



SEMITRONIK



SEAM DETECTOR

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SEMITRONIK SEAM DETECTOR is used in those places, where signalling a seam and simultaneously regulating the raising or lifting device of the machine is involved has vital advantages with shearing & cropping and shriener calendar machines.

- No. of operators can be reduced.
- Minimises the labour.
- Machine can be run at any speed which increases the production.
- Improves the quality.
- Protects the machine against any damage to the cutter and blades and steel bowl due to steam, thus increases the life of the cutters, blades and also avoids the damage to the costly fabric.

SEAM DETECTOR FOR SHEARING AND CROPPING MACHINE

Now is the time, to stand in market; particularly for textile, the quality of the fabric requires to improve.

To certain extent it depends upon efficiency of the shearing and cropping machine.

To obtain maximum shearing efficiency of the machine, the cutters and blades are required to be kept in good condition and to do so automatic detection of seam is a must.

A PROVEN ELECTRONIC SEAM DETECTOR SAVING

One attendant as seam scanner will undertake to do 80% of the activities formerly done by the attendant.

Operator can attend to more machines as he has to attend only controlling the rolling up and down of the textiles.

INCREASES THE PRODUCTION

In most cases, human eye is above all observe the textiles only upto a certain speed. The SEAM DETECTOR signals any seam irrespective of the speed of the machine beyond the persistence of eye.

IMPROVES THE QUALITY

As presence of seam is detected automatically, cutters and blades are protected and the same are kept in perfect condition which results into maximum efficiency of machine and thus improves the quality of the fabric.

REDUCES

Loss of textiles to minimum, thanks to precise detection of the seam scanner, as it is possible to maintain quality textile form upto less than 3" on both the sides of the seam.

NO LONGER DAMAGE

To valuable shearing and cropping cutter or calendering cylinder caused by seam. The SEAM DETECTOR prevents damage to calender - rollers and shearer cutter, for which the guarantee cannot be given by any attendant / operator.

RELIABILITY

SEAM DETECTOR with controlling unit is with solid state integrated circuitry with silicon transistor on printed circuit board which ensures reliability, longer life and satisfactory working.

SEAM DETECTOR detects the presence of seam which operates the cutter operating device and thus, avoids the damage to the cutter, and at the same time eliminates the constant presence of operator and minimises area surrounding the seam passing unsheared.

This device can be synchronised with any machine having sequence controller to operate no. of cutters one by one.

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Model SD / 702 is with proportional sequence controller, which operates the cutters or cutter operating device in such a way that minimum fabric besides the seam passes unsheared.

SEAM DETECTOR COMPRISES OF

Sensing device with switching amplifier and other circuitry on printed circuit board. The control relay having 3 sets of changeover contacts for operating cutter lifting or stopping device of shearing / cropping machine or pressure releasing device of calendering machine.

The control unit is also available with proportional sequence controller to operate no. of cutters in such a way that minimum area surrounding the seam is passed unsheared irrespective of speed of the machine.

MODELS

The following models are available

MODEL SD-701

This model is for signalling the seam only with auto re-set arrangement. This unit is suitable where lifting, stopping device of bowls of calender machine or cutters of shearing machine is incorporated.

MODEL SD-702

In addition to Model SD-701, this unit is with programmer. Auto re-set timers are incorporated with built in-techo-dynamo for automatic adjustment of the time, in case of speed variation.

The setting of the time interval is automatically adjusted and maintained proportional to the speed of the machine. This model is suitable for any shearing & cropping machine with any no. of cutters.

The above system is also available with :

- Digital speed indicator to indicate the speed of the machine.
- Meterage or yardage totalizer per shift/day.
- Data storage facility such as :
 - No. of machine stoppage per shift/day.
 - Stoppage time of each machine and total machine stoppage time.



For further details, contact

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