

LET-OFF AND TAKE-UP CONTROL UNIT KAST 912



Control up to 4 warp beams independently or synchronized

OVERVIEW

The KAST 912 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.

KEY ADVANTAGES

- simple handling
- maintenance-free
- customized adaptation of let-off device with gear combination
- electronic setting of weft density
- possibility to change weft density during weaving
- varied parameter programming for quality optimization
- for very sophisticated applications
- higher fabric quality



IMPROVE FABRIC QUALITY

The new structure of KAST 912 allows to control up to four warp beams fully independently, either from each other or in a synchronized mode. The let-off KAST 912 ensures that warp tension is maintained precisely and electronically from the full to the empty warp beam.

The take-up KAST 912 is used to keep the required thread density in the fabric. The electronic system saves important time by ensuring that the required pick density is set electronically and no pick wheels are required to change pick density.

The accuracy of the settings makes it easy to adjust the pick density of the fabric for optimum fabric weight and minimum yarn consumption. Let-off and take-up are synchronized rigidly with the weaving machine in both the forward and reverse directions.



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 take-up maintains the weft density at the required value and the let-off keeps the position of the back rest roller at its reference setting and thus maintains the warp thread tension at a constant level. The position of the back rest roller is measured by a linear proximity or an absolute 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 is available, the control system is in slow motion mode. During slow motion operation, the warp let-off moves at a speed proportional to the let-off speed last memorized. The factor of proportionality can be set using of a parameter.

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 take-up and let-off can be adjusted manually using 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 take-up and let-off from this position.

LAP TOP FOR CONFIGURATION

We provide a laptop with the necessary software for reviewing and setting parameters.

