

# ***nova 12***

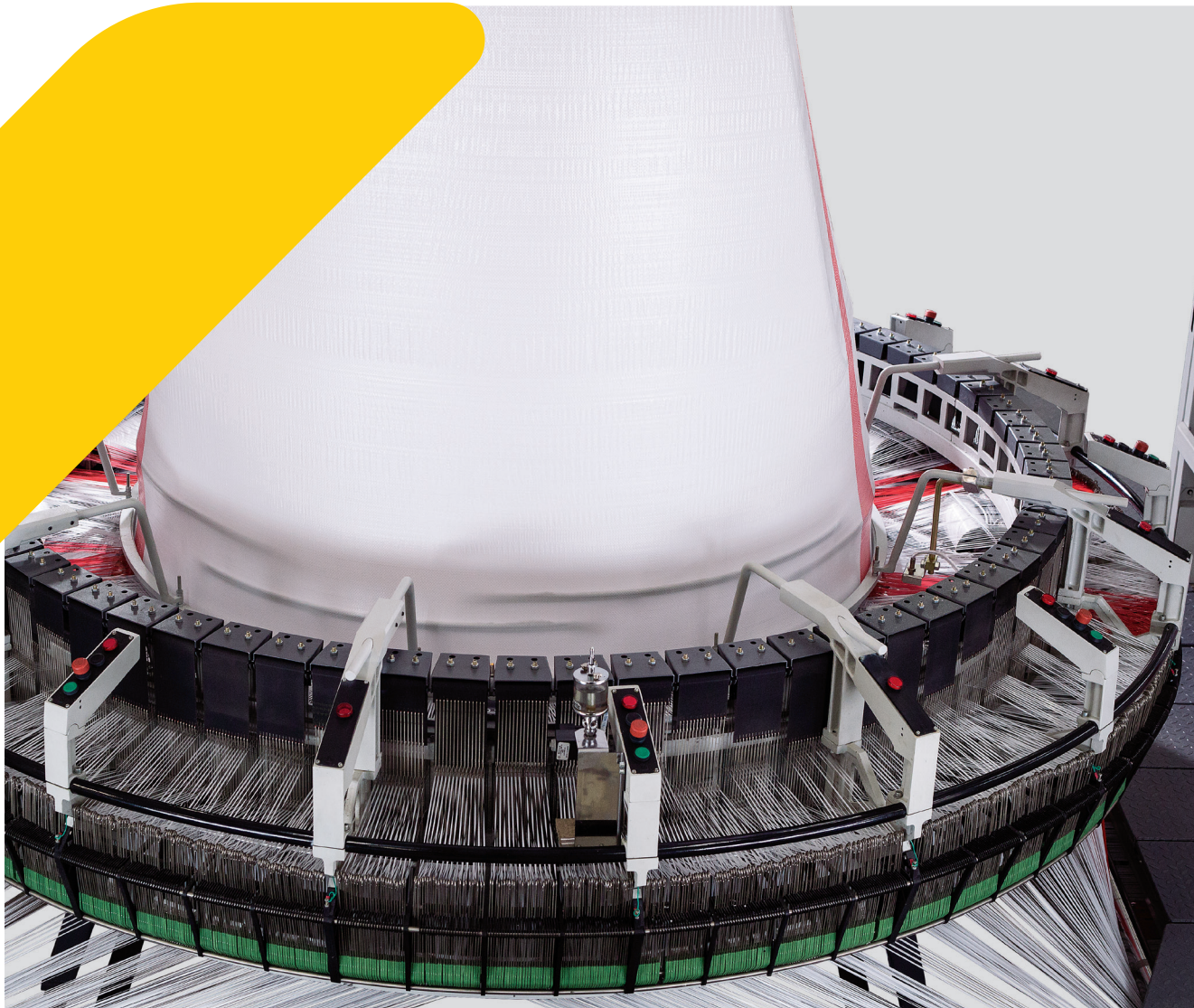
circular loom

Higher Working Speed

Excellent Weaving Quality

Low Energy Consumption

Low Maintenance Cost





# nova 12

circular loom



## 12-Shuttle Loom

**nova 12** is the biggest loom in new generation nova series to meet various requirement of both light and heavy fabrics.

## LF version

Designed for lighter fabrics for variety of end applications like wrapping fabrics, tarpaulin, lumber cover, agro textiles etc.

## HF version

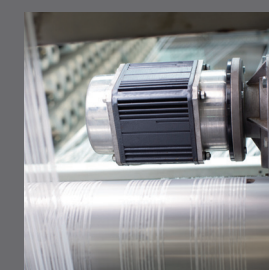
Designed for heavier fabrics used for geotextile applications, special purpose FIBC's etc.

## OPTIONAL EQUIPMENTS

- Gussetting Device
- Fabric Slitting Device (Thermal/Ultrasonic)
- Fabric Unfolding Device
- Additional Fabric Surface Winder (Standard/ Wide width)
- Loom Data Monitoring System

Working Width - Double Flat  
**250 to 295 cm**

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



### 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.



### WIDE WIDTH SURFACE WINDER

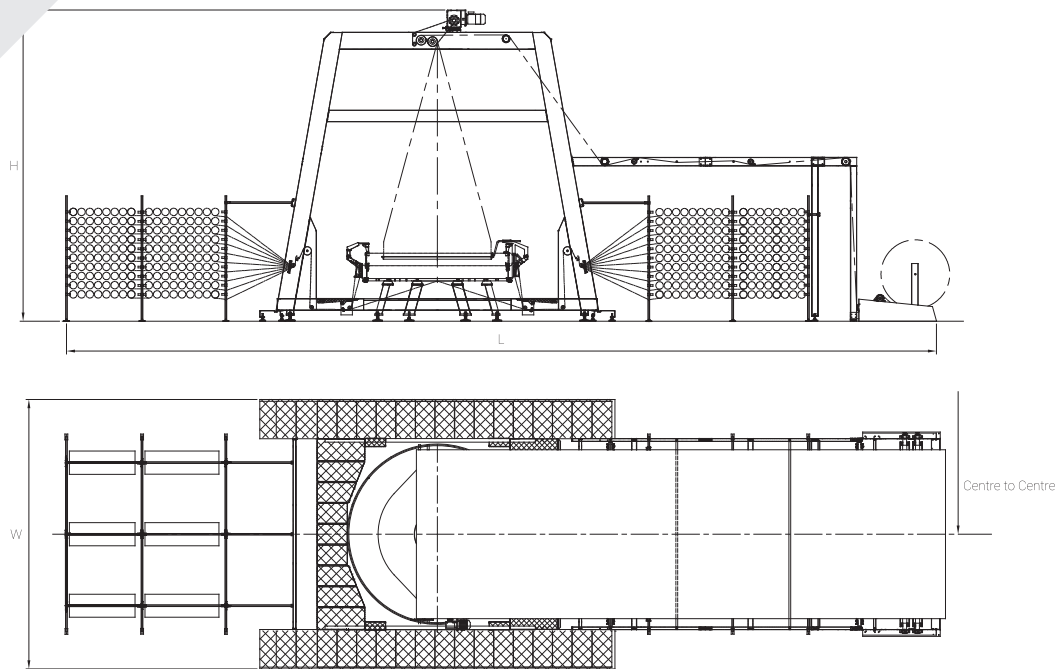
Uniform winding tension of flat fabric (after slitting & unfolding) is maintained throughout the fabric roll built-up by using load cell/torque control system.

### 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	250 to 295 cm
No. of Shuttles / Loom	12
Weft Insertion Rate (max.)	650 ppm*
Warp / Weft Core Internal Diameter	35 mm**
Warp / Weft Core Length	218 mm**
Warp Bobbin Diameter (max.)	130 mm**
Weft Bobbin Diameter (max.)	115 mm
No. of Tapes (LF / HF)	2016 / 2880
Fabric Roll Diameter (max.)	1200 mm
Dimensions (L X W X H)	LF - 15.3 x 4.7 x 5.4 m HF - 17.3 x 4.7 x 5.5 m
Centre to Centre	4.7 m

LF version for light fabrics & 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 may show LF or HF version or optional equipments that are not a part of the standard supply.

For details, refer to the quotation.

### HEAD OFFICE & WORKS

Lohia Corp Limited  
D-3/A, Panki Industrial Estate  
Kanpur - 208022, India

T: +91 512 2691221/9936294101  
E: [isl@lohiagroup.com](mailto:isl@lohiagroup.com)

W: [lohiagroup.com](http://lohiagroup.com)

### OFFICES IN INDIA

**AHMEDABAD**  
T: +91 79 40373570  
E: [ahmedabad.isl@lohiagroup.com](mailto:ahmedabad.isl@lohiagroup.com)

**DELHI**  
T: +91 11 26163281  
E: [delhi.isl@lohiagroup.com](mailto:delhi.isl@lohiagroup.com)

**KOLKATA**  
T: +91 33 46022333  
E: [marketing.kolkata@lohiagroup.com](mailto:marketing.kolkata@lohiagroup.com)

**BENGALURU**  
T: +91 80 41137799  
E: [bangalore.isl@lohiagroup.com](mailto:bangalore.isl@lohiagroup.com)

### OVERSEAS OFFICES & ASSOCIATES

**BANGKOK** T: +66 26606255, E: [thomas.berlingen@lohiagroup.com](mailto:thomas.berlingen@lohiagroup.com)  
**DUBAI** T: +971 55 799 2288, E: [zied.sakhria@lohiagroup.com](mailto:zied.sakhria@lohiagroup.com)  
**JAKARTA** T: +62 21 5859752, E: [benny.giat@lohiagroup.com](mailto:benny.giat@lohiagroup.com)  
**MIAMI** T: +1 305 2546212, E: [lac@lohiagroup.com](mailto:lac@lohiagroup.com)  
**MOSCOW** T: +7 495 2692690, E: [vladimir.kondratiev@lohiagroup.com](mailto:vladimir.kondratiev@lohiagroup.com)  
**SAO LEOPOLDO-BRAZIL** T: +55 51 993999193, E: [daniel.schnorr@lohiagroup.com](mailto:daniel.schnorr@lohiagroup.com)