SEMITRONIK

PICK/COURSE PER CM INDICATOR AND AUTOMATIC CONTROLLER

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SET NEW RECORDS
IN RESIDUAL SHRINKAGE
CONTROL & DIMENSIONAL
STABILITY OF THE FABRIC

- Pre-shrinkage on these machines is well controlled, *but what goes in is not.*
- The random variation of numbers of pick or reed per unit area during prior processes leave the cloth with a wide range of low pick and course counts compared with those actually woven or knitted can be re-established automatically.
- When the fabric is pre-shrunk at constant percentage on these machines and then allowed to relax, it retains this same variability. Sure, the counts are higher, but the variability is the same which can be corrected automatically.
- With installation of number of Pick/Course/Cm Indicator & Automatic Controller can solve the problem by simply correcting the random variation of number picks per inch/cm at the same time the cloth is pre-shrunk.
- Semitronik's new Picks and Courses Monitors keep track of the random or scattered number of pick/unit area and compares the same with actual required counts right at entry to stenters, compactors and sanforizors.
- This new system automatically controls the overfeed or pre-shrinkage on these machines by literally putting the disturbed counts back in the same time they apply a required variable amount of shrinkage to be given to the fabric under process.
- Loom-to-loom variations show up clearly at the monitor, and they are evened out, too.
- The results are remarkable.
- Standard deviations of 0.5 down to 0.3 in residual shrinkage giving the cloth buyers exactly what they want.
- Thus manual labour or error is eliminated to know potential shrinkage/elongation required to be given or problem of residual shrinkage.
- Semitronik guarantees satisfaction. Our field engineers takes care of everything, and they are there when you need them.

ADDITIONAL FEATURES

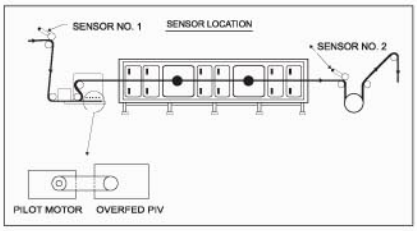
- New sensor-arrangement is such it avoids marking on fabric due to dead weight of the roller sensor/encoder.
- Meets the requirement of dimension stability of any type of the fabric.
- Performance is independent of varying characteristic of the machines type and weight of the fabric and change in production speed.
- Durable working, ease of operation with reliability of the result.
- The system also has facility to program the required no. of pick/inch or cm as per the quality of fabric and such number of program can be stored in memory and can be called as and when required.

FACILITY AVAILABLE

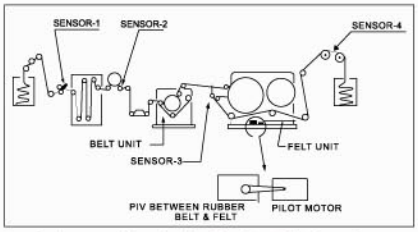
- Serial interface for PLC and computer.
- Software package for management information.

MODELS AVAILABLE

- **MODEL NPI-101**
  Only indicator to indicate numbers of pick/course per cm.
- **MODEL WNPC-102**
  Weight Per Unit Area Indicator and Automatic Controller.
  Dimensions: 325 X 170 X 400 mm
- **MODEL NPC-103**
  Number of Pick/Course/Cm Indicator and Automatic Controller.



Installation of sensors on stenter machine.



Sanforise machine indicating installation of sensors.

For further details, contact

Since our policy is of continuous development and improvement, we reserve the right to supply product which may differ from those illustrated & described in this publication.

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