

# ***Nova 10***

circular loom

Higher Working Speed

Excellent Weaving Quality

Low Energy Consumption

Low Maintenance Cost



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circular loom



## 10-Shuttle Loom

**Nova 10** is a new generation high speed loom, specifically designed to meet various requirement of both light and heavy fabrics.

## LF version

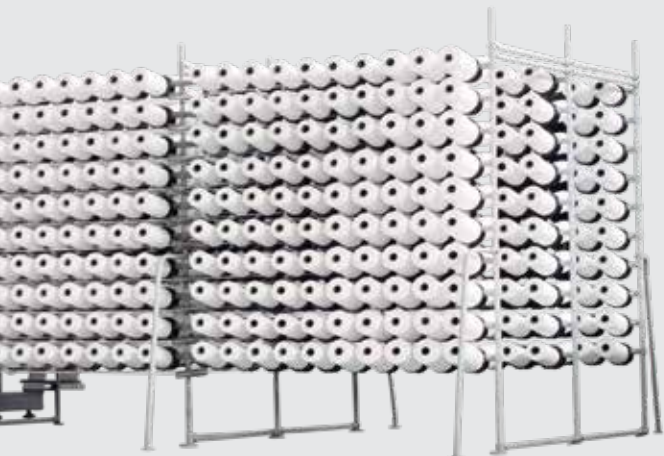
Designed for lighter fabrics that are used for applications like tarpaulin, lumber cover, agro textiles, jumbo bags etc.

## HF version

Designed for heavier fabrics used mainly for cross corner jumbo bags (FIBC's), geotextile applications etc.

Working Width - Double Flat  
**170 to 225 cm**

Weft Insertion Rate (max.)  
**700 ppm\***



## OPTIONAL EQUIPMENTS

- Gusseting Device
- Fabric Slitting Device (Thermal/Ultrasonic)
- Fabric Unfolding Device
- Additional Fabric Surface Winder (Standard/ Wide width)
- Warp Re-inforcement Compensation
- Loom Data Monitoring System



### INLET DRIVE

**Positive Warp In-feed System** having inlet motor with load cell control, regulates the tension of warp tapes on each inlet roller separately, by controlling its speed. Desired warp tension can be adjusted depending on fabric/tape specs. to improve fabric quality.



### LOOM CONTROLLER

**Microprocessor Based Control System** is used for setting various machine & process parameters. Performance parameters such as Shift wise as well as cumulative production, efficiency, breakage as well as exhaustion incidents of warp & weft, roll length are updated/seen.



### MAGAZINE WINDER

Magazine winder is recommended for winding heavy GSM tubular fabrics used for FIBC applications in which desired fabric tension can be adjusted by regulating torque through winder motor. The fabric roll is located above the ground level for ease of unloading with a forklift.



### WARP RE-INFORCEMENT COMPENSATION

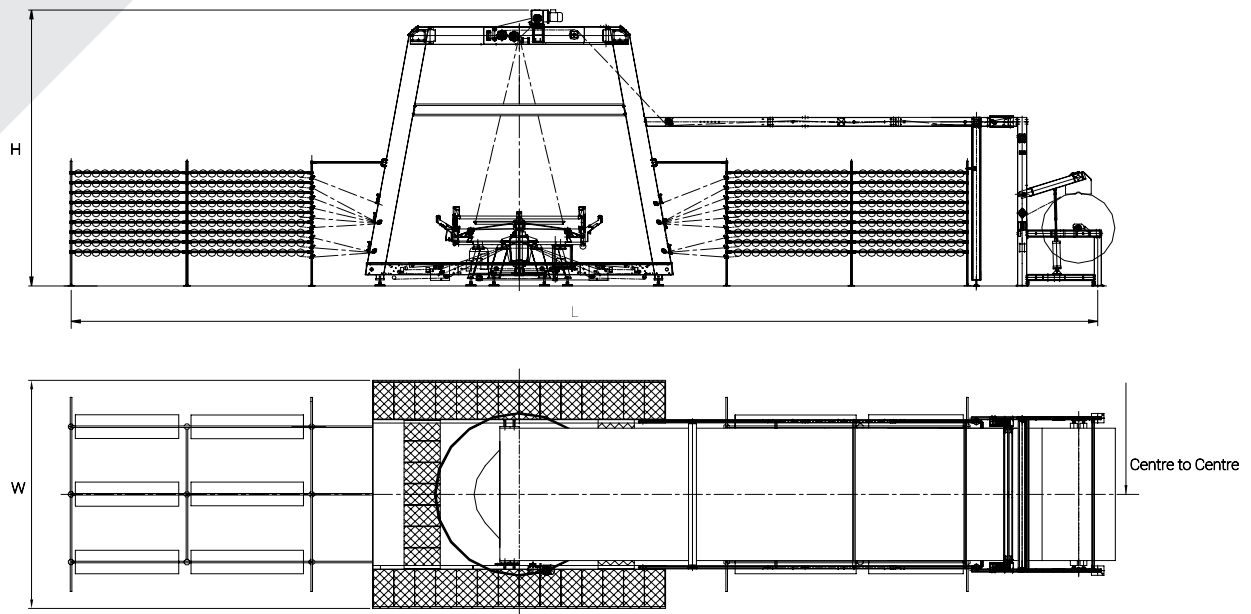
Separate re-inforcement blocks are mounted on compensation system for efficient production of FIBC fabric with re-inforcement strips.

### LOOM DATA MONITORING SYSTEM

**LDMS** collects data from loom controller and facilitates in indicating running status with performance of loom/group of looms on the network on shift wise, daily, weekly or monthly basis.

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Working Width - Double Flat	170 to 225 cm
No. of Shuttles / Loom	10
Weft Insertion Rate (max.)	700 ppm*
Warp / Weft Core Internal Diameter	35 mm**
Warp / Weft Core Length	218 mm**
Warp Bobbin Diameter (max.)	160 mm**
Weft Bobbin Diameter (max.)	115 mm
No. of Tapes (LF / HF)	1680 / 2520
Fabric Roll Diameter (max.)	1200 mm
Dimensions (L X W X H)	LF - 14.9 x 4.1 x 4.7 m HF - 18.8 x 3.9 x 4.8 m
Centre to Centre (LF / HF)	LF - 4.1 m HF - 3.9 m

LF version for light fabrics and HF version for heavy fabrics.

\* Actual processing speed depends upon reed version, fabric width, construction, tape specifications, quality of tapes and winding.

\*\* Special versions on request.

Specifications are subject to change without prior notice, due to continuous developments. These are indicative and not binding.

Extreme values indicated are not achievable simultaneously.

The pictures/layout may show LF or HF version or optional equipments that are not a part of the standard supply.

For details, refer to the quotation.

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