

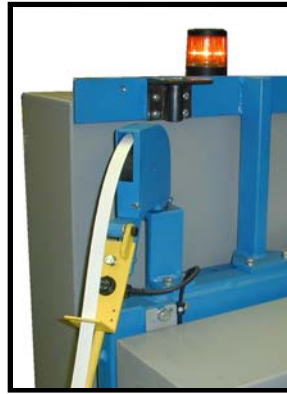
## Features that really make a difference!

**Self Contained** - The "Rap Strap Machine" is a self-contained, easy to handle machine (the strapping coil is on the machine). This allows the machine to be loaded threaded and tested prior to being inserted into the line. This Cranston exclusive speeds up machine exchanges and reduces steering difficulties associated with systems that utilize remote mounted coils or coil trailers.

**QC Coil Chuck** - The "Rap Strap Machine's" unique coil chuck is angled, allowing the operator to approach the machine for coil loading from two directions. This feature reduces the overall length of the Rap Strap machine and offers virtual "lift free" pallet-to-machine coil loading.

**Power Assist "Quick Feed"** - This system provides remarkably fast re-threads.

a) the operator inserts the end of the strap into the feed chute until it reaches the drive wheels (paused for safety) b) the operator slides the strapping that spans between the feed chute and the coil into the strap guide c) the operator activates the rethread cycle on the touch screen.



**Power Assist "Strap Clearing"** Once detected by the out-of-strap sensor, the end of the strap is stopped (prior to being pulled into the machine), the drive automatically opens, and the controls enter the rethread mode for the remnant to be pulled free.

**User Friendly** - A fully loaded Series 2005 "Rap Strap Machine" weighs just under 1200LB (544KG), well below the weight of a traditional wire strapping machine.

**Maintenance Friendly** - With creative use of simple electric and pneumatic systems in an easily accessible arrangement, most maintenance teams will find the Cranston "Rap Strap System" very easy to understand and to support. Cranston provides a very comprehensive Operation and Maintenance manual.

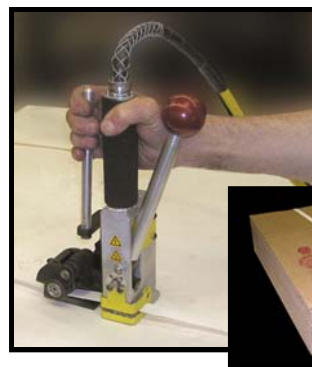
### Specifications

- Machine weight (without coil): 1000 lbs. (453kg).
- Speed: Minimum strap cycle is subject to package and machine sizes. Maximum bale per hour rate is subject to site conditions and strap pattern. Contact Cranston Machinery for a site review.

### Requirements

- Electrical (motor): 10Amp, 460V AC / 3 PH / 50-60HZ.
- Electrical (control): 10Amp, 115V AC / 1 PH / 50-60HZ.
- Pneumatic: 2 CFM (56.5 L/M) @ 80 PSI (5.5 Bar) using a 1/2" (12mm) line.
- Conveyor: Cranston's Model 61B012 (or similar) with suitable control interlocks and receptacles for the umbilical cords.
- Strapping: Cranston's Rap Strap, (or equal).

### Alternate Models



#### Handi-Bander

Designed for applications requiring manual strap tension and sealing.



#### Model 70B004

CE Euro-Version  
For interchange with a  
Sunds / Metso brand wire  
strappers.



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 warrantee effective at the time of sale. Available upon request.

Technical Specification 2002 11-08



# Rap Strap Machine

Model 70B002

## Wireless Bales



Coils shown without cover.

US Pat. 6,546,696  
Canadian Pat. 2,438,352  
European pat no. 1360112.  
(Germany, Sweden, Finland & U.K).



**Unsurpassed Performance,  
Flexibility and Features!**

**"Thru-Strap" Heat seal Technology!**

**On-Board Strap**

**Welded Steel Frame**

**Jumbo coils without lifting!**

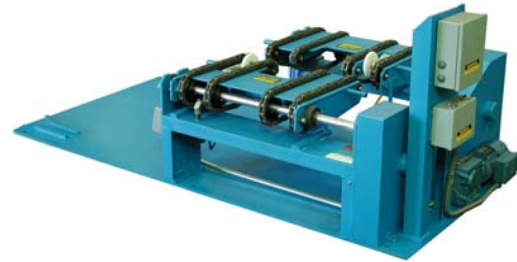
# Rap Strap System

The Rap Strap System is a complete solution, designed to satisfy your wireless bale needs. The system consists of a flexible robust strapping machine, a high strength repulpable paper strap, a very versatile hinge top conveyor, and an accessories package to optimize machine loading, maintenance and operation.

## Rap Strap Machine



The Rap Strap Machine applies repulpable paper strapping (Cranston Rap Strap) vertically around the package. The overlapping strap joint is sealed at the bottom of the bale using Cranston's patented "Thru-Strap" heat seal technology.



The Cranston Rap Strap Machine is designed for simple "roll in/roll out" installation in a Cranston strapping conveyor.

## Accessories



Some guarding is not shown



Each, "Rap Strap System", includes a Test Bale and a Coil Hook or Floor Dolly for remarkably fast and easy transfer of Jumbo coils from the pallet to the Quick Change Coil Chuck!

## RAPSTRAP

Jumbo Coils are individually bagged to optimize moisture protection during warehousing, delivery and storage

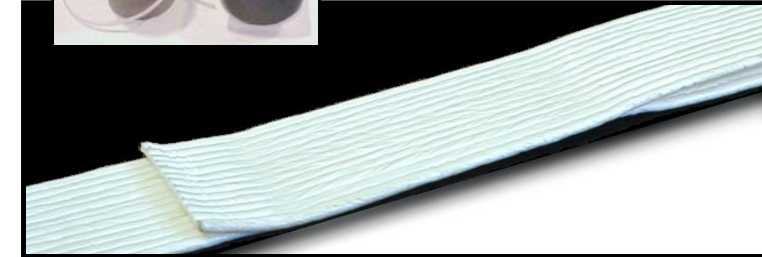
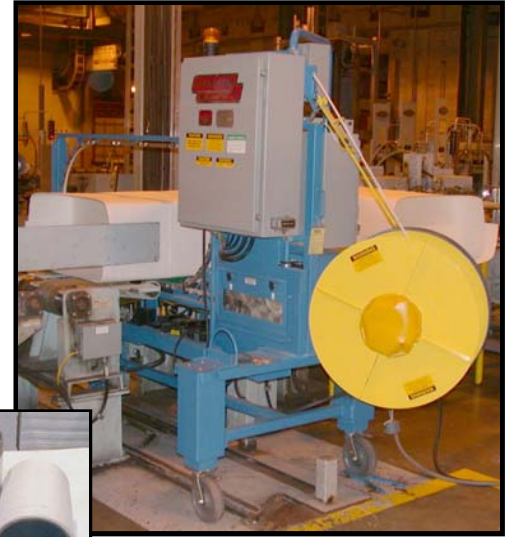
## Individually bagged.



See Rap Strap brochure Z001

## Compare!

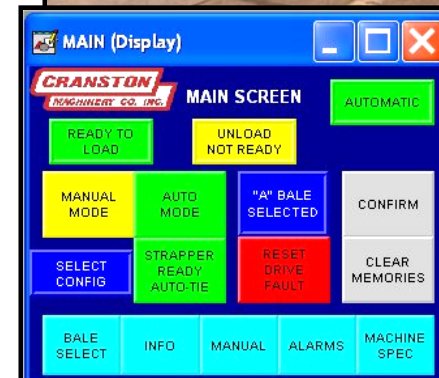
- Reliability - Industries best!**  
 Since 2001, Cranston's "Rap Strap Systems" have been in the field, hard at work, proving this claim. The equipment has been designed for the traditional pulp mill environment. It is exceedingly robust, fast, and when combined with Cranston's Rap Strap, provides minimum operator attention. Standard features like the ability to run strapping splices, On-screen Diagnostics, Alarm History and Modular components further optimize uptime!
- Efficiency - Industries best!**  
 Cranston's exclusive, pallet-to-machine Jumbo coil loading reduces operator attention, strapping loss, and packaging waste by up to 75% over systems that rely on manually lifted 1/4 size coils. The "self contained" machine design further raises the bar of efficiency – faster machine exchanges and less strap waste. **If your target is load and go! Choose the Cranston Rap Strap**
- Seal Strength - Industries best!**  
 Cranston's patented "Thru-Strap" seal technology is another Cranston exclusive and was designed specifically for paper strap. **By compressing the band and heating from the outside of the straps, the heat is literally driven through the strapping material assuring a complete adhesive bond.** Other systems are based upon plastic strapping technologies that only heat the inner surface of the strapping and do not incorporate an adequate press cycle. "Thru-Strap" seal technology provides significantly higher strap strength so you get the most the strapping has to offer!
- Heat Seal Safety - Industries best!** Cranston's Rap Strap seal head operates at an average temp of 375° F. Well below the typical 451° F flashpoint of paper. Competitive machines run at over 700°. **If safety is one of your primary concerns! Choose the Cranston Rap Strap**



## Flexibility!

**Adjustable swing arm** - for viewing the operator screen from up or downstream of the machine. A single Rap Strap Machine can be used for left hand right hand or auto reverse applications. When a Cranston conveyor is used, the standard Rap Strap Machine's controls offer enhanced bale positioning options.

- **Strap positions** (0-3)
- **Stacking:** to create a 2 x 1 or 2 x 2 pattern on the bottom bale (for increased durability) and a 1 x 1 pattern on the balance of the stack (to optimize strapping usage).
- **Stagger straps:** offsets the straps so that they do not rest on top of one another when stacked



"A complete system designed for flexibility and performance".

"Cranston's complete bale line experience pays off!"