



## JP2000

### Jam Preventer

Valco Melton's JP2000 Jam Preventer eliminates costly product jams on timed (constant product spacing) and untimed (random product spacing) machines. It electronically monitors product to detect slippage and butted or overlapped occurrences. When a preset product slippage allowance is exceeded, the JP2000 will interrupt product feed and stop the machine. Lights on the control panel identify the product sensor responsible for triggering the machine stop circuit. The Jam Preventer automatically re-arms and is ready for operation when the machine is restarted.

- Reduce machine downtime
- Decrease scrap
- Reduce incidence of "unglued" product at the gluing station
- Increase production
- Protect machine from jam damage
- CE compliance



### Multiple Prevention Locations

If most jams occur at a particular machine location, a single product sensor mounted at that location may offer adequate protection for the machine. However, if a greater degree of protection is desired, especially on troublesome machines, up to six product sensors can be installed to expand protection to each jam-susceptible location. The sensors operate independently of one another and can be placed in any area where jams are likely to occur. A relay interrupt switch inside the control cabinet allows the JP2000 to be functionally tested during machine operation without interrupting production. A system test button on the control panel, when pressed, will verify the operation of the control circuitry by shutting the machine down.

### Low-Cost Durability

The JP2000's solid state electronic components and field-replaceable PC boards are housed in a dust-proof metal cabinet. A signal generator (encoder) provides machine information. The generator is either shaft-driven or belt-driven by the product belt. The JP2000 unit uses product data and machine information to detect overlapped and butted product and other conditions that are likely to cause product jams. When such conditions are detected, the Jam Preventer interrupts product feed and stops the

#### Inside the JP2000:

- Internal circuit-monitoring LED's
- Jam sensitivity adjustment on front panel
- Double-pole, double-throw relay output
- "Armed" indicator on front panel
- English or Metric calibration
- Optional LCD product counter



**Model:** JP2000  
 JP2000C incorporates a product counter

**Enclosure:** JIC NEWA-type 12  
 10 1/2" W x 11 1/2" H x 6 1/4" D

**Power:** 120/240 VAC, field-selectable

**Inputs:** Retroreflective product sensors (up to 6)

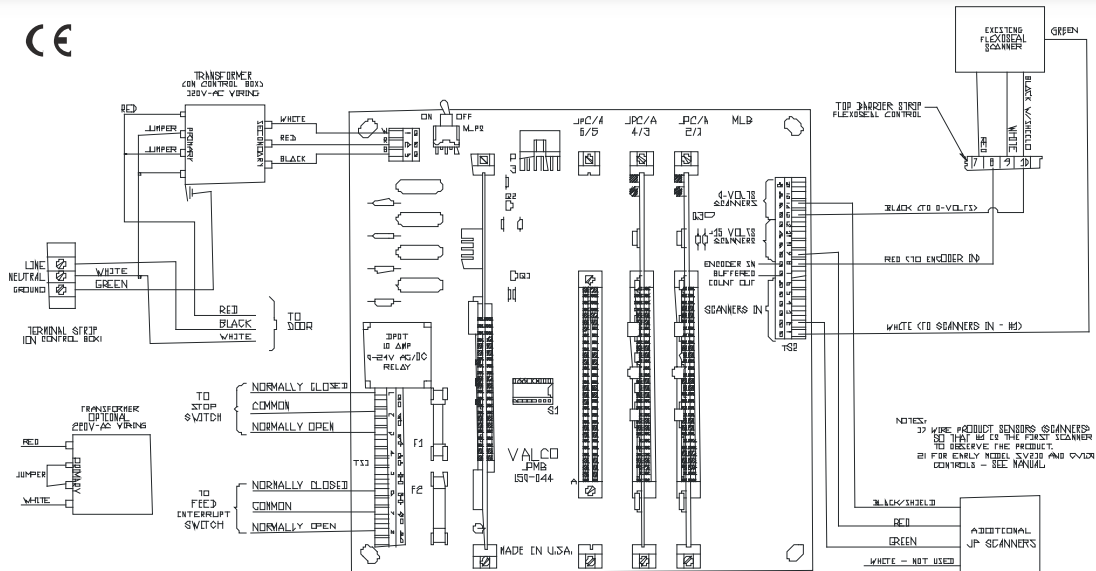
**Output:** Double-pole mechanical relay

**Features**

- Use jam protection in one to six locations
- "Sensitivity" adjustment on front panel
- Automatic arming
- Jam location indicators on front panel
- Internal circuit-monitoring LED's
- Double pole, double throw (DPDT) relay output
- "Test" button on front panel
- Missed or skipped feed will not stop machine
- Internal "relay interrupt" switch
- Front panel arming light

**Benefits**

- Allows the customer to select the number and location of sensors for the desired level or protection
- Permits the operator to set jam protection tolerance based on experience and to adjust sensitivity during a production run
- Requires no action to re-arm the system since the Jam Preventer re-arms when the machine is restarted.
- Quickly identifies location of the problem which caused the shutdown.
- Verifies at a glance that system components are operating properly.
- Provides easy adaptation to machine stop circuit, regardless of voltage
- Verifies that the JP2000 relay circuit is operating and that it will shut the machine down.
- Accepts feed variations that will not cause a jam.
- Allows troubleshooting and testing of system components without stopping production.
- Provides verification, at a glance, that system is armed.



For more information, visit <http://hub.am/17QOWDP> or contact your local Valco Melton representative.

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