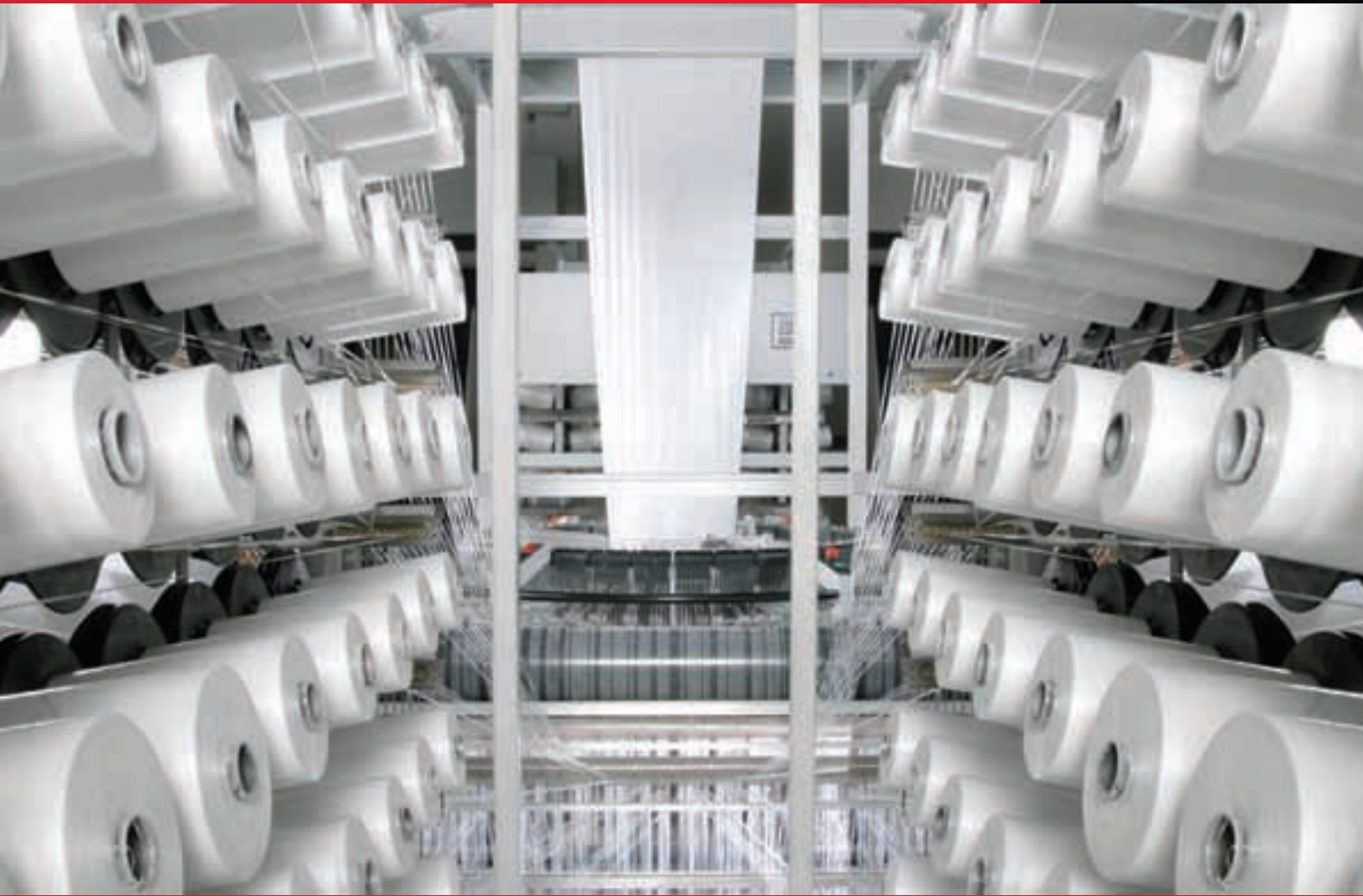




weaving

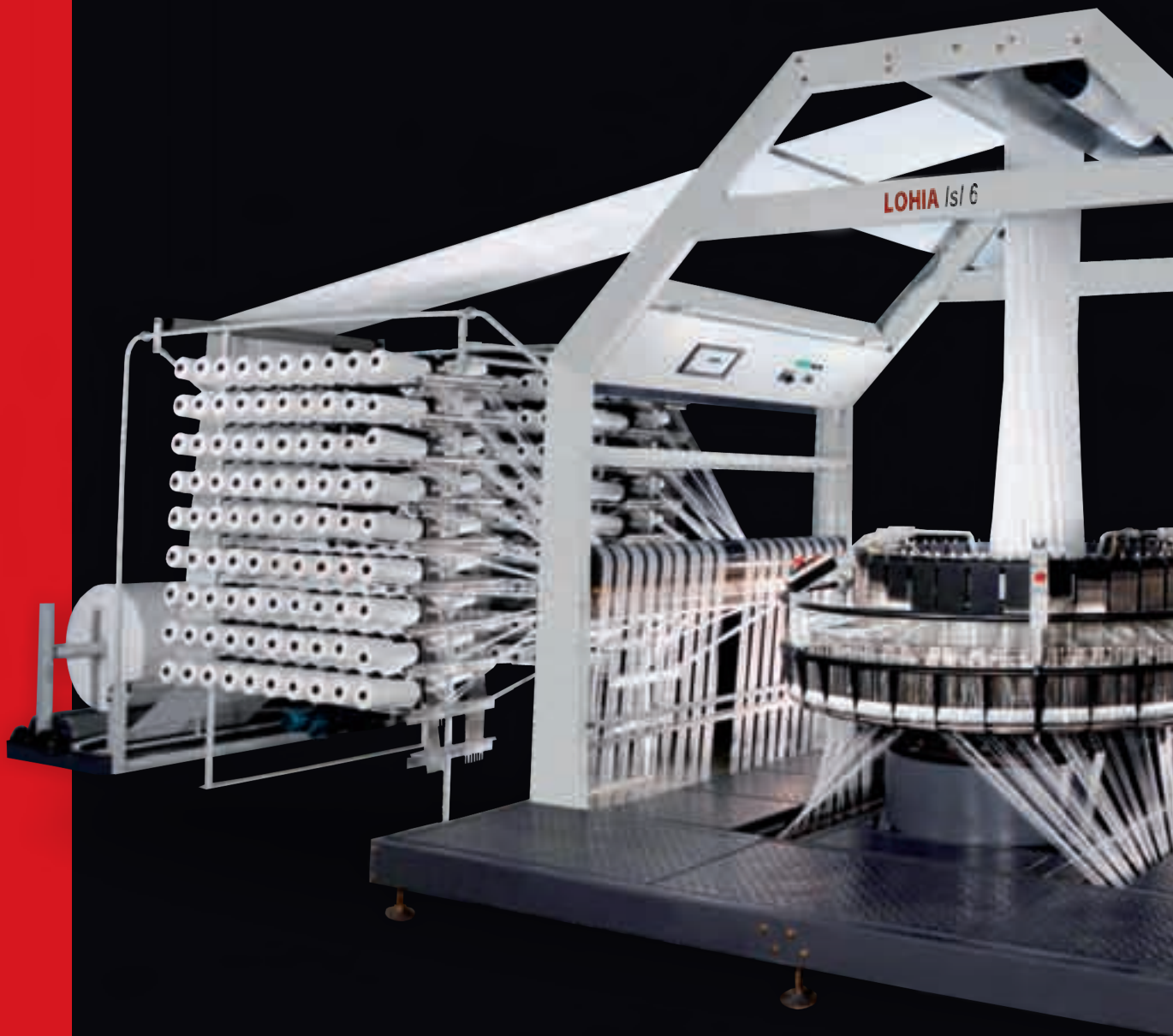
Circular Looms



LOHIA
STARLINGER **LIMITED**

Innovation to leadership
Since 1981





The *Isl 6* machine has a wide range of fabric weaving width to cater to a vast range of end applications. The *Isl 6* model has an option to produce anti-slip fabric for packaging of food grains and other special requirements. This model can also be converted to produce open mesh fabric.

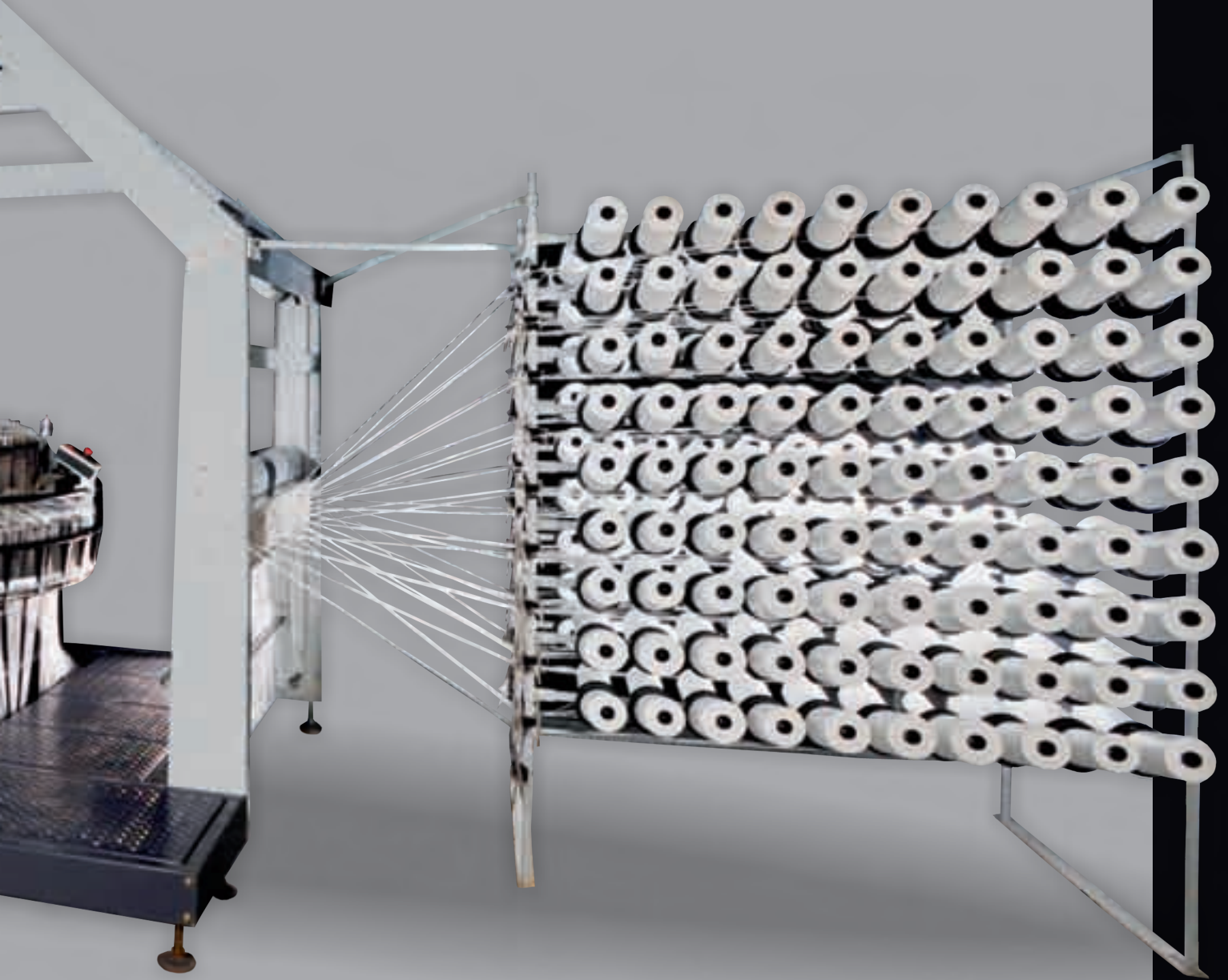
The other Loom models in this family of looms are *leno4* ,

Isl 610 and *Isl 620*. They have different range of processing with respect to width and speed and there are many variants to cover a large range of applications viz. packaging of plastic granules/ chemicals/ fertilizers/ food grain/ seeds/ husk or cattle feed/ cone & fabric rolls in textile industry, covering fabric including Tarpaulins, Leno (open mesh) fabric for perishable fruits/vegetables etc.

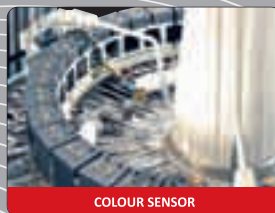
Circular Looms of Lohia Starlinger Limited have been developed to make high performance weaving machines for producing tubular/flat woven fabric of PP/HDPE tapes with minimum defects (which can also be considered as zero defect fabric).

The looms are designed to weave light to heavy fabrics and

are suitable for variety of applications. These looms are combination of latest technology and excellent workmanship leading to advantages of lower energy consumption, lower maintenance etc. thus making them the best choice for customers desiring flexibility for the demands of the global market.



MAGNETIC SENSOR



COLOUR SENSOR

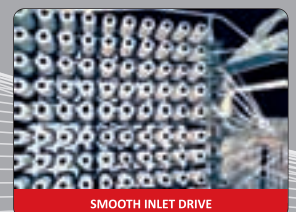
- Higher working speed
- Lower energy consumption
- Lower maintenance cost
- Better space utilisation



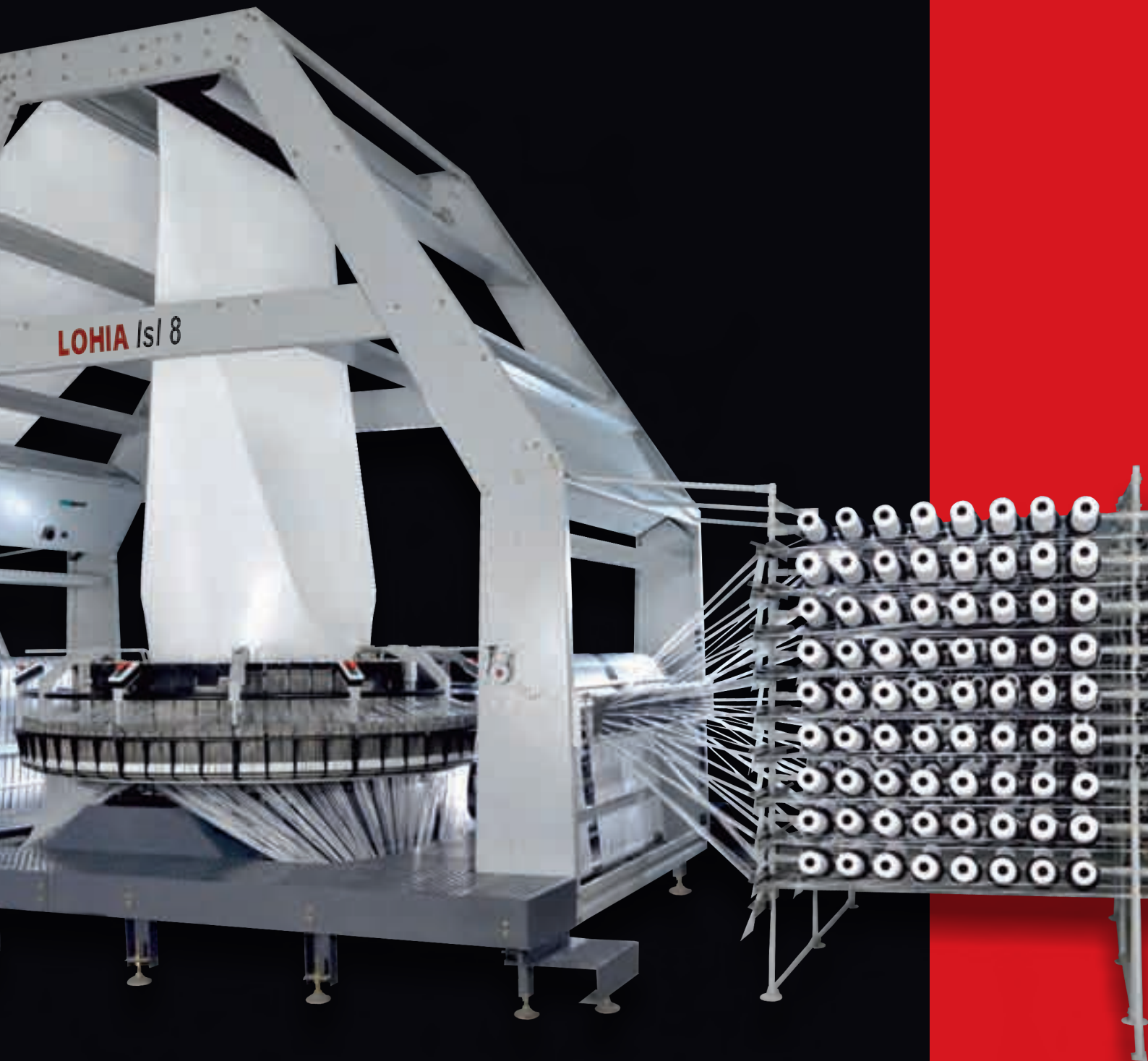
Micro-processor based controller system is used for setting various machine parameters as well as for indicating useful production data. Detailed information for shift wise as well as cumulative production, machine efficiency, and actual running time with warp/weft breakage and weft end incidents can be obtained by the machine evaluation system.



MACHINE CONTROLLER



SMOOTH INLET DRIVE



Isl 8 machine model is specially designed to weave heavy fabric at high production rates. The tension of warp tapes is regulated by a positive in-feed system, for production of fabric of improved quality. Speed of inlet rollers is regulated during weaving. There are variants available in this model for light fabric tarpaulins, large container bags, wrapping fabric etc.

The other Loom models in this family of looms are *Isl 620* (with optional attachments for heavy fabric) and *Isl 10*. They have different range of processing with respect to width and speed and many variants to cover a large range of applications viz. Geo Textiles, FIBC or Jumbo bag fabrics, Tarpaulins etc.

TECHNICAL SPECIFICATIONS

Circular Looms

MODEL	Leno 4	LSL 6
Working width		
Double flat	48 to 70 cm	48 to 85 cm
Special version possible	25 to 48 cm & 70 to 75 cm	30 to 48 cm & 85 to 95 cm
No.of shuttle	4	6
Capacity		
Weft insertion rate	425 per minute*	900 per minute*
Weft density	10 - 37.5 per 10 cm	20 - 75 per 10 cm
No.of tapes	576	720
Wrap bobbin		
Internal diameter	35 mm*	35 mm*
Length of core	218 mm**	218 mm**
Max. bobbin diameter	130 mm**	130 mm**
length of traverse	200 mm**	200 mm**
Weft bobbin		
Internal diameter	35 mm*	35 mm*
Length of core	218 mm**	218 mm**
Max. bobbin diameter	115 mm**	115 mm**
length of traverse	200 mm**	200 mm**
Creel capacity		
Bobbin per machine	576	720
Special version possible	-	-
Fabric winder		
Max. roll diameter	1200 mm	1200 mm
Machine dimensions		
Length x Width x Height	9.15 m x 2.79 m x 3.11 m	9.72 m x 2.79 m x 3.11 m
Centre to centre	2.20 m	2.20 m

* Depends on fabric size, construction and tape specifications.

** Special versions on request.

Specifications are subject to change without prior notice due to continuous developments. These details are indicative and not binding. Extreme values indicated are not achievable simultaneously.

The pictures may show optional equipment that are not a part of the standard supply. For details, refer to quotation.

LSL 610	LSL620	LSL 8	LSL 10
70 to 110 cm	85 to 135 cm	150 to 185 cm	195 to 230 cm
110 to 120 cm	135 to 155 cm	185 to 200 cm	230 to 250 cm
6	6	8	10
740 per minute*	700 per minute*	660 per minute*	660 per minute*
20 -75 per 10 cm	20 - 75 per 10 cm	20 - 75 per 10 cm	20 -75 per 10 cm
1080	1296	2240	2560
35 mm*	35 mm*	35 mm*	35 mm*
218 mm**	218 mm**	218 mm**	218 mm**
130 mm**	130 mm**	130 mm**	130 mm**
200 mm**	200 mm**	200 mm**	200 mm**
35 mm*	35 mm*	35 mm*	35 mm*
218 mm**	218 mm**	218 mm**	218 mm**
115 mm**	115 mm**	115 mm**	115 mm**
200 mm**	200 mm**	200 mm**	200 mm**
1080	1296	2240	2560
-	-	1568 / 2560	1792 / 2880
1200 mm	1200 mm	1200 mm	1200 mm
11.81 m x 3.10 m x 4.26 m	13.24 m x 3.24 m x 4.34 m	16.23 m x 3.73 m x 4.68m	16.47 m x 3.99 m x 4.70 m
2.50 m	2.64 m	3.73 m	3.99 m

Optional Device (available for all models):

- Gusseting device
- Fabric Slitting device (Thermal/Ultrasonic)
- Fabric Unfolding device
- Additional Fabric Winders (Standard and Wide width)
- Positive Warp In-feed system (Load Cell/Torque Motor)
- Loom Data Monitoring System

Optional Device (available for specific models):

- Re-inforcement Compensation system
- Anti-Slip Weaving kit
- Double deck compensation



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