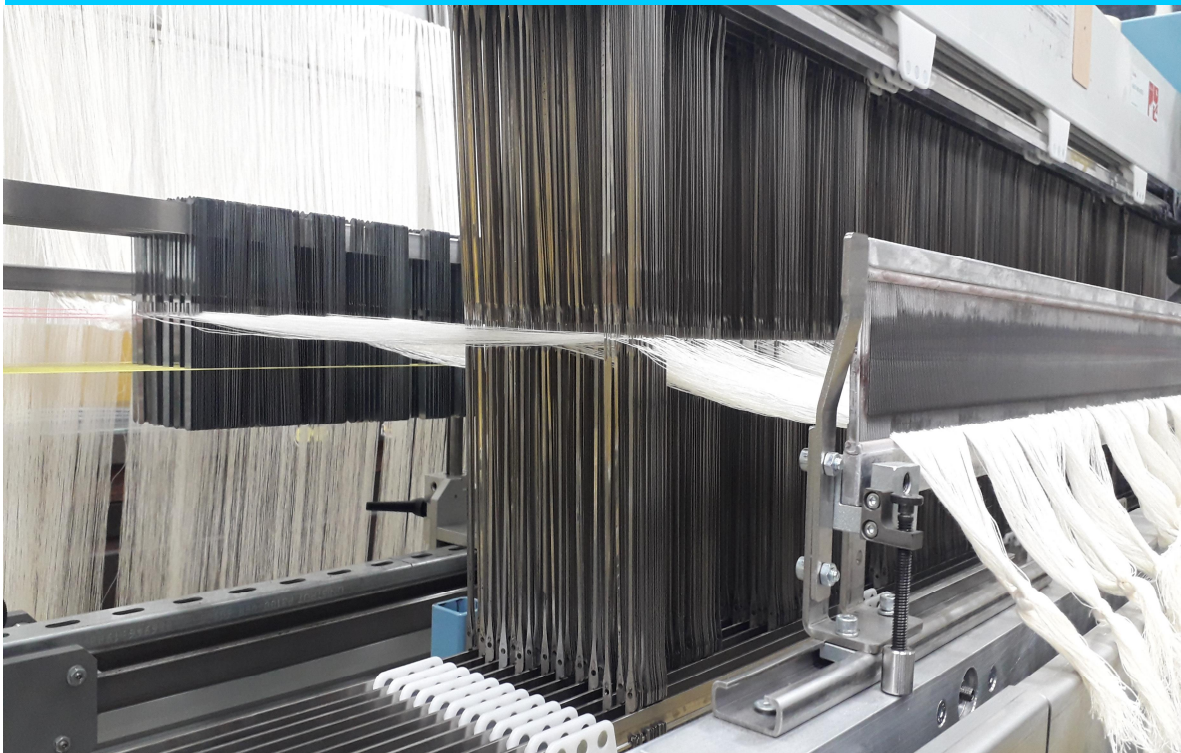


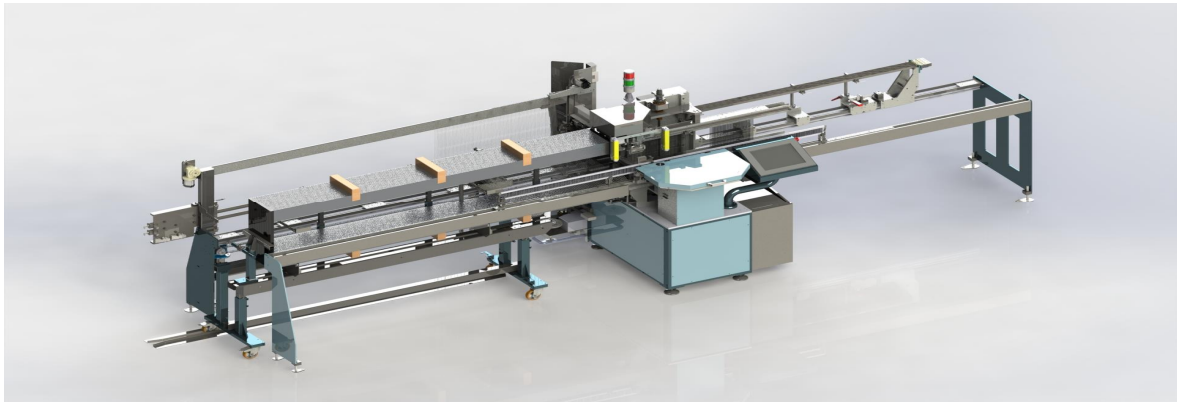
SV 100

Automatic drawing-In machine



RMT srl

Weaving preparation system



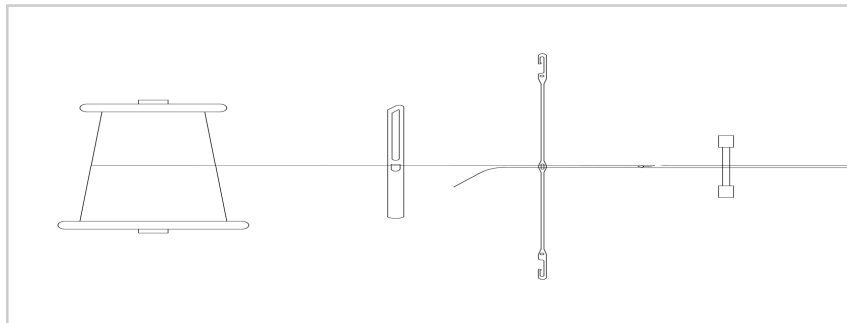
SV100 Automatic Drawing-In Machine

SV100 Drawing-In System is the best choice that allows you to have the warp available at the right time, to give the weaving factories mills more flexibility and allow them to perform the item changes in the shortest possible time.

The system consists in a stationary Drawing-In Machine that **includes its work truck**, and a Knotting Station with its truck in option (not included). Please check accessories index at page **12**. Either the trucks for Drawing-In Machine and for the Knotting Station can be supplied depending on the production needs.

SV100 draws yarn into the reed, healds end drop wires a false harness which after the process are to be knotted to the warp beam.

The machine works without the beam. It uses a cone of yarn to draw-in.



To allow a correct knotting of the harness to the warp yarn, the machine passes a **lease yarn** between the drawn-in ends during the drawing-in procedure, in order to form a **standard lease** (1:1).

To check that a certain yarn on the harness correspond to a certain yarn on the warp during the knotting procedure, the machine can insert a **check lease** which corresponds to a highlighted harness yarn.

In **SV100**, weaving mills find their ideal solution with an optimal price- performance ratio.

Main features of SV100

The program and the management of the machine cycles are managed by **PLC**.

The machine is equipped with a control and monitoring system for each thread. Each single movement of the work cycle is controlled.

Any problem or any irregularity is immediately identified and the machine stops to prevent further complications.

The error is shown in the screen to the operator as well as the steps required to solve the problem. Each operation that caused the error is repeated automatically.

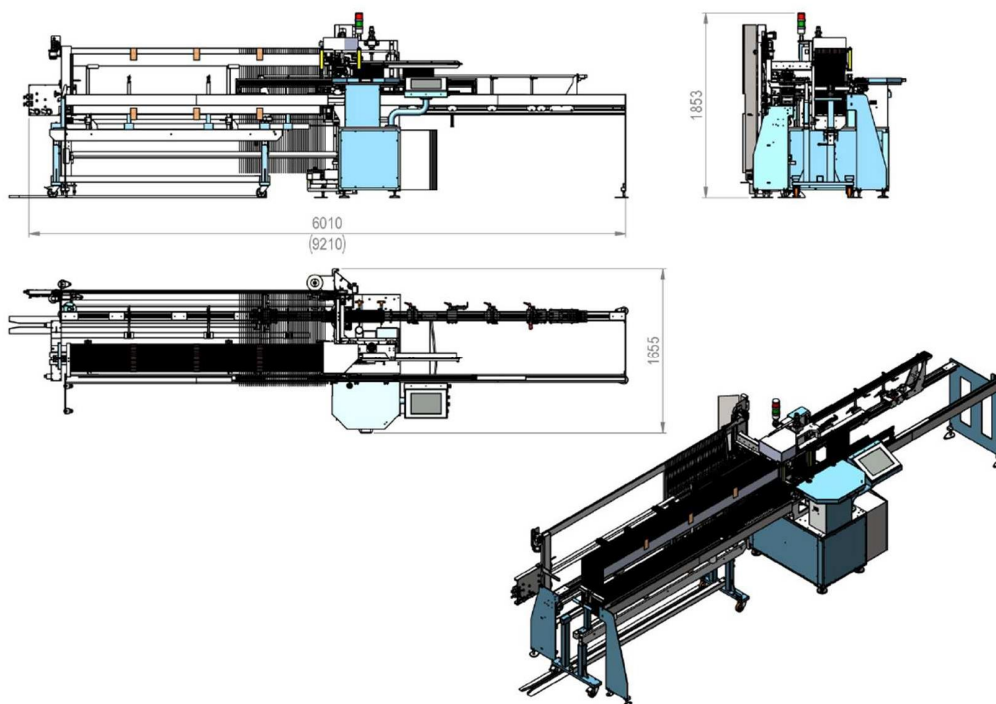
The machine is equipped with **2 touch-screen PC**, one for each side of work.

Possibility to introduce new work programs while the machine is working.

SV100 is equipped with a modem that allows the connection with our assistance center to check and solve any problem or to update or modify the machine cycles management program.

In addition, if the customer wishes, it is possible to connect the machine directly to their production department to control the production or to schedule a new work plan.

SV100 layout



SV100 models index

Machine code	Working width	Working truck	Healds storage	Drop wire
W 200 X02 A	2450 mm	1	1 for single healds	YES
W 200 X06 A	2450 mm	1	1 for single healds	NO
W 200 X09 A	4000 mm	1	1 for single healds	NO
W 200 X12 A	4000 mm	1	1 for single healds	YES

SV100 technical data
W 200 X02 A

Working width	Up to 2450 mm.
Number of shafts	Up to 24 shafts with 12 mm. doobby pitch
	Any type suitable for automatic drawing-in machine
Healds	Open C and J profile, from 280 to 381 mm.
	Single healds
	Quick heald height regulation device
Drop wire	6 rows. Quick height regulation device.
	Closed drop wire 145/165 mm X 11 mm x (dif. widths)
Reeds	Flat, tunneled or double (precise manufacturing)
	H 50/130
	Up to 35 dent/cm.
Drawing-in speed	Up to 100 ends for minute
Length of drawing-in yarn	Length: 2,6 mt.
	Cone for drawn-in cotton twist range: 30 Ne min ó max. 120 Ne
	Drawing-in element: hook
	Design for warp beams: single (1 only beam) or double (2 beams) ó 1 above and 1 below.
	Max number lease: single (1 only lease) or twin (2 leases) for 1 beam above and 1 beam below. Possibility to do 1 external lease for 1 or 2 beams (optional).
	Drawing-in checkup signal Double yarn presenter for twin yarns s/z (optional)
Electrical installation	220 V single phase, 50/60 Hz Power: 4KVA
	PLC and brushless motor.
Pneumatic installation	6 BARS
Control and programming	PLC end brushless motor. Industrial PC with color touch-screen LCD display. The machine is ready to be plugged to Industry 4.0 system.
Technical assistance	Remote connection for machine checking or program update
Working Truck	1 working truck included (with same dimension as the machine)

SV100 technical data

W 200 X06 A

Working width	Up to 2450 mm.
Number of shafts	Up to 24 shafts with 12 mm. dobby pitch
	Any type suitable for automatic drawing-in machine
Healds	Open C and J profile, from 280 to 381 mm.
	Single healds
	Quick heald height regulation device
Reeds	Flat, tunneled or double (precise manufacturing)
	H 50/130
	Up to 35 dent/cm.
Drawing-in speed	Up to 100 ends for minute
Length of drawing-in yarn	Length: 2,6 mt.
	Cone for drawn-in cotton twist range: 30 Ne min ó max. 120 Ne
	Drawing-in element: hook
	Design for warp beams: single (1 only beam) or double (2 beams) ó 1 above and 1 below.
	Max number lease: single (1 only lease) or twin (2 leases) for 1 beam above and 1 beam below. Possibility to do 1 external lease for 1 or 2 beams (optional).
	Drawn-in check signal. Double yarn presenter for s/z (optional)).
Electrical installation	220 V single phase, 50/60 Hz
	Power: 4KVA
Pneumatic installation	6 BARS
Control and programming	PLC end Brushless motor. Industrial PC with LCD display. The machine is ready to be plugged to Industry 4.0 system.
Technical assistance	Remote connection for machine checking or program update
Working Truck	1 working truck included (with same dimension as the machine)

Working width	Up to 4000 mm.
Number of shafts	Up to 24 shafts with 12 mm. doobby pitch
	Any type suitable for automatic drawing-in machine
Healds	Open C and J profile. From 280 to 381 mm.
	Single healds
	Quick heald height regulation device
Reeds	Flat, tunneled or double (precise manufacturing)
	H 50/130
	Up to 35 dent reed.
Drawing-in speed	Up to 100 ends for minute
Length of drawing-in yarn	Length: 2,6 mt.
	Cone for drawn-in cotton twist range min: 30 Ne min ó 120 Ne max
	Drawing-in element: hook
	Design for warp beams: single (1 only beam) or double (2 beams) ó 1 above and 1 below.
	Max number lease: single (1 only lease) or twin (2 leases) for 1 beam above and 1 beam below. Possibility to do 1 external lease for 1 or 2 beams (optional).
	Drawn-in check signal. Double presenter yarn for s/z (optional)
Electrical installation	220 V single phase, 50/60 Hz
	Power: 4 KVA
Pneumatic installation	6 Bars
Control and programming	PLC and brushless motor
	Industrial PC with LCD color touch-screen display. The machine is ready to be plugged to Industry 4.0 system.
Technical assistance	Remote connection for machine checking operation or program update
Working Truck	1 working truck included (with same dimension as the machine)

SV100 technical data

W 200 X12 A

Working width	Up to 4000 mm.
Number of shafts	Up to 24 shafts with 12 mm. doobby pitch
	Any type suitable for automatic drawing-in machine
Healds	Open C and J profile. From 280 to 381 mm.
	Single healds
	Quick heald height regulation device
Drop wire	6 bars. Quick height regulation device
	Closed drop wire 145/165 mm X 11 mm (x dif. widths)
Reeds	Flat, tunneled or double (precise manufacturing)
	H 50/130
	Up to 35 dent reed
Drawing-in speed	Up to 100 ends for minute
Length of drawing-in yarn	Length: 2,6 mt.
	Cone for drawn-in cotton twist range min: 30 Ne min ó 120 Ne max
	Drawing-in element: hook
	Design for warp beams: single (1 only beam) or double (2 beams) ó 1 above and 1 below.
	Max number lease: single (1 only lease) or twin (2 leases) for 1 beam above and 1 beam below. Possibility to do 1 external lease for 1 or 2 beams (optional).
	Drawn-in check signal. Double presenter yarn for s/z (optional)
Electrical installation	220 V single phase, 50/60 Hz
	Power: 4 KVA
Pneumatic installation	6 Bars
Control and programming	PLC and brushless motor
	Industrial PC with LCD color touch-screen display. The machine is ready to be plugged to Industry 4.0 system.
Technical assistance	Remote connection for machine checking operation or program update
Working Truck	1 working truck included (with same dimension as the machine)