

Model 60B060, Specifications:

Standard Bale Size

Height: 12 – 23" (304 – 584 mm)
Width: 16 – 40" (406 – 1016 mm)

Strapper Speed (typical)

Wire feed: 3.9 seconds
Wire tension and twist: 3.3 seconds
(bale size, wire patterns and conveyor details dictate final speeds)

Machine Weight: 1,055lbs (478kgs)

Requirements

Models 61B012 conveyor and 50B019 coil cart, or equal

Machine grade wire: see Cranston specification CS003

Pneumatic supply:

Economy wire: 30 cfm (850l/m) @ 80psi (5.5bar)
Heavy duty wire: 30 cfm (850l/m) @ 90psi (6.2bar)

Electrical supply:

Motor: 575V/460V, 3 phase
Control: 220V/110V, 1 phase
(electrical interface via umbilical cords from adjacent conveyor)

Appropriate control interlocks.

Included Features:

- EZ thread wire entry system
- Auto oiler
- Air Jet Kit (Knotter jets and handheld air gun)
- Out of wire sensor and beacon light
- Swing arm for operator interface
- Conveyor control w/selectable wire positions (FWD only)
- External programmer port

Available Options:

- Test stand (electrical source for off line testing)
- Test bale (substitute product for off line testing)
- Retracting wire guides
- Laptop with software
- Auto reversing conveyor control
- SAE Tool Kit
- Crossover wire entry (requires additional items)
- Custom product sizes
- Custom components
- Custom voltages
- Custom paint finishes
- CSA Electrical components
- CE certification

Alternate Models



Series 986 Hydraulic
Wire strapping system



Rap Press
Wrapper Gluing System



Rap Strap
Paper Strapping System

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 T034 090808



Automatic Wire Strapper

Series 987EP

Electrically & Pneumatically Powered



Fast, Efficient and Clean!

Unbeatable Quality!

**From the worlds leader in
Automatic Wire Strapping Equipment**



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 of Wood Pulp Bales needing to survive harsh handling or a wet environment.

The Cranston 987EP strapping machine 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 5.5" (140 mm) long double twisted knot yielding up to 93% strength of the virgin wire

Wire Size:

Economy: 15 awg (1.83 mm)
Heavy duty: 13.5 awg (2.18 mm)

Weight:

Typical coil weight: 1800 lb (816 kg)

Consumption:

Economy = 5,450 bales / 1800 lb (816 kg)
Heavy duty = 3,821 bales / 1800 lb (816 kg)

Yield:

Economy = 72.3 ft/lb (48.6 M/kg)
Heavy duty = 50.69 ft/lb (34.1 M/kg)

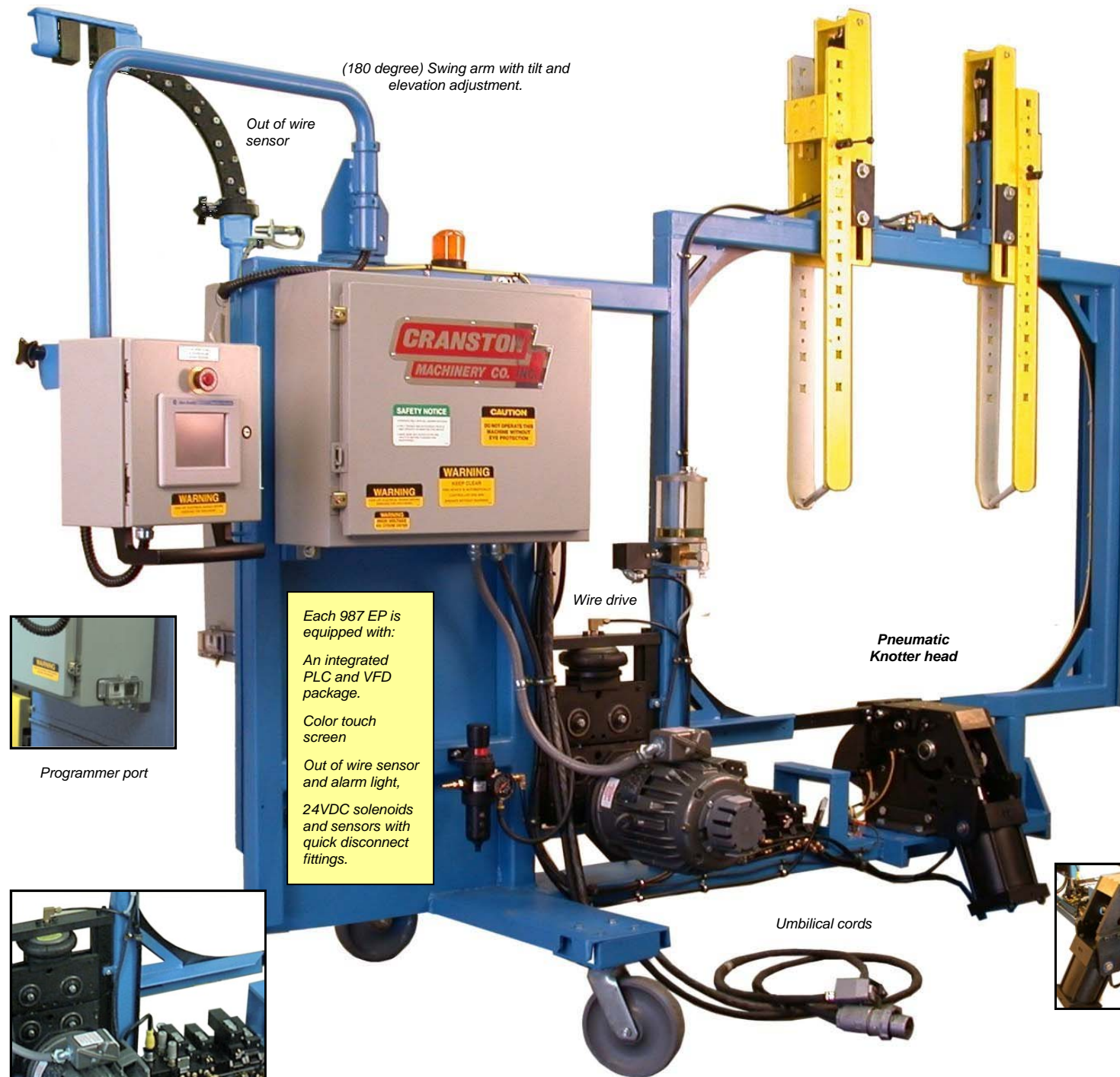
Break Strength:

Economy = 595 lb (270 kg)
Heavy duty = 845 lb (383 kg)
(145K psi (10.2K kg/cm²) tensile wire)

Typical bale 30" (762 mm) x 30" (762 mm) x 15" (381mm) with a 2x1 strap pattern

Actual bales per wire stand will depend on the number of wire strappers in the packaging line.

Optional retracting guides are available for applications where multiple height bales are present. These simple guides assure the wire is applied straight and on target.



At the heart of the Cranston 987 EP wire strapper is 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 double sided gripper, 8 sided cutter insert and proximity switches with LED indicators.

Each 987 EP is equipped with:

An integrated PLC and VFD package.

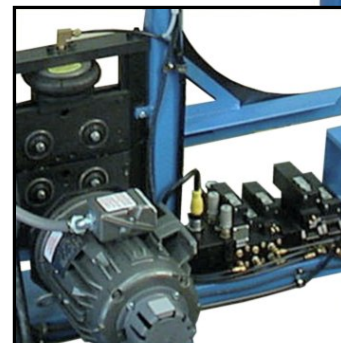
Color touch screen

Out of wire sensor and alarm light,

24VDC solenoids and sensors with quick disconnect fittings.



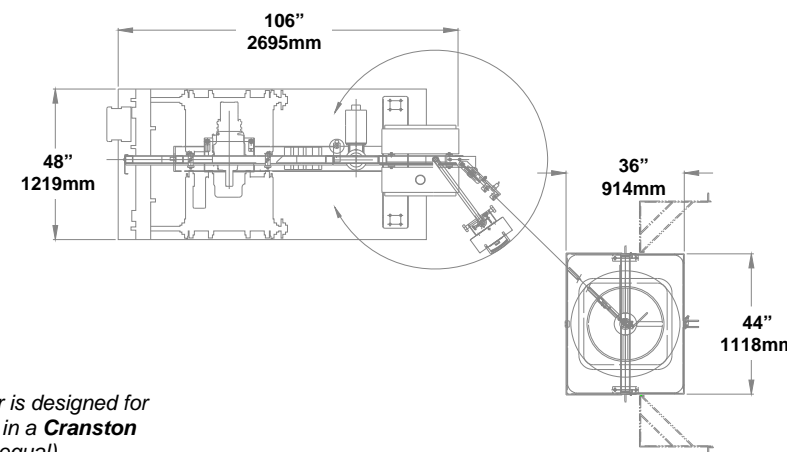
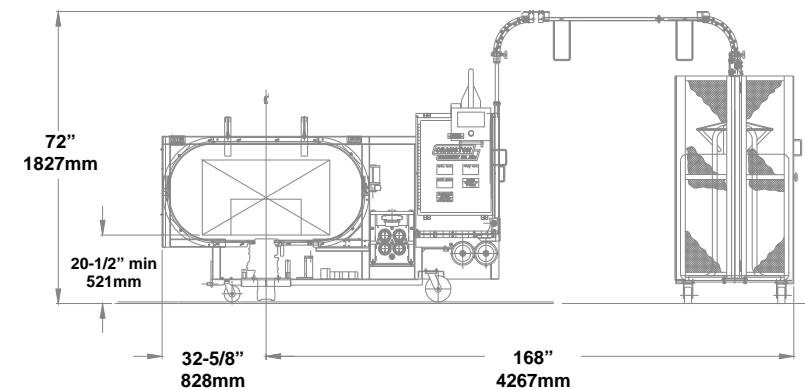
Programmer port



The 987EP's wire drive unit is now opened and closed pneumatically. The force on the 4 drive wheels (dual pinch points) assures superior traction for fast feeds and crisp tensioning and is set at startup and can be monitored by the operator using the pressure gauge.

The wire drive is driven electrically using a VFD for precise control and clean operation.

Each pneumatic circuit is independently controlled via the PLC and modular valves. Indicator lights are provided on the solenoids.



The Cranston 987 EP wire strapper is designed for simple "roll in /roll out" installation in a Cranston Strapping conveyor, (or equal).

The 987 EP System

A complete Cranston Wire Strapping station consists of the following elements and can be equipped to accept bale flow from either direction. Auto-reverse operations are also available.

- 987 EP Wire Strapper.
- 61B012 Strapping Conveyor.
- 50B019 Coil cart.

PLC Controls

Cranston's standard scope includes an Allen Bradley Compact logix PLC, Panel view 600+ touch screen with swing arm, Power Flex VFD, Built in Ethernet communications, Alarm history with date and time and Level 1 diagnostics. All specified strapping machine and conveyor functions are included. **Interlocks are required**

Available Alternatives (quoted)

- Siemens S7-300
- Mitsubishi Q02