

# CONVERSIONS FOR PROJECTILE WEAVING MACHINES



**A new lease of life for your machinery**

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## OVERVIEW

Buying a new machine is not always the best solution. Instead, consider updating your existing equipment to the latest specifications. We will be happy to show you just how easy this is.

We offer a range of upgrade and expansion packages for Projectile Weaving Machines, naturally, all tailored to your specific needs.

Proven, reliable and affordable, they represent an investment in your future.

## KEY ADVANTAGES

- improve reliability
- raise quality and productivity
- extend equipment life cycles
- increase the level of automation in your machinery

## UPGRADE AND EXPANSION PACKAGES

- ELECTRONIC WARP LET-OFF FOR FULL AND HALF-WARP BEAMS
- ELECTRONIC WARP LET-OFF AND FABRIC TAKE-UP
- WARP BEAM IN HIGH POSITION
- WARP BEAM STAND
- YARN FEEDING DEVICE



# ELECTRONIC WARP LET-OFF FOR FULL AND HALF-WARP BEAMS



## OVERVIEW

Electronic let-off motions keep the warp tension at a constant level from full to empty beam; undesirable tension peaks are leveled out. The warp let-off requires no maintenance, facilitates operation and has a positive influence on fabric quality.

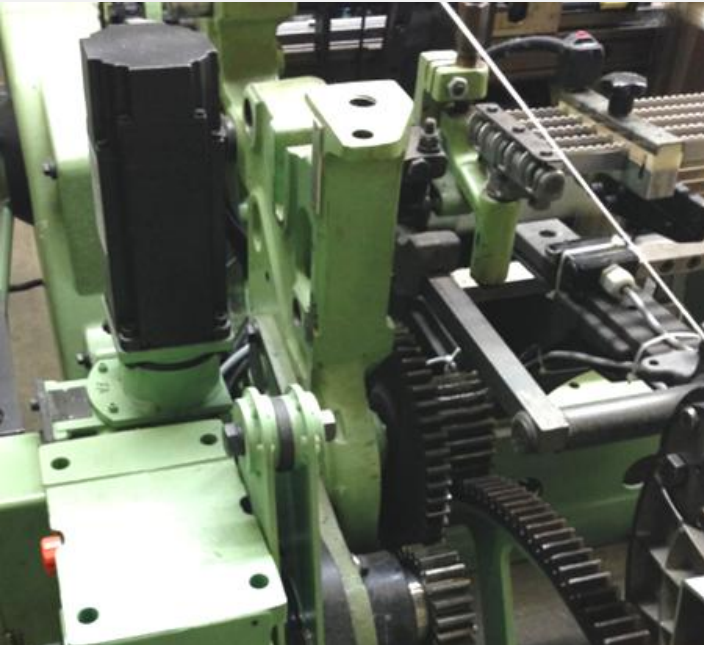
Today we can provide a conversion set not only for single but also for half width warp beams. Normally the half width warp beams execution are equipped with a mechanical differential gear to drive the second warp beam an equal tension on both warp beams are not ensured. With our conversion set we can replace the mechanical differential by a second warp let-off.

The speeds of both warp beams are controlled individually in accordance with the left and right control signals, respectively. The warp tension is measured by an absolute sensor independently of the backrest roller.

## KEY ADVANTAGES

- simple handling
- maintenance-free
- customized adaptation of let-off device with gear combination
- varied parameter programming for quality optimization
- higher fabric quality

# ELECTRONIC WARP LET-OFF AND FABRIC TAKE-UP



## OVERVIEW

Electronic cloth take-up synchronous with the electronic let-off motion has a positive influence on fabric quality.

Different weft densities can be programmed depending on the pattern.

The electronic cloth take-up needs no change wheels and the related workload is saved.

We offer special solutions for very heavy fabrics.

## 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

# WARP BEAM IN HIGH POSITION



## OVERVIEW

Warp beams in high position are designed for warp beams up to 1,016mm in diameter.

Different executions are available for single and half-warp beams, as well as for very light to extremely heavy fabrics.

## KEY ADVANTAGES

- higher warp running times
- higher plant efficiency
- lower weaving costs
- higher fabric quality

# WARP BEAM STAND



## OVERVIEW

In the case of fabrics that are woven in large quantities over a lengthy period and where traditional size warp beams are quickly woven out, warp beam stands can make the weaving process more efficient and economical.

## KEY ADVANTAGES

- higher warp running times
- higher plant efficiencies
- less personnel needed
- lower weaving costs
- higher fabric quality

# YARN FEEDING DEVICE



## OVERVIEW

The warp feeding device works as a warp tension regulator between creels and weaving machines.

It pulls the yarn from the creel normally with a lower tension than used for weaving.

## KEY ADVANTAGES

- uniform yarn tension for the weaving process
- easy tension setting on the weaving machine
- no adjustment on creel side when fabric change
- higher fabric quality