



A9500^p A9500 A9500^e



A9500 to the power of 3

*Because
we believe*

itema

Itema New Airjet Weaving Concept

Itema is proud to present **the latest technological breakthroughs in airjet weaving** which now complete our range of airjet weaving machines, providing the right weaving machine to fit perfectly every need of our valuable Customers.

Distinguished from the competition and unique in concept, Itema's A9500 new airjet portfolio excels through its simple yet efficient design. We listened to our Customers to deliver the maximum in user friendliness, versatility, reliability, efficiency and performance.

Based on the already successful **A9500**, Itema launches two new airjet models designed for maximum performance: the **A9500e**, a sturdy essential machine offering the best value for money and the **A9500p**, the most innovative airjet machine offering the highest operating speed on the market.

Our A9500 complete portfolio defines a new benchmark in airjet technology with dependable, high speed performance, consistent fabric quality and the versatility to change with market expectations. Moreover, a significant percentage of mechanical and electronic parts are fully interchangeable with our rapier models, thus reducing spare parts cost for Customers with both technologies.

Without exception, the A9500 cubed portfolio is better than "State-of-the-Art" when it comes to airjet weaving, whilst at the same time giving you the ultimate choice in best value for money A9500e, best versatility in the market A9500 or best speed A9500p.

Whether you are looking for enhanced usability and user-friendliness, increased versatility, reduced consumption or superior performance and top speed weaving, Itema has got the right airjet weaving machine for you.



Weaving has never been so easy, and now with the peace of mind of our QRP seal of Quality, Reliability and Performance. Itema's A9500 range of airjet weaving machines all proudly carry the prestigious QRP seal.

We strongly believe in our weaving machines, therefore, every QRP-certified Itema machine is guaranteed for a period of two years.

Itema is the only producer in the world to extend the warranty.

Our unyielding commitment to R&D, to innovation, and to our Customers inspires us to excel in our extensive product testing.

We are tireless in our search for ways to enable our Customers to meet and exceed their stringent expectations of product performance and solid investment return.

Look for the QRP mark – our testament to how we design, develop, lean manufacture and deliver our product, our unwavering confidence in our product and our guarantee to our Customers.

A9500p

premium performance privilege perfection powerful



The new IteMA **A9500p** is, no doubt, the race horse in our airjet portfolio. Born to run **fast**, A9500p comes **fully loaded** with IteMA's premium advanced features and sets a new benchmark for **speed** in your weaving mills.

Not only will the A9500p set you apart from your competitors by giving you the edge with faster and **high-tech** weaving mill operation, it will also help you **save money** by significantly reducing your costs. Cutting the power consumption by as much as 30% compared to previous models is now possible, due to a combination of features specially designed with the aim of providing you the most value. The **saving** is guaranteed by the iREED®,

the new reed tunnel shape and new position of the relay nozzle which optimize the air flow in the reed channel for a higher efficiency weft insertion. The saving is also due to a reduced air pressure and the single hole relay nozzle, which, at the same time, greatly reduces the need for maintenance of your IteMA airjet weaving machine.

The A9500p is standard equipped with Real Time Control (RTC), the patented system to reduce the air consumption optimizing the blowing and the digital Air Consumption Metering that gives you the real time access to air consumption data. Other premium features included are the automatic nozzle tank pressure

setting on the console, and, last, but not least, the IteMA Productivity Optimization System (iPOS) – the patented software to increase the productivity of the machine allowing you to produce more fabric.

Machine efficiency and superior fabric quality are furthermore ensured on the IteMA A9500p by a brand-new innovation: the double tandem nozzles.

The double tandem nozzles guarantee a perfect distribution of the pushing force on the weft using a lower air pressure, thus leading to a double benefit: a reduced stress on the yarn allowing top fabric quality and the possibility to weave with a lower pressure ensuring energy saving.

A9500

original optimized opportunity



The **A9500**, combines the experience gathered in the past with the most revolutionary machine technology. **Airjet A9500 defined a new benchmark with dependable, high speed performance, mass production, consistent fabric quality and versatility enabling the Customers to embrace rapidly changing market expectations.**

The machine is robust and stable, operating with the lowest vibration pattern at high speeds. Positioned in the main lateral frames and precisely balanced, the sley motion is available by conjugated cams or by a crank mechanism, depending on the requirements of the Customer. **Itema A9500 is the only weaving**

machine on the market that offers both options for the sley drive.

The A9500 offers a unique shed geometry. Positioning of the first frame closer to the reed allows a shorter stroke providing higher speeds and longer life cycles for heddles and harness frames. Longer weft insertion provides less tension on weft yarns, reducing stops and increasing efficiency.

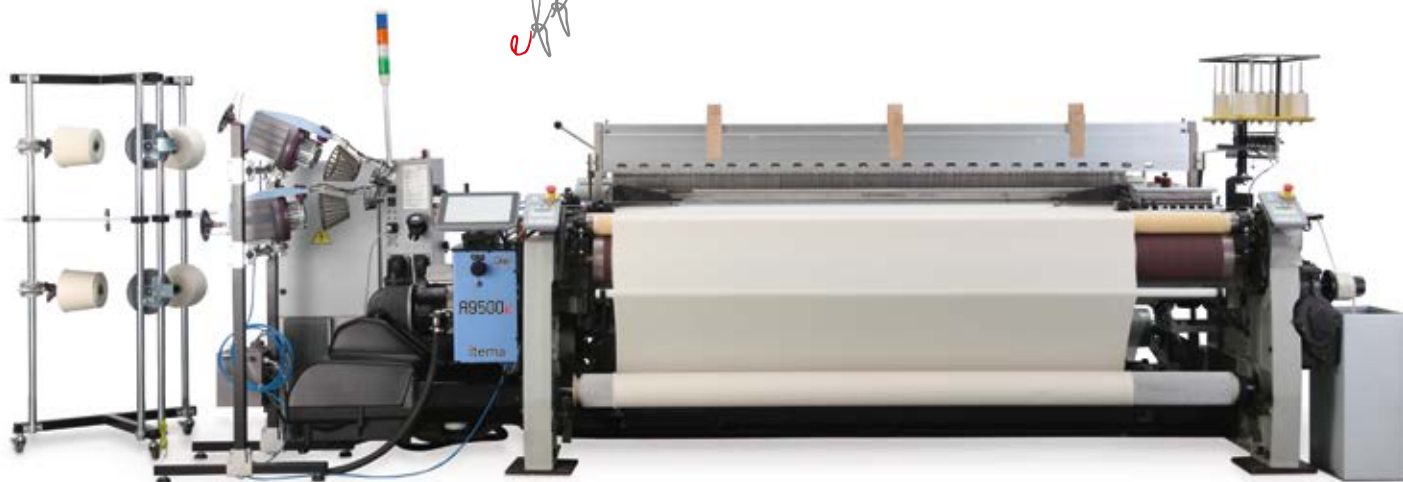
The A9500 is an extremely versatile machine and can be supplied with a broad range of key configurations to successfully produce the most demanding styles. The cam sley drive optimized for wide machine combined with the new lateral

& central independent selvage devices and the lateral & central pneumatic tuckers for cut reed guarantee perfect quality in wide fabric applications and in double panel weaving.

The A9500 was received very well in some of Itema's most important markets and the repeat orders of many valuable Customers worldwide demonstrate Itema airjet A9500 success.

A9500e

effective efficient elegant excellent



A sturdy and practical narrow machine designed especially for 2 colors weaving offering the **best value for money combined with the perfect technical features and the highest speed in the commodity fabric market.**

Lean and agile, the **A9500e** airjet gets top marks for user-friendliness and reduced downtime. The loom's **usability** is further assured by the expert combination of exclusive Itema features, such as the **Toy Beam Mounting (TBM)** and the mechanical Rotary Leno Device. The new pneumatic control for 2 color weaving is based on ITEMA PPC technology launched with success with A9500; the high capacity tank and the pressure

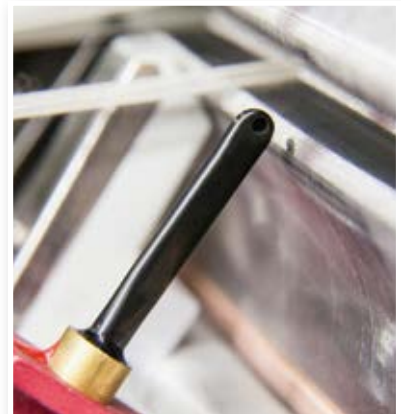
control with sensor for each weft insertion channel in combination with full electronic control of the main nozzles assure reliable and effective weft insertion. In addition, the new single hole relay nozzle assure both a perfectly controlled airflow and low maintenance.

The easy access to the machine is assured by features such **no upper bar** and no front cover: the loading of the machine has never been so easy. Other Itema innovations embedded on the A9500e are a new and improved whip roller with double rotating rollers that reduces the warp stops and the stops marks and a brand-new lubrication system.

By adding the A9500e in your weaving mill, you will experience first-hand the undeniable advantages, unparalleled **quality** and high **performance** at a cut-price **value**, all with the pledge and commitment of Quality, Reliability and Performance – QRP of Itema.

essential exciting economic easy

A9500_p



iREED® and Single Hole Relay Nozzle



The Double Tandem Nozzles



RTC – Real Time Control

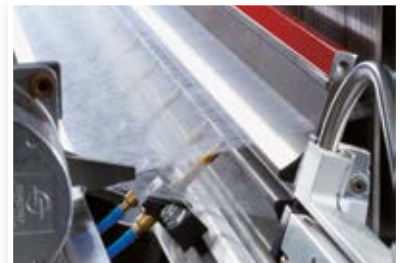


The fastest airjet machine on the market.
Technologically advanced to guarantee top fabric
quality and unrivalled machine performance.

A9500



Beat-Up Options



Optimized Shed Geometry



ELD — The Electronic Leno Device



Superior performance and fabric quality.
Maximum versatility of fabrics, optimized
consumption and strong productivity.

Beat-Up Options

The beating motion of the A9500 is placed in gear boxes with a dynamic lubrication system. Narrow width machines are available with double conjugated cams or crank motion. Our Technical Textile Department is available to recommend the optimum drive motion to best suit Customer's needs.

Optimized Shed Geometry

Referencing extensive in-plant testing and R&D work at Iteima, our A9500 shed geometry provides the perfect combination of a long dwell and stable motion of the harness frames to deliver the widest weft insertion range while providing economic air consumption and unsurpassed control of weft variation.

Main benefits are:

- Positioning of the first frame closer to the reed allows a shorter stroke providing higher speeds and longer life cycles for heddles and harness frames.
- Longer weft insertion provides less tension/stress on weft yarns; reducing stops / increasing efficiency.

ELD – The Electronic Leno Device

The ELD, Electronic Leno Device, patented by Iteima, is a standard feature on the machine. The device provides independent setting for left hand or right hand selvedge construction. Simple, reliable and maintenance free, the device is



ISD – The Independent Selvedge Device



Selvedge Formation



Stretch Nozzles

self-cleaning and requires no additional bobbin winding.

ISD – The Independent Selvedge Device

The ISD, Independent Selvedge Device, is controlled by the microprocessor and allows the use of different patterns to provide maximum flexibility for unsurpassed selvedge quality.

Selvedge Formation

A number of options are available for different selvedge formations. In addition to standard cutters, melting devices and air tuckers are available. Side and Center tuckers are available for cut reed and full reed weaving; simple & reliable – essentially without speed restrictions.

Stretch Nozzles

Use of stretch nozzles, without catch cord, is ideal for easy set-up and use. Elimination of catch cord also provides increased efficiency.

For delicate spun yarns, high twist and full width weaving, an “in tunnel” stretch nozzle can be provided without concern for reed damage.

A9500^e



Unparalleled productivity, designed to respond perfectly to the needs of the grey cotton commodity market.



TBM – Toy Beam Mounting

TBM – Toy Beam Mounting

The new beam mounting system has been designed to use the beams with gear on the barrel. The Customer doesn't need to handle a different type of beam, thus resulting in a reduction of the investment costs and in a easier management of the weaving room. The load of the machine is secure and easy.

Mechanical Driven RLD

The mechanical rotary leno device is the most required solution for the commodity fabric market.

The new mechanical RLD Rotary Leno Device designed by Itema for A9500e is the simplest and easiest to maintain better results for this market. The belt driving system is designed for high speed performances.

New Design 2 Colors Pressure Control System

The new system is designed and optimized for the 2 colors weaving based on PPC technology used by Itema starting from A9500. The knob for the relay nozzle tank pressure setting is in an ergonomic position. The complexity has been reduced for easier and secured settings. The broken weft draw-in in the main nozzle is activated directly on the console: when the machine stops the relevant page appears automatically on the console and just a touch is needed to fix it.



Mechanical Driven RLD



New Design 2 Colors Pressure Control System



Machine With No Upper Bar Solution

New Optimized Lubrication System for A9500 Basic Performances

The lubrication system is forced for left hand sley cambox and shedding gearbox with pump driven by the machine and, for right hand sley cambox, lubrication is in an oil bath. By design and through extensive testing, the lubrication system significantly reduces energy consumption therefore extending the life cycle of mechanical components.

Machine With No Upper Bar Solution

The easy access to the machine for the operators is a key design point of the A9500e. The configuration with No Upper Bar and with No front cover is the best for the operation of the machine. The heald frame guide is assured by the lateral and the lower guide.

SPECIFICATIONS		A9500 _p
Nominal width (mm)		1900, 2100, 2300, 2600, 2800, 3000, 3200, 3400, 3600
Sley movement		Double conjugated cams / Crank drive motion
Number of Colors		2, 4, 6
Pneumatic system		<ul style="list-style-type: none"> • PPC: Pneumatic Pressure Control • Machine standard equipped with RTC: real time control • Machine standard equipped with Air Metering
Relay nozzle pressure setting		<ul style="list-style-type: none"> • Automatic pressure regulation setting the value by console • Single air tank
Relay nozzle		<ul style="list-style-type: none"> • Single and multi holes • 4 nozzles per valve / 2 nozzles per valve (*)
Nozzles		<ul style="list-style-type: none"> • Fixed and movable main nozzle • <i>POLITO nozzles for filament yarn (*)</i> • <i>BLC Brush Lycra Clamp for elastic yarn (*)</i> • <i>Double Tandem Nozzles (*)</i>
Main motor		<ul style="list-style-type: none"> • Direct drive with brushless motor and driver • Automatic pick-finding motion
Lubrication		<ul style="list-style-type: none"> • Forced lubrication with oil pump
Beam		<ul style="list-style-type: none"> • Single or twin 800/1000/1100 mm • Upper beam up to 1000 mm • Width reduction up to 800 mm
Beam connection		<ul style="list-style-type: none"> • SBM: Screw Beam Mounting • <i>PBC: Practical Beam Connection (*)</i>
Warp Let-Off		<ul style="list-style-type: none"> • Electronically warp let-off with brushless motor and electronic control (EWC)
Whip roller		<ul style="list-style-type: none"> • Positive/negative double rotating rollers
Press roller		<ul style="list-style-type: none"> • Single roller • <i>Double rollers (*)</i>
Fabric Take-up		<ul style="list-style-type: none"> • Electronically controlled take-up motion with brushless motor and electronic control (ETD) • Weft density from 10 to 150 picks/cm • <i>Weft density from 3 to 50 picks/cm (*)</i>

(*) Option

A9500	A9500 ^e
1900, 2100, 2300, 2600, 2800, 3000, 3200, 3400, 3600	1900, 2300
Double conjugated cams / Crank drive motion	Double conjugated cams
2, 4, 6	2
<ul style="list-style-type: none"> • PPC: Pneumatic Pressure Control • <i>RTC: real time control (*)</i> • <i>Air Metering (*)</i> 	<ul style="list-style-type: none"> • 2PC: 2 Pressure Control
<ul style="list-style-type: none"> • Manual • Single air tank 	<ul style="list-style-type: none"> • Manual • Single air tank
<ul style="list-style-type: none"> • Single and multi holes • 4 nozzles per valve 	<ul style="list-style-type: none"> • Single Hole • 4 nozzles per valve
<ul style="list-style-type: none"> • Fixed and movable main nozzle • <i>POLITO nozzles for filament yarn (*)</i> • <i>BLC Brush Lycra Clamp for elastic yarn (*)</i> 	<ul style="list-style-type: none"> • Fixed and movable main nozzle
<ul style="list-style-type: none"> • Direct drive with brushless motor and driver • Automatic pick-finding motion 	<ul style="list-style-type: none"> • Direct drive with brushless motor and driver • Automatic pick-finding motion
<ul style="list-style-type: none"> • Forced lubrication with oil pump 	<ul style="list-style-type: none"> • Forced lubrication by pump and oil bath
<ul style="list-style-type: none"> • Single or twin 800/1000/1100 mm • Upper beam up to 1000 mm • Width reduction up to 800 mm 	<ul style="list-style-type: none"> • Single 800, 1000 (*) • Width reduction up to 800 mm
<ul style="list-style-type: none"> • SBM: Screw Beam Mounting • <i>PBC: Practical Beam Connection (*)</i> 	<ul style="list-style-type: none"> • TBM: Toy Beam Mounting • <i>SBM: Screw Beam Mounting (*)</i>
<ul style="list-style-type: none"> • Electronically warp let-off with brushless motor and electronic control (EWC) 	<ul style="list-style-type: none"> • Electronically warp let-off with brushless motor and electronic control (EWC)
<ul style="list-style-type: none"> • Positive/negative double rotating rollers 	<ul style="list-style-type: none"> • Positive/negative double rotating rollers
<ul style="list-style-type: none"> • Single roller • <i>Double rollers (*)</i> 	<ul style="list-style-type: none"> • Single roller
<ul style="list-style-type: none"> • Electronically controlled take-up motion with brushless motor and electronic control (ETD) • Weft density from 10 to 150 picks/cm • <i>Weft density from 3 to 50 picks/cm (*)</i> 	<ul style="list-style-type: none"> • Electronically controlled take-up motion with brushless motor and electronic control (ETD) • Weft density from 10 to 150 picks/cm • <i>Weft density from 3 to 50 picks/cm (*)</i>

continued on next pages

SPECIFICATIONS		A9500p
Stop Mark prevention		<ul style="list-style-type: none"> Selectable main motor parameters Selectable start/stop angle DFFC: dynamic fabric fell control
Selvedge		<ul style="list-style-type: none"> Leno with motorized ELD <i>Leno with motorized RLD (*)</i> <i>Lateral and central tuckers for cut reed version (*)</i> <i>ISD: independent selvedge device, motorized, for lateral and central selvedge (*)</i> <i>Central cutters for multi panel weaving (*)</i> <i>Thermo cutters for welded selvedges (*)</i>
Machine control		<ul style="list-style-type: none"> Color touch console USB memory stick
iPOS		<ul style="list-style-type: none"> Standard
FAR		<ul style="list-style-type: none"> <i>Option (*)</i>
Connectivity		<ul style="list-style-type: none"> <i>Monodirectional connection (*)</i> <i>Bidirectional connection (*)</i> <i>ILMS (*)</i>
Shedding machine		<ul style="list-style-type: none"> Positive cam motion up to 8 levers without/with levelling device Positive cam motion up to 10 levers with levelling device Rotary dobby up to 16 levers
Heald Frames		<ul style="list-style-type: none"> Alumimum profile 140*9 or 155*9 Hybrid with carbon reinforcement
Warp Stop Motion		ITEMA A36C, A68C
Reed		<ul style="list-style-type: none"> Standard profiled reed <i>iREED® (*)</i>
Feeders		<ul style="list-style-type: none"> Prefeeders with funnel and brake and separated windings <i>Multiple weft insertion (*)</i>

A9500

- Selectable main motor parameters
- Selectable start/stop angle
- DFFC: dynamic fabric fell control
- Leno with motorized ELD
- *Leno with motorized RLD (*)*
- *Lateral and central tuckers for cut reed version (*)*
- *ISD: independent selvedge device, motorized, for lateral and central selvedge (*)*
- *Central cutters for multi panel weaving (*)*
- *Thermo cutters for welded selvedges (*)*
- Color touch console
- USB memory stick
- *Option (*)*
- *Option (*)*
- *Monodirectional connection (*)*
- *Bidirectional connection (*)*
- *ILMS (*)*
- Positive cam motion up to 8 levers without/with levelling device
- Positive cam motion up to 10 levers with levelling device
- Rotary dobby up to 16 levers
- Aluminum profile 140*9 or 155*9
- Hybrid with carbon reinforcement

ITEMA A36C, A68C

- Standard profiled reed
- Prefeeders with funnel and brake and separated windings
- *Multiple weft insertion (*)*

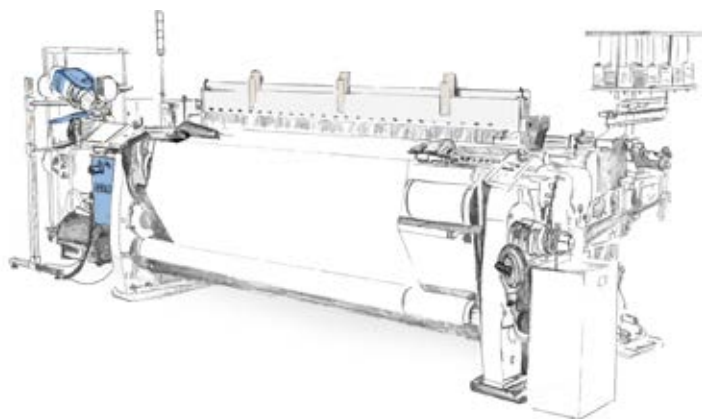
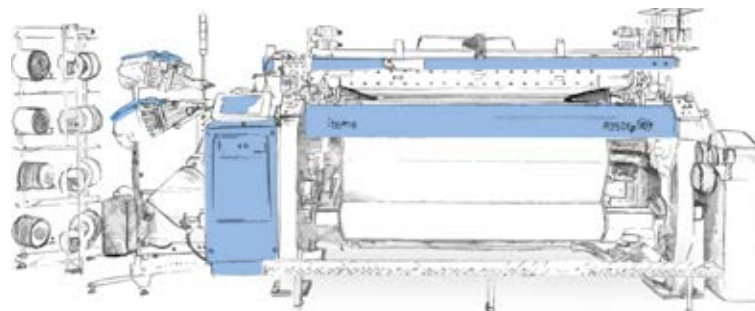
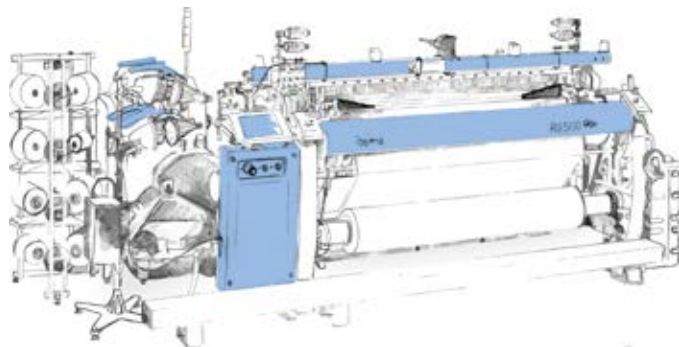
A9500^e

- Selectable main motor parameters
- Selectable start/stop angle
- DFFC: dynamic fabric fell control
- Leno with mechanical RLD
- Color touch console
- USB memory stick
- *Monodirectional connection (*)*
- *Bidirectional connection (*)*
- *ILMS (*)*
- Positive cam motion up to 8 levers without/with levelling device
- Rotary dobby up to 16 levers
- Aluminium profile 155x9mm

ITEMA A36C, A68C

- Standard profiled reed
- Prefeeders without funnel and brake
- *Prefeeders with funnel and brake (*)*

Another perspective



Itema is a leading global provider of advanced weaving solutions, including best-in-class weaving machines, spare parts and integrated services.

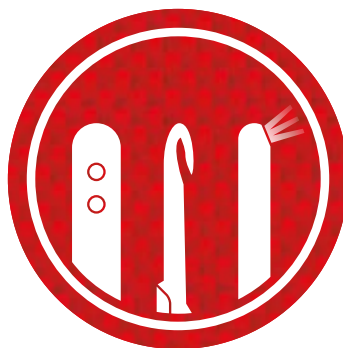
Our Company is the only manufacturer in the world to provide the top three weft insertion technologies: rapier, airjet and projectile, with an ample product portfolio and a commitment to continuous innovation and technological advancement of our weaving machines.

For more information about Itema, to contact our Sales Team in your country, to learn more about our weaving machines or to order spare parts, please visit our website **www.itemagroup.com**.

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3 TECHNOLOGIES



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