either direction. Auto-reverse operations are also available.

- 967 Unitizer.
- Hydraulic power unit.
- Coil cage.
- Control package (on machine or along side)

PLC Controls

Cranston's standard scope (sold separately) includes an Allen Bradley Micrologix PLC, Panel view 600+ touch screen and Level 1 diagnostics. All specified Strapping, Compacting and conveying functions are included. **Interlocks are required.**

- Available Options
- AB Compact logix,
 - Siemens S7-300
 - Mitsubishi Q02



The automatic oiler extends the life of the track while reducing maintenance.

A certified tensile tester is included and mounted on the back side of the wire accumulator.

