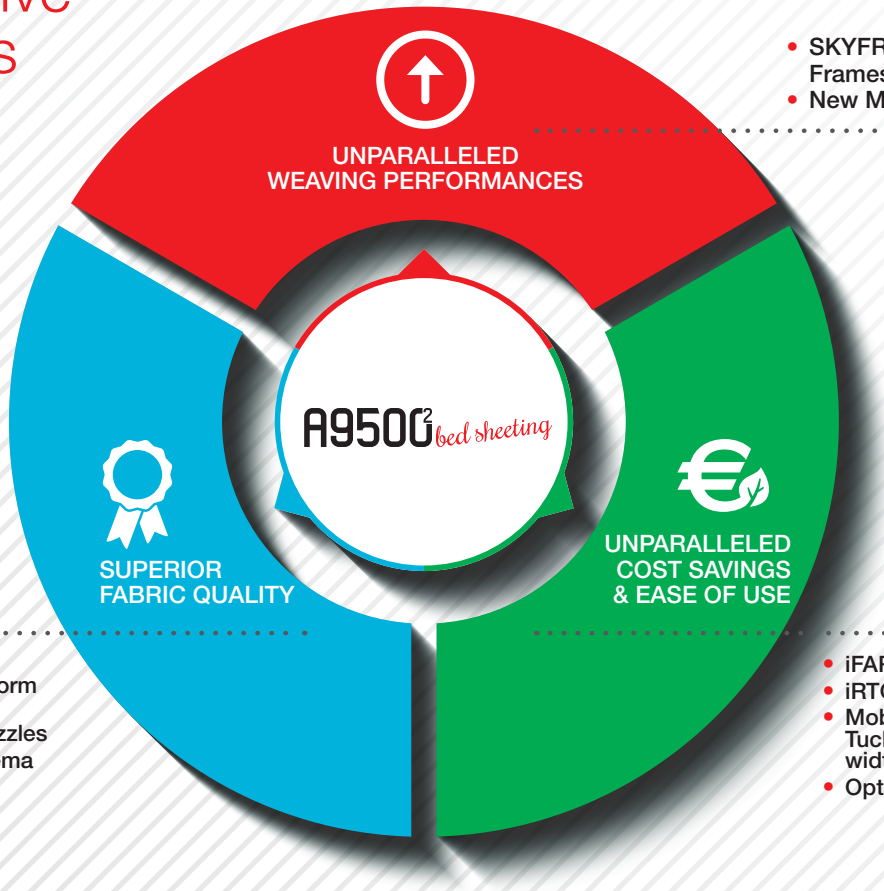

BED
SHEETING
LIKE NO
OTHER
A9500² bed sheeting
The unique airjet weaving machine exclusively dedicated to Bed Sheeting
itema

Now is **the time**

Smooth, cool and comfortable against the skin. Made of a variety of fibers, including linen, cotton, synthetics - often blended with natural fibers such as cotton - and occasionally silk. Bed linen represent a fundamental element in all of our lives.
Itema, working closely with leading worldwide bed sheeting weavers, developed an airjet weaving machine specifically designed to weave these sophisticated fabrics.

Finally, the world's greatest bed sheeting mills have the chance to produce their widest bed linen collections on the perfect airjet machine born to accomplish all their goals.
The Itema A9500 bed sheeting ensures **the highest weaving performances, superior fabric quality and the lowest running costs** thanks to brand-new Itema innovations.

Innovative features



- SKYFRAME Heald Frames by ItemaLab™
- New Machine Structure

- Optimized Pneumatic Platform
- New Main and Tandem Nozzles
- Best-in-class Itema Shed Geometry

- iFAR
- iRTC
- Mobile Pneumatic Tuckers for full width weaving
- Optimized Ergonomy

Unparalleled Weaving Performances

01

SKYFRAME BY ITEMALAB™

- Itema proprietary technology. Thanks to a special design and to an innovative use of aluminium and carbon fiber, the Itema SKYFRAME ensures superior lightness and sturdiness.

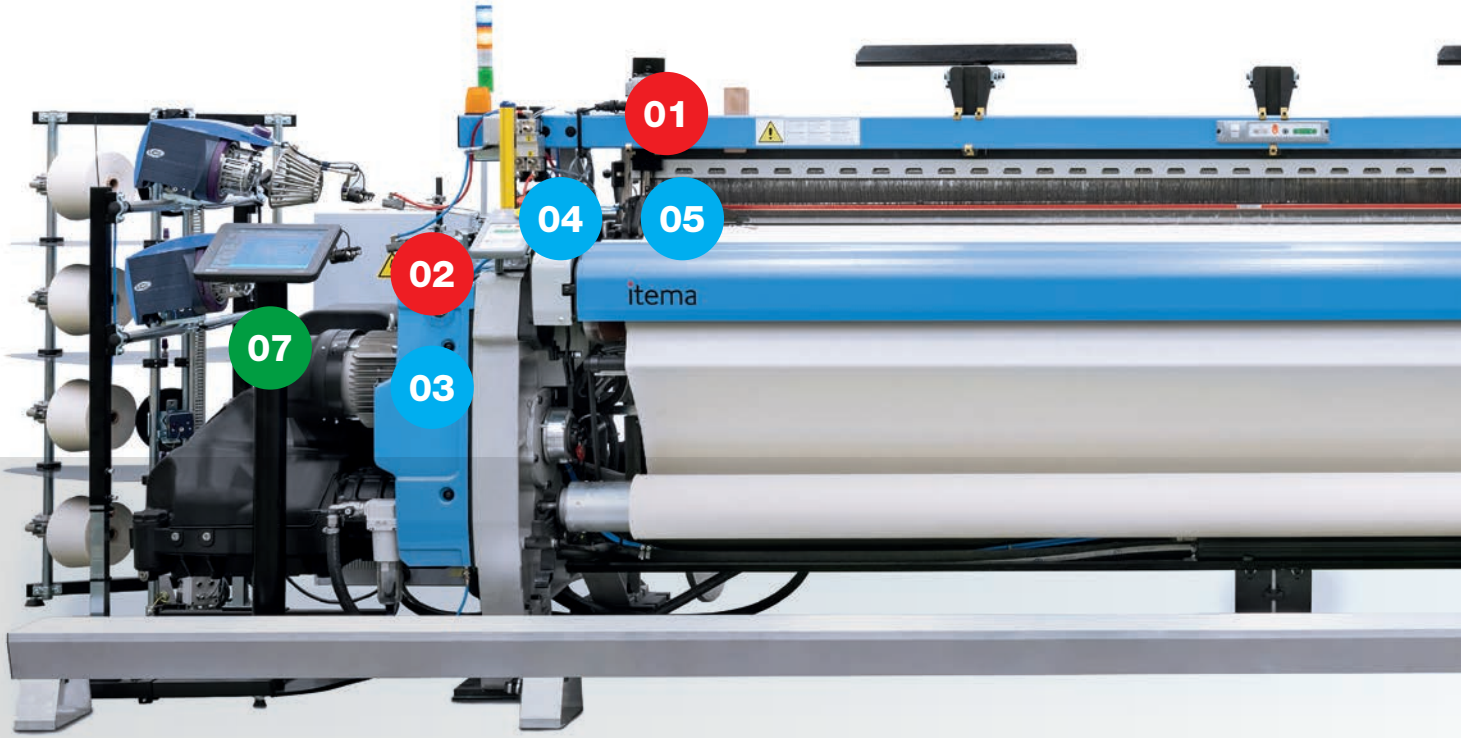
↳Combining the highest speeds with reliability and resistance

02

NEW MACHINE STRUCTURE

- Thanks to the main machine structure optimization, the A9500 fast shedding features brand-new sley drives cams that guarantee a longer dwell leading to no stress on weft yarns even when running at the highest speeds.

↳Optimal Weft Insertion at the Highest Speeds

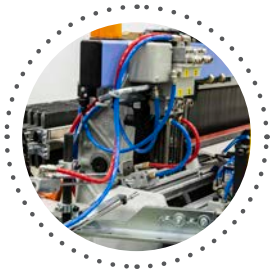


Superior Fabric Quality & Versatility

03
OPTIMIZED PNEUMATIC PLATFORM

- Redesigned and optimized to further improve the weft insertion, the new pneumatic platform allows a quicker system responsiveness when handling air load and pressure. Moreover, air tanks find now their place in specific cavities located in the main machine frame leading to no vibrations and to increased reliability.

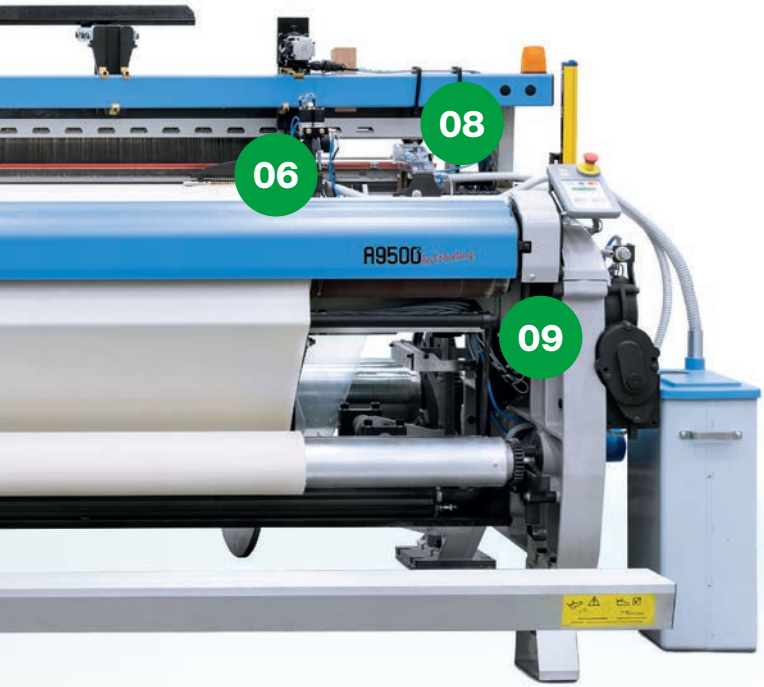
↳**Optimal Weft Insertion Cycle Control**



04
NEW MAIN AND TANDEM NOZZLES

- The main and tandem nozzles have been redesigned to ensure enhanced efficiency when handling medium and fine counts yarns normally used in high-end bed sheeting production. The new nozzles design allows a reduced pressure avoiding yarns breakage even when running at the highest speeds.

↳**Unmatched Fabric Quality and Textile Versatility**



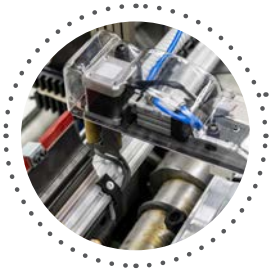
05
BEST-IN-CLASS ITEMA SHED GEOMETRY

- Providing the perfect combination of long dwell sley movement and optimized position of the heald frames, the Itema Shed Geometry delivers the unsurpassed control of the fabric appearance while providing economic air consumption.

↳**Superior Textile Efficiency**

A9500 bed sheeting

Cost Savings & Ease of use



06

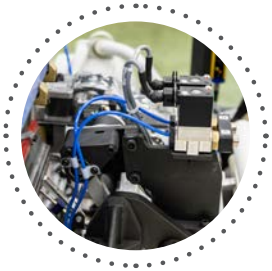
iFAR

- iFAR – Filling Automatic Repair provides automatic repair of short picks and restart of the machine.
  ↳**Reduced Machine Downtime**

07

iRTC

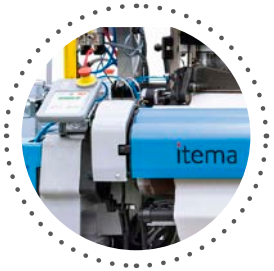
- The Itema patented RTC (Real Time Control) software comes here in a new advanced version. Featuring further improved functionalities, the iRTC ensures the optimal monitoring of the weft insertion cycle by automatically minimizing relay nozzles blowing time by independently setting the timing of each valve for the latest opening and the earliest closing.
  ↳**Reduced Air Consumption and Overruling of Incorrect Settings**



08

MOBILE PNEUMATIC TUCKERS FOR FULL WIDTH WEAVING

- The innovative device movement provides the weaver the valuable advantage to avoid reed cutting. Thanks to the Mobile Pneumatic Tuckers, it is possible to weave with the full width reed without cutting it to fit the style.
  ↳**Reduced Spare Parts Stock**

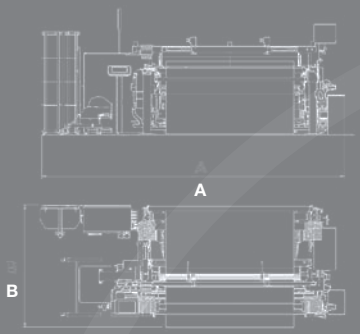


09

OPTIMIZED ERGONOMY

- The A950G bed sheeting features a lowered front frame to facilitate machine accessibility for the weaver when carrying out daily textile operations.
  ↳**Improved Machine Accessibility**

BED SHEETING LIKE NO OTHER



A9500 bed sheeting | at a glance

Nominal Width (Machine Width - A)* (*) dimensions (A) may change depending on the type of creel used	Overall depth (B)
2600 mm (5260 mm) 2800 mm (5460 mm) 3000 mm (5660 mm) 3200 mm (5860 mm) 3400 mm (6060 mm) 3600 mm (6260 mm)	with 800 mm warp beam 1767 mm (*) with 1000 mm warp beam 1979 mm (*) with 1100 mm warp beam 2029 mm (*) ***foot boards excluded*

SPECIFICATION	STANDARD	OPTIONAL
Sley Movement	Cam Drive Motion	
Shedding	Positive cam motion up to 10 levers with levelling device	• Rotary dobby up to 16 levers • Positive cam motion up to 8 levers without/ with levelling device
Weft Insertion	2, 4 colors	6 colors, Multiple insertion
Nozzles	Main and Tandem nozzles for high speed weaving with fine spun yarns	BLC-Brush Lycra Clamp Polito nozzles
Cost Saving and Weft Insertion Optimization	iRTC	iFAR
Warp Beam	Single or twin 800/1000/1100 mm	
Pick Density	10-200 Picks/cm	
Selvedge	Pneumatic tuckers for full width reed	Full leno ELD or RLD Cut reed pneumatic tuckers
Warp Let Off	Electronic controlled let off	
Fabric Take Up	Electronic controlled take up: internal cloth roller up to 550 mm	Electronic controlled take up: external batching motion up to 1500 mm
Connectivity		Ethernet interface (with iMANAGER) Serial VDI interface: for bi-directional data transmission Parallel interface: for mono-directional data transmission
Other Options		Reed LED Lamp
Warranty	QRP Seal - 2 year warranty	

SKYFRAME

by itemalab™

The new benchmark in **airjet heald frames**

Core advancement featured on the A9500 bed sheeting are the brand-new heald frames **SKYFRAME**, **made of aluminium and carbon** and designed by Itemalab™ in cooperation with Lamiflex. The Itema **SKYFRAME**, Itema exclusive proprietary technology, redefines the performances of the current heald frames available today on the market.

Itema designed and developed its own heald frames to answer its Customers specific needs.

In fact, heald frames are key components of airjet technology and the Itema **SKYFRAME**, thanks to its **superior lightness and sturdiness**, allows to run at the **highest speeds without compromising reliability and resistance**.

A step forward
in bed sheeting weaving generation

itema

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Italy · Switzerland · China · Hong Kong · India · Japan · USA · Dubai