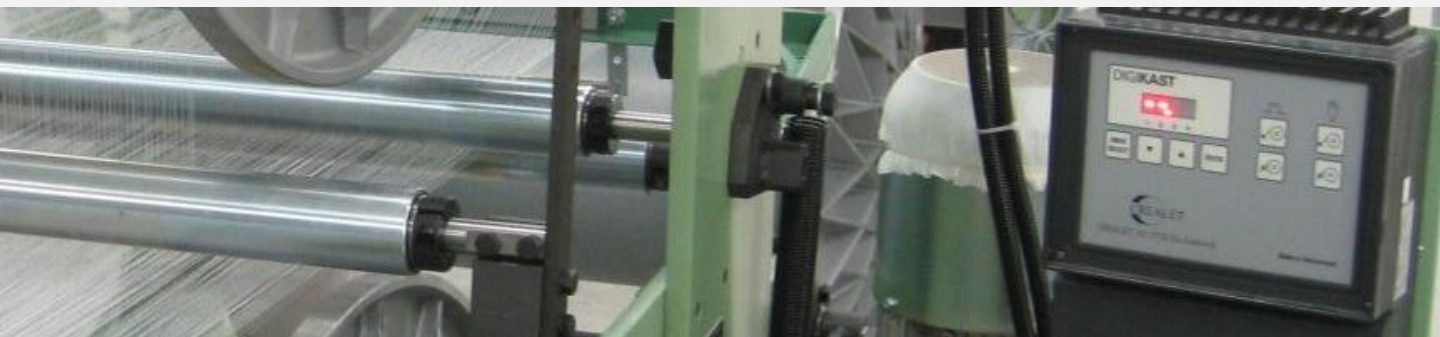


CONTROL UNIT LET-OFF DIGI-KAST



Let-off control unit to optimize the weaving procedure

OVERVIEW

The new structure of DIGI-KAST allows it to control up to four warp beams fully independently, either from each other or in a synchronized mode.

This results in considerable cost reduction when working with more than one warp beam.

The processor-controlled DIGI-KAST ensures that warp tension is maintained precisely and electronically from the full to the empty warp beam.

KEY ADVANTAGES

- simple handling
- maintenance-free
- varied parameter programming for quality optimization
- one control unit for up to four warp beams
- very cost-effective
- higher fabric quality



ENSURE EXACT WARP TENSION

The DIGI-KAST let-off control unit optimizes the weaving procedure and simplifies operation. It also has a particular influence on the fabric quality and contributes to a regular weave structure. This control system can be used as a retrofit set for weaving machines with conventional warp let off devices or for new weaving machines.

The control system is equipped with dozens of function parameters that allow it to be optimally adapted to the widest range of fabric types and weaving machines. Faulty operation by unauthorized persons is avoided by the fact that certain parameters can only be modified using a password. If any fine adjustments are needed, these can be made when machine is running.

MODES AND OPERATION

WEAVING MODE

As soon as a machine run signal between 10-48 VAC/DC is available, the control system is in weaving mode. During this process the let-off will keep the position of the back rest roller at its reference setting and thus maintain the warp thread tension at a constant level. The position of the back rest roller is measured by a linear proximity sensor. If the weaving machine run signal is set back, the let off speed is memorized.

SLOW MOTION MODE

As soon as there is a signal between 10- 48 VAC/DC available, the control system is in slow motion mode. During slow motion operation, the warp let-off turns at a speed proportional to the let-off speed last memorized. The factor of proportionality can be set using a parameter.

FUST FUNCTION MODE

If the two keys for manual operation are pushed simultaneously, the whip roller moves to its reference setting even when weaving machine is not running.

PICK FINDING MODE

Pick finding mode can be selected from an external position. Electronic pick finding is done independently from the weaving machine.

MANUAL OPERATION

The warp beam can be wound and unwound by hand with two keys.



Available Options:

EXTERNAL CONTROL PANEL

The external control panel can be mounted at weaver's position and offers the advantage of manual operation for let-off from this position.