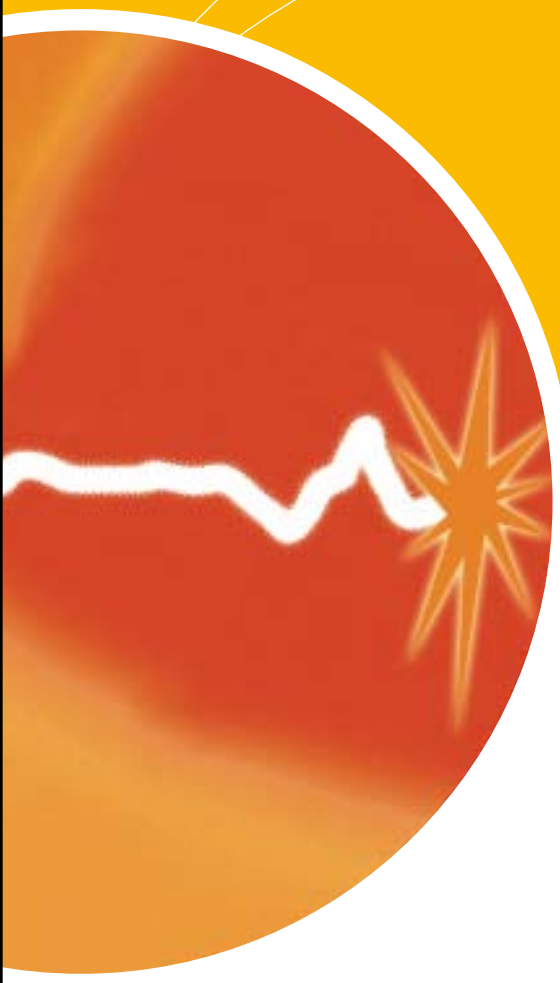
LOEPFE

MASTERS IN TEXTILE QUALITY CONTROL



WEFT*MASTER*®

KBW-L SHORT WEFT DETECTOR

FOR PROJECTILE WEAVING MACHINES

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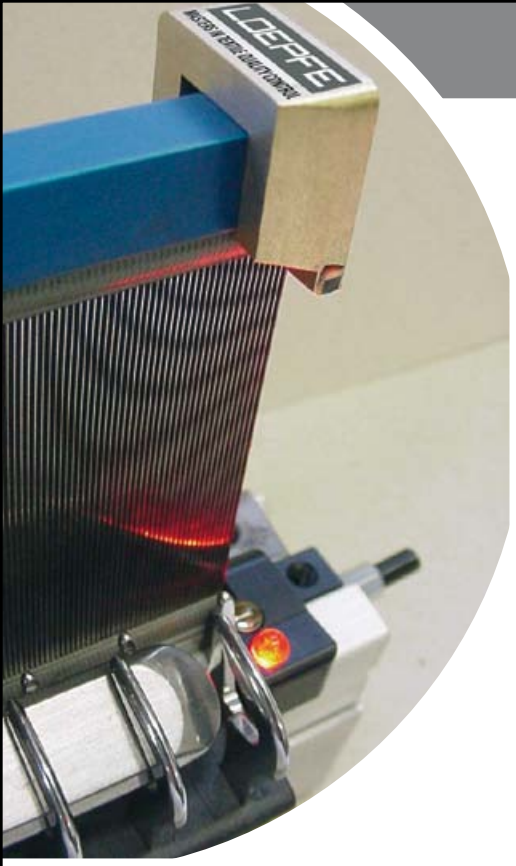
WEAVING*SOLUTIONS*



LOEPFE
MASTERS IN TEXTILE QUALITY CONTROL

SHORT WEFT DETECTOR KBW-L

The present generation of electronic weft stop motions monitors weft insertion on projectile weaving machines up to the range of 310 machine degrees, i.e. shortly after arrival of the projectile in the receiving mechanism.

The installation of the optical short weft detector KBW-L achieves an extension up to the end of the pullback phase at 0 machine degrees. This also detects safely the shortest mispicks in the right cloth selvedge area.

Specially developed for highest quality requirements in the weaving shop.

The short weft detector KBW-L from LOEPFE for retrofitting existing projectile weaving machines is available at the present time for machine types PU, P7100 and P7150.

The heart of the KBW-L is the two-part optical sensor fitted at the right end of the reed. An infrared light beam emitted by a sender attached to the bottom of the reed is sent to a miniature mirror clamped to the top of the reed and reflected to the receiver in the slay. When weft insertion is correct, the light beam crosses the weft thread at 0° and is briefly interrupted at the same time. If there is no weft thread and therefore no light interruption, the machine is deactivated at approx. 85°, i.e. after the reed impact but still before arrival of the next weft thread. Short mispicks can be easily seen and corrected by the operator n this machine position.

Sensor time control and signal evaluation are performed on the new connection print WIS18 /KBW-L used in place of the existing SULZER WIS print.

The machine stops initiated by KBW-L are shown separately on the additional signal light box. It serves also as tool for correct positioning of the miniature mirror on the reed and signals a possibly critical soiling of the weaving machine in the sensor area.