

SV100

Automatic drawing-in machine

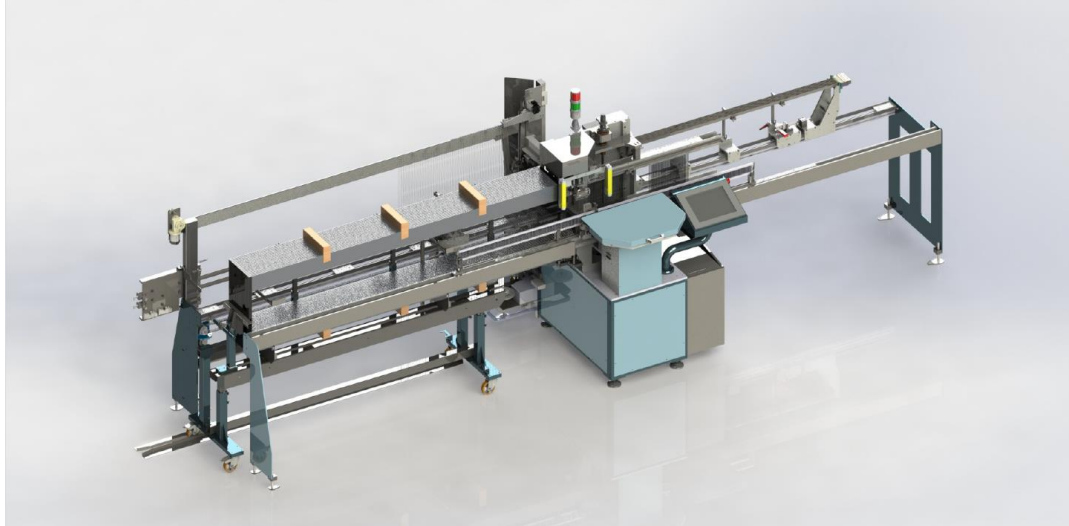


TITAN
TEXTILE
MACHINES

RMT

Weaving preparation system

April 2019



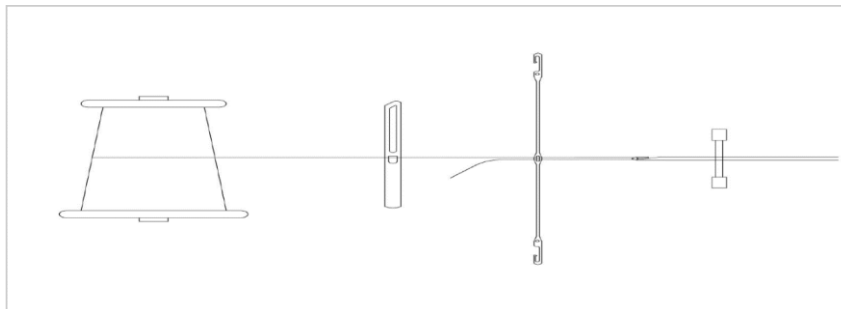
SV100 Automatic drawing-in machine

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 on a stationary drawing-in machine with a work truck and a knotting station with its truck.

SV100 draws yarn into the reed, healds end drop wires a false harness which is 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 corresponds 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 wire. 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 reported to the operator as well as the steps required to solve the problem. Each operation that caused the error is repeated automatically.

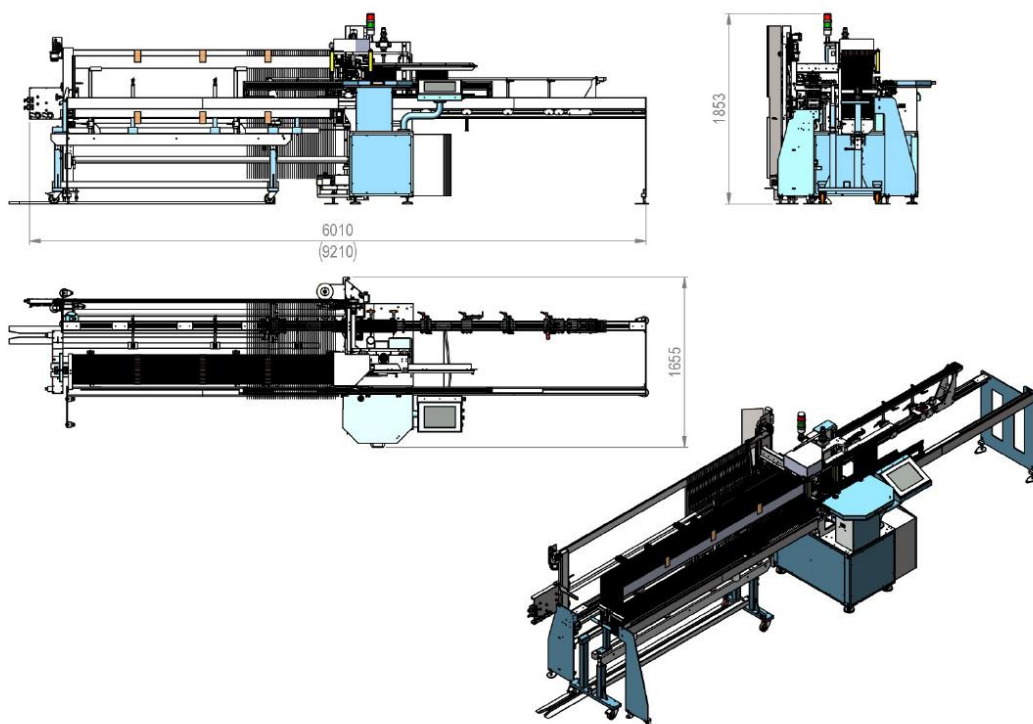
The machine is equipped with **2 touch-screen PC**, one for each side of work.

It is possible to insert new jobs in the archive while the machine is executing another one.

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.

Moreover, 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 X05 A	2450 mm	1	2 for duplex healds	NO
W 200 X06 A	2450 mm	1	1 for single healds	NO
W 200 X07 A	2450 mm	1	2 for duplex healds	YES
W 200 X09 A	4000 mm	1	1 for single healds	NO
W 200 X10 A	4000 mm	1	2 for duplex healds	YES
W 200 X11 A	4000 mm	1	2 for duplex 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 dobby pitch
	Any type suitable for automatic drawing-in machine
Healds	Open C and J profile
	280/381 mm
	Single healds
	Quick heald and drop wire height regulation device
Drop wire	6 rows
	Closed dropper 145/180 mm X 11 mm
Reeds	Flat, tunneled or double (precision manufacturing)
	H 50/130
	20 dent reed max
Drawing-in speed	Up to 90 ends for minute
Length of drawing-in yarn	Length: 2,6 m
	Cone for drawn-in cotton twist yarn: 30 Ne min – 120 Ne max
	Drawing-in element: hook
	Design for warp beams: single or double beams
	Max number lease: 2 (single or twin) – external lease
	Drawn-in check signal
Electrical installation	220 V single phase, 50/60 Hz
	Power: 4 KVA
Control and programming	PLC and brushless motor
	Industrial PC with color touch-screen LCD display
Technical assistance	Remote connection for machine checking or program update

SV100 technical data

W 200 X05 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
	280/381 mm
	Double storage for single and duplex healds
	Quick heald and drop wire height regulation device
Reeds	Flat, tunneled or double (precision manufacturing)
	H 50/130
	20 dent reed max
Drawing-in speed	Up to 90 ends for minute
Length of drawing-in yarn	Length: 2,6 m
	Cone for drawn-in cotton twist yarn: 30 Ne min – 120 Ne max
	Drawing-in element: hook
	Design for warp beams: single or double beams
	Max number lease: 2 (single or twin) – external lease
	Drawn-in check signal
Electrical installation	220 V single phase, 50/60 Hz
	Power: 4 KVA
Control and programming	PLC and brushless motor
	Industrial PC with color touch-screen LCD display
Technical assistance	Remote connection for machine checking or program update

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
	280/381 mm
	Single healds
	Quick heald and drop wire height regulation device
Reeds	Flat, tunneled or double (precision manufacturing)
	H 50/130
	20 dent reed max
Drawing-in speed	Up to 90 ends for minute
Length of drawing-in yarn	Length: 2,6 m
	Cone for drawn-in cotton twist yarn: 30 Ne min – 120 Ne max
	Drawing-in element: hook
	Design for warp beams: single or double beams
	Max number lease: 2 (single or twin) – external lease
	Drawn-in check signal
Electrical installation	220 V single phase, 50/60 Hz
	Power: 4 KVA
Control and programming	PLC and brushless motor
	Industrial PC with color touch-screen LCD display
Technical assistance	Remote connection for machine checking or program update

SV100 technical data

W 200 X07 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
	280/381 mm
	Double storage for single and duplex healds
	Quick heald and drop wire height regulation device
Drop wire	6 rows
	Closed dropper 145/180 mm X 11 mm
Reeds	Flat, tunneled or double (precision manufacturing)
	H 50/130
	20 dent reed max
Drawing-in speed	Up to 90 ends for minute
Length of drawing-in yarn	Length: 2,6 m
	Cone for drawn-in cotton twist yarn: 30 Ne min – 120 Ne max
	Drawing-in element: hook
	Design for warp beams: single or double beams
	Max number lease: 2 (single or twin) – external lease
	Drawn-in check signal
Electrical installation	220 V single phase, 50/60 Hz
	Power: 4 KVA
Control and programming	PLC and brushless motor
	Industrial PC with color touch-screen LCD display
Technical assistance	Remote connection for machine checking or program update

SV100 technical data

W 200 X09 A

Working width	Up to 4000 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
	280/381 mm
	Single healds
	Quick heald and drop wire height regulation device
Reeds	Flat, tunneled or double (precision manufacturing)
	H 50/130
	20 dent reed max
Drawing-in speed	Up to 90 ends for minute
Length of drawing-in yarn	Length: 2,6 m
	Cone for drawn-in cotton twist yarn: 30 Ne min – 120 Ne max
	Drawing-in element: hook
	Design for warp beams: single or double beams
	Max number lease: 2 (single or twin) – external lease
	Drawn-in check signal
Electrical installation	220 V single phase, 50/60 Hz
	Power: 4 KVA
Control and programming	PLC and brushless motor
	Industrial PC with color touch-screen LCD display
Technical assistance	Remote connection for machine checking or program update

SV100 technical data

W 200 X10 A

Working width	Up to 4000 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
	280/381 mm
	Double storage for single and duplex healds
	Quick heald and drop wire height regulation device
Drop wire	6 rows
	Closed dropper 145/180 mm X 11 mm
Reeds	Flat, tunneled or double (precision manufacturing)
	H 50/130
	20 dent reed max
Drawing-in speed	Up to 90 ends for minute
Length of drawing-in yarn	Length: 2,6 m
	Cone for drawn-in cotton twist yarn: 30 Ne min – 120 Ne max
	Drawing-in element: hook
	Design for warp beams: single or double beams
	Max number lease: 2 (single or twin) – external lease
	Drawn-in check signal
Electrical installation	220 V single phase, 50/60 Hz
	Power: 4 KVA
Control and programming	PLC and brushless motor
	Industrial PC with color touch-screen LCD display
Technical assistance	Remote connection for machine checking or program update

SV100 technical data

W 200 X11 A

Working width	Up to 4000 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
	280/381 mm
	Double storage for single and duplex healds
	Quick heald and drop wire height regulation device
Reeds	Flat, tunneled or double (precision manufacturing)
	H 50/130
	20 dent reed max
Drawing-in speed	Up to 90 ends for minute
Length of drawing-in yarn	Length: 2,6 m
	Cone for drawn-in cotton twist yarn: 30 Ne min – 120 Ne max
	Drawing-in element: hook
	Design for warp beams: single or double beams
	Max number lease: 2 (single or twin) – external lease
	Drawn-in check signal
Electrical installation	220 V single phase, 50/60 Hz
	Power: 4 KVA
Control and programming	PLC and brushless motor
	Industrial PC with color touch-screen LCD display
Technical assistance	Remote connection for machine checking or program update

SV100 technical data

W 200 X12 A

Working width	Up to 4000 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
	280/381 mm
	Single healds
	Quick heald and drop wire height regulation device
Drop wire	6 rows
	Closed dropper 145/180 mm X 11 mm
Reeds	Flat, tunneled or double (precision manufacturing)
	H 50/130
	20 dent reed max
Drawing-in speed	Up to 90 ends for minute
Length of drawing-in yarn	Length: 2,6 m
	Cone for drawn-in cotton twist yarn: 30 Ne min – 120 Ne max
	Drawing-in element: hook
	Design for warp beams: single or double beams
	Max number lease: 2 (single or twin) – external lease
	Drawn-in check signal
Electrical installation	220 V single phase, 50/60 Hz
	Power: 4 KVA
Control and programming	PLC and brushless motor
	Industrial PC with color touch-screen LCD display
Technical assistance	Remote connection for machine checking or program update

SV100 accessories index

Other working widths for drawing-in machine

- Up to 3000 mm: same price as 2450 mm
- From 3000 mm to 4000 mm: same price as 4000 mm

KP 2500 knotting station + 1 truck

- Additional truck for knotting station

KP 4000 knotting station + 1 truck

- Additional truck for knotting station

Working truck for 2450 mm width drawing-in machine

Working truck for 4050 mm width drawing-in machine

Second unit feeder cone for drawing-in machine