



BALL WARPING MACHINE

**BW-500<sup>®</sup>**

BW-500

ball warping machine

ball warper machine

halat sarma makina

balle ourdissoir

halat sarma makinası

ball warping m

## BALL WARPER

- SIEMENS PLC control enables loading, unloading, machine start & stop and speed setting to be done automatically
- SIEMENS 9" touch panel
- industry 4.0 ready
- the set and actual values can be remotely managed & monitored
- adjustable log pressure, automatic tension control system
- dust removal by air on comb
- easy leasing control: when the desired setting length is reached, the speed reduces to creep speed automatically so that there is no need to stop the machine for treating leasing band. The creep speed can be adjusted.
- yarn feeding system fitted with servo motor drive, so that the travel distance & speed can be set for high precision positioning & re-positioning. Asap nice edges of the warp balls are created & invisible yarn breakages during uncreeling are reduced.



working width	1.200mm
max. speed	500m/min
max. traverse speed	150m/min
max. tensile force	1.100N
max. ball diameter	1.600mm

BALL WARPER

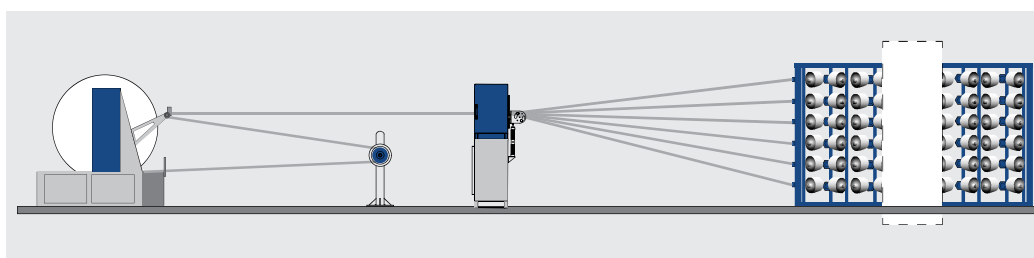
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BALL WARPER

TECHNICAL DATA

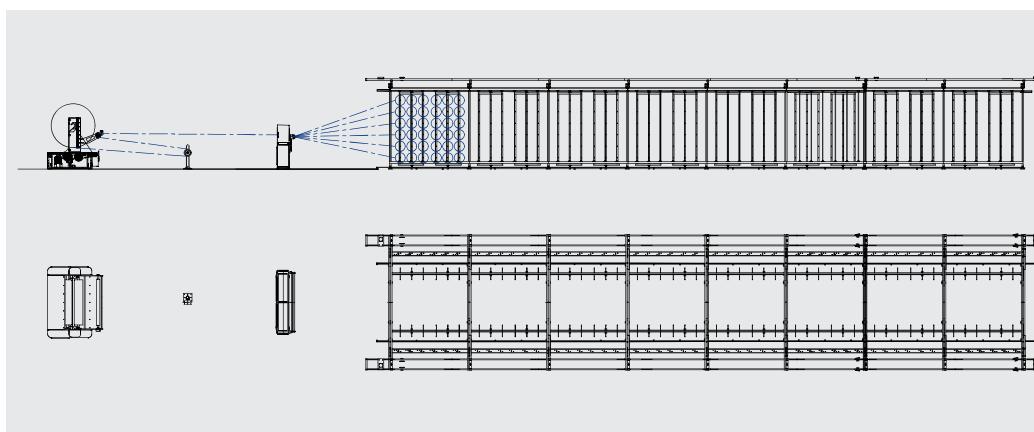
## H-CREEL SYSTEM

- draw-off outward type system
- double sided package trolley consists of two traveling wheels with ball bearing and two wheels for easy inserting of trolleys in the creel structure
- special arrangement for turning trolley at 360° on the spot
- the trolley is also provided with top ball bearing for free running in the creel with top guide
- the machine will automatically stop if the yarn breaks
- second set of trolley can be reloaded outside the creel
- the tension is activated by means of high precision ss. spring element, mounted on a second pair of tensioner discs. The lower tension discs are supported over sponge washer to dampen the sudden peaks in yarn tension due to knots. Because of straight yarn path, the yarn cannot jump out of the disc, but even running at warp speeds of 500m/min.
- desired tension can be adjusted for fine & perfect tension setting in the entire creel. All the spring elements in the tensioner frames are controlled by motor through rack and pinion mechanism for centrally control of tensions in each side of the creel.
- optical sensing contacts less-stop motion arrangements for highly sensitive & quick response braking performance. The new system is fitted with relay blocking device to identify the exact thread snap and to avoid other bulb glowing in case of yarn slackness while machine stops.



BALL WARPERS

WORK FLOW



BALL WARPERS

H-CREEL

# PRO-SMH

