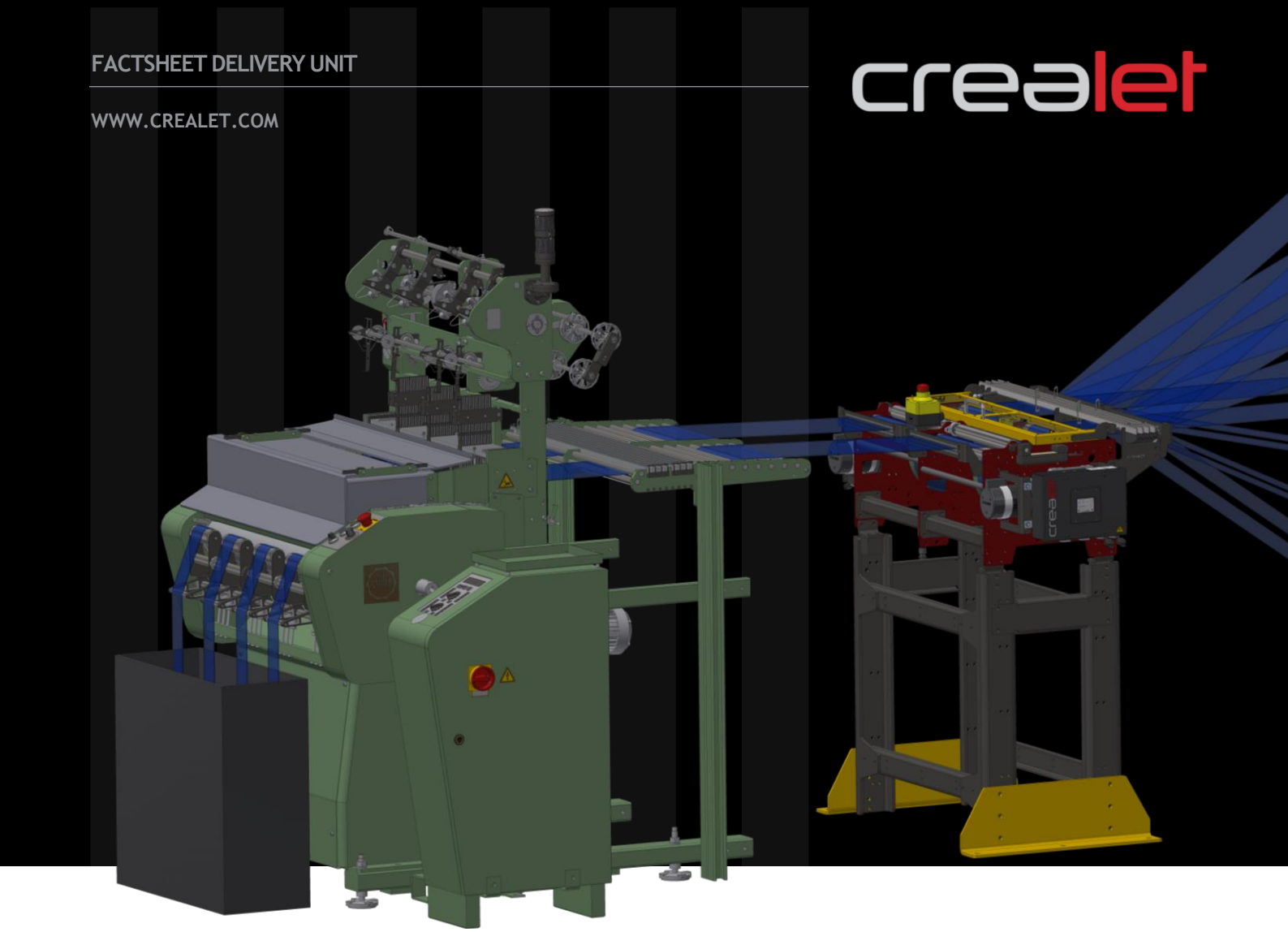

DELIVERY UNIT FOR NARROW LOOMS

DESIGNED FOR WEAVING FROM CREEL WITH FEEDING ROLLER

OVERVIEW

When warp beams are quickly woven out due to low weft densities or coarse yarns, it results in frequent warp beam changes, which reduces the efficiency of the weaving machine.

In such cases, weaving from creel could be a practical alternative. In this application the warp yarns are fed individually from yarn spools to the weaving machine.

KEY ADVANTAGES

- Uniform and controlled warp thread tension
- Precise and easier setting of the required warp tension
- Visualization of the warp tension
- Ensuring consistent reproducibility
- Reduces downtimes of the weaving machine
- Improved product quality and less waste

swiss textile machinery

Save resources. Print responsibly.

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FACTSHEET DELIVERY UNIT

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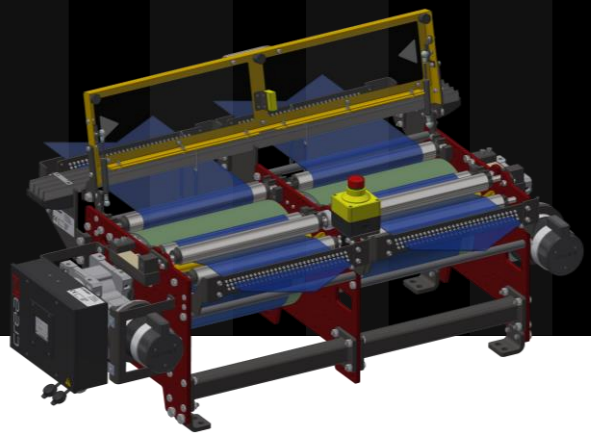


CONSTANT WARP THREAD TENSION

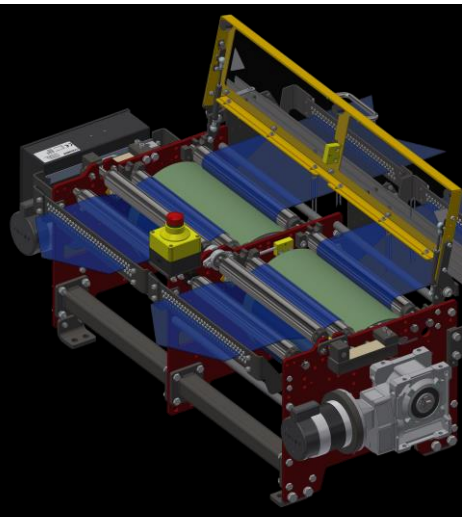
When weaving from a creel special attention should be given to the warp delivery unit between creel and weaving machine. This unit ensures that the weaving machine is provided with the correct length of warp yarn. By using a delivery unit to maintain the constant tension of the warp threads, the productivity and product quality of the weaving machine can be further improved.

The delivery unit regulates the warp tension between the creel and the weaving machine. A feeding roller guides the warp material to the weaving machine with the desired tension. Typically, the warp tension between the creel and the delivery unit is lower than the tension between the delivery unit and the weaving machine.

The warp tension between the delivery unit and the weaving machine is measured by a load cell and monitored by the control unit. The required warp thread tension can be directly adjusted via the control unit.

Bobbin creels are used in technical applications such as warping, weaving, knitting, and pultrusion. They must accommodate the required number of spools and ensure that the yarn tension is equal across the entire warp sheet. The size of the bobbins creel and the number of spools depend on the number of yarns. If the available space is insufficient, using additional warp beams in a separate frame provides the optimal solution.

LET US CREATE TOGETHER THE SOLUTION FOR PRECISE WARP TENSION AND SUPERIOR TEXTILE QUALITY!



CUSTOMIZED WARP SYSTEMS

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