

MOD. SA

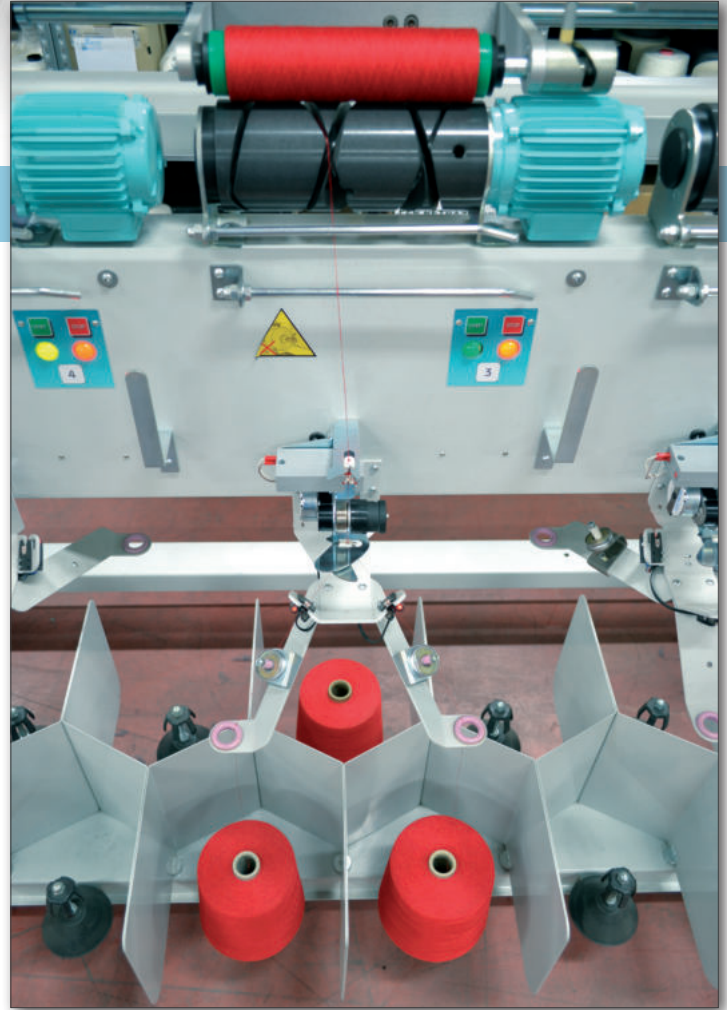
ELECTRONIC ASSEMBLY WINDING MACHINE WITH GROOVED DRUM

Designed for **doubling** at **high speed**



TECHNICAL DATA

- **Machine** configuration up to **90 spindles**, with programmable control unit with digital display showing production and machine operational data
- The SA assembly winder can simultaneously run at **two different speeds** and with **two different lots of yarn** (optional)
- **High precision electronic meter counter** with setting up to 6 different groups simultaneously
- **Electronic anti patterning system** programmable by the control panel

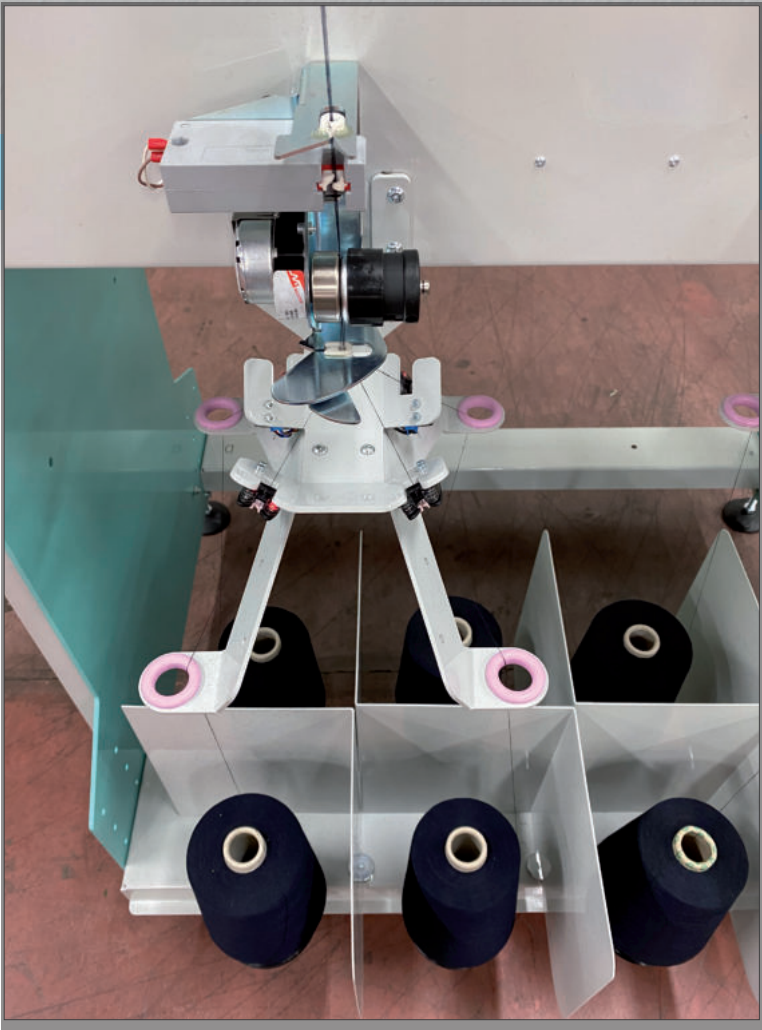


- N.3 **optical yarn detection sensors**
- Self-cleaning motorized **yarn tensioner**
- High speed **yarn cutter**

- **Under machine creel** with 3 universal bobbin holders
Feeding package's diameter up to 270 mm

- Individual AC coaxial motor per spindle run by inverter
- Start/stop button
- Overhead package holder
- **Under machine creel** with 3 or 4 universal bobbin holders

- The machine can be equipped with:
 - **External creel** (when more than 3 plies are requested)
 - **Electro-Jet overhead trolley blower**
 - **Mesdan ATS splicer**
 - **Lubrifiil oiling device**



N.4 optical yarn detection sensors per heads
Under machine creel with 4 universal bobbin holders, Feeding package's diameter up to 190 mm



yarn tensioner for each single ply installed on the anti-ballon

MOD. SA

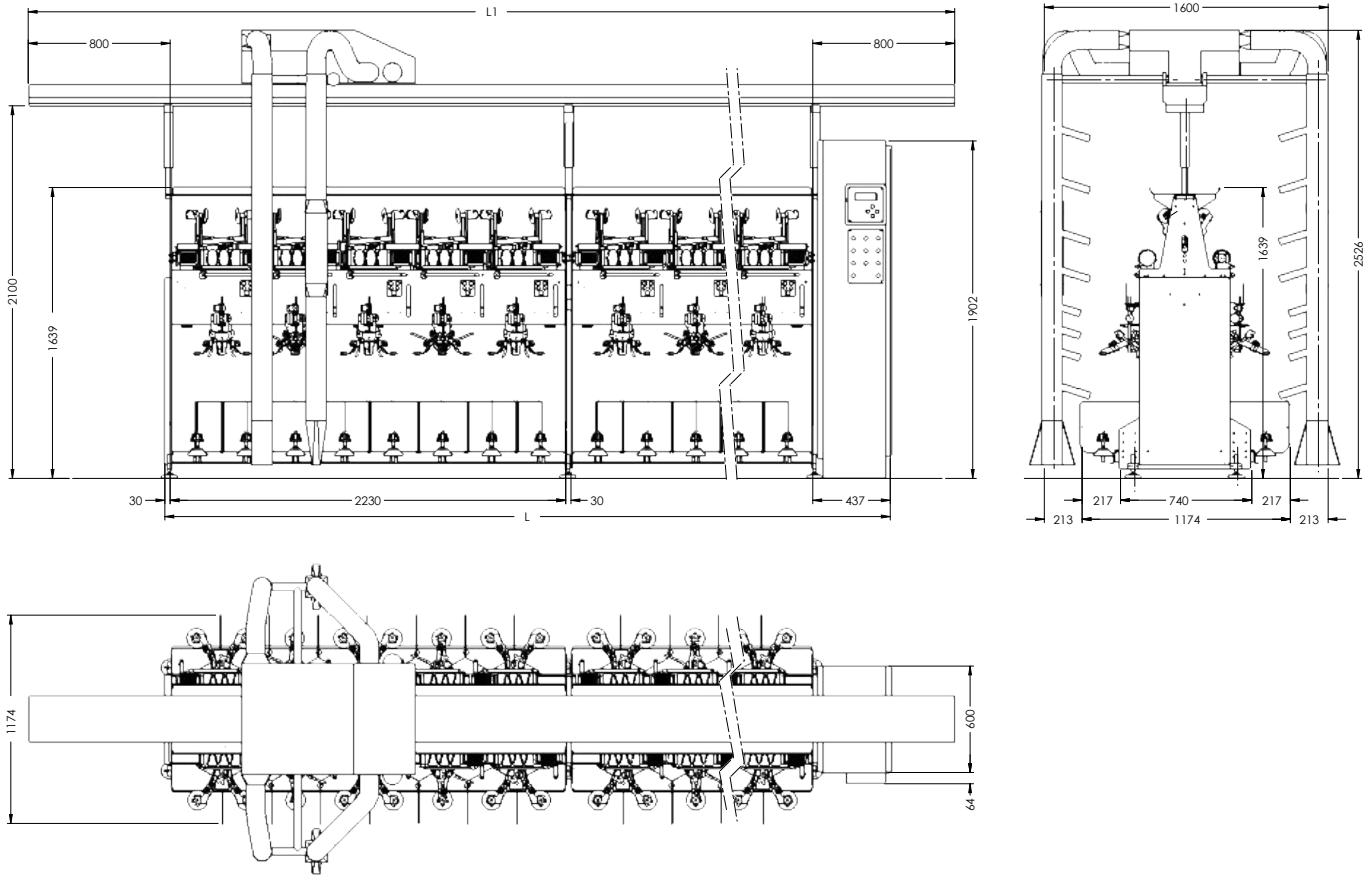
TECHNICAL DATA

Machine configuration SA - 6 inch (152 mm)	from 5 up 60 spindles, single sided (5 spindles per unit)
Machine configuration SA - 7 inch (178 mm)	from 10 up 90 spindles, double sided (10 spindles per unit)
Machine configuration SA - 8 inch (200 mm)	from 5 up 60 spindles, single sided (5 spindles per unit)
Machine configuration SA - 10 inch (250 mm)	from 10 up 60 spindles, double sided (10 spindles per unit)
Yarn traverse	6 inch (152 mm) - 7 inch (178 mm) - 8 inch (200 mm) - 10 inch (250 mm)
Conicity	Cylindrical tubes 170 - 200 - 225 - 230 - 280 mm long Internal diameter 43 mm - 56 mm - conical tubes upon request
Package's diameter	up to 290 mm
Feeding package's diameter	up to 270 mm
Motorization	individual AC coaxial motor per spindle
Voltage supply	400V 3phase - 50/60Hz
Power installed	SA 6 inch: 0,09 Kw per spindle SA 7/8/10 inch: 0,12 Kw per spindle
Take-up speed	from 250 to 1200 m/min
Grooved drums available	SA 6 inch - Ø 95 mm, 2 turns constant pitch SA 7 inch Ø 97 mm, 2,5 turns constant pitch SA 8 inch Ø 90 mm, 2,5 turns constant pitch SA 10 inch Ø 100 mm, 2,5 turns constant pitch



- **Gas controlled arm pressure** to accurately control the package density and tailstock with spring for axial compensation

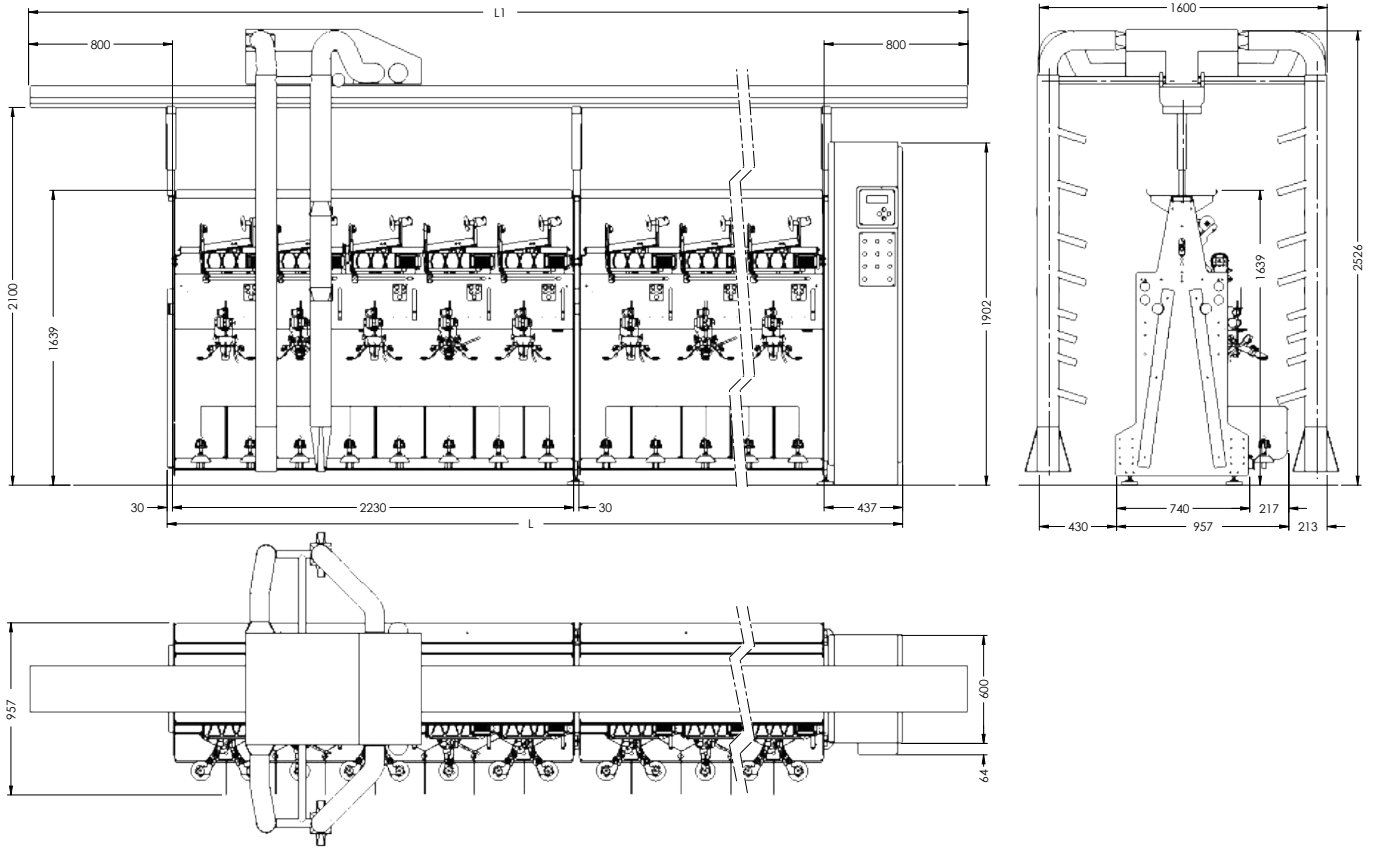
SA 6/7/8 inch double sided configuration with overhead trolley blower



Number of heads	10 heads	20 heads	30 heads	40 heads	50 heads	60 heads	70 heads	80 heads	90 heads
Length L (mm)	2699	4959	7219	9479	11739	13999	16259	18519	20779
Length L1 (mm)	3830	6090	8350	10610	12870	15130	17390	19650	21910
Machine weights (Kg)	743	1226	1709	2192	2675	3158	3641	4124	4607
Power installed (Kw)	3.6	4.5	5.4	6.3	7.2	8.1	9	9.9	10.8



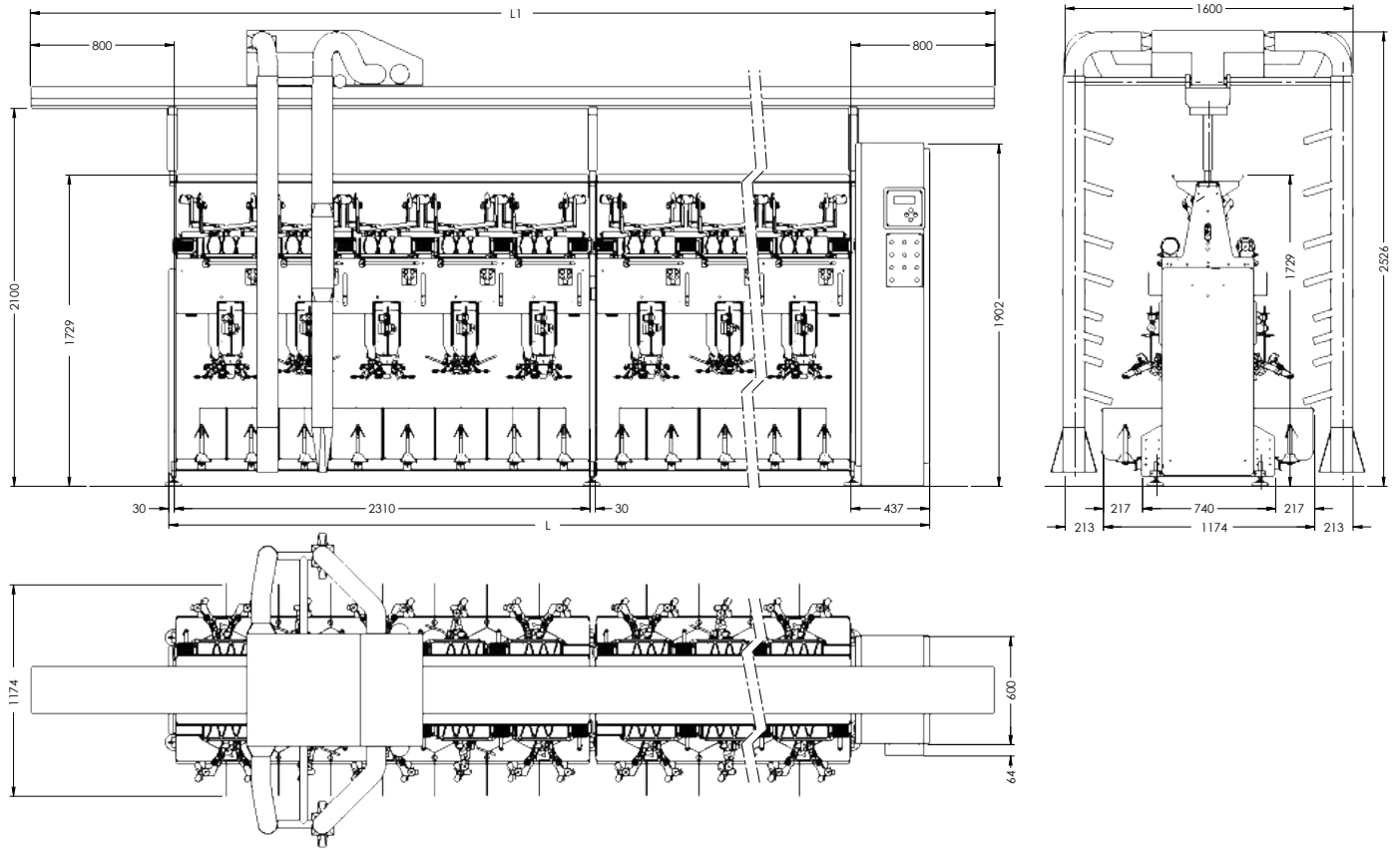
SA 6/7/8 inch single sided configuration with overhead trolley blower



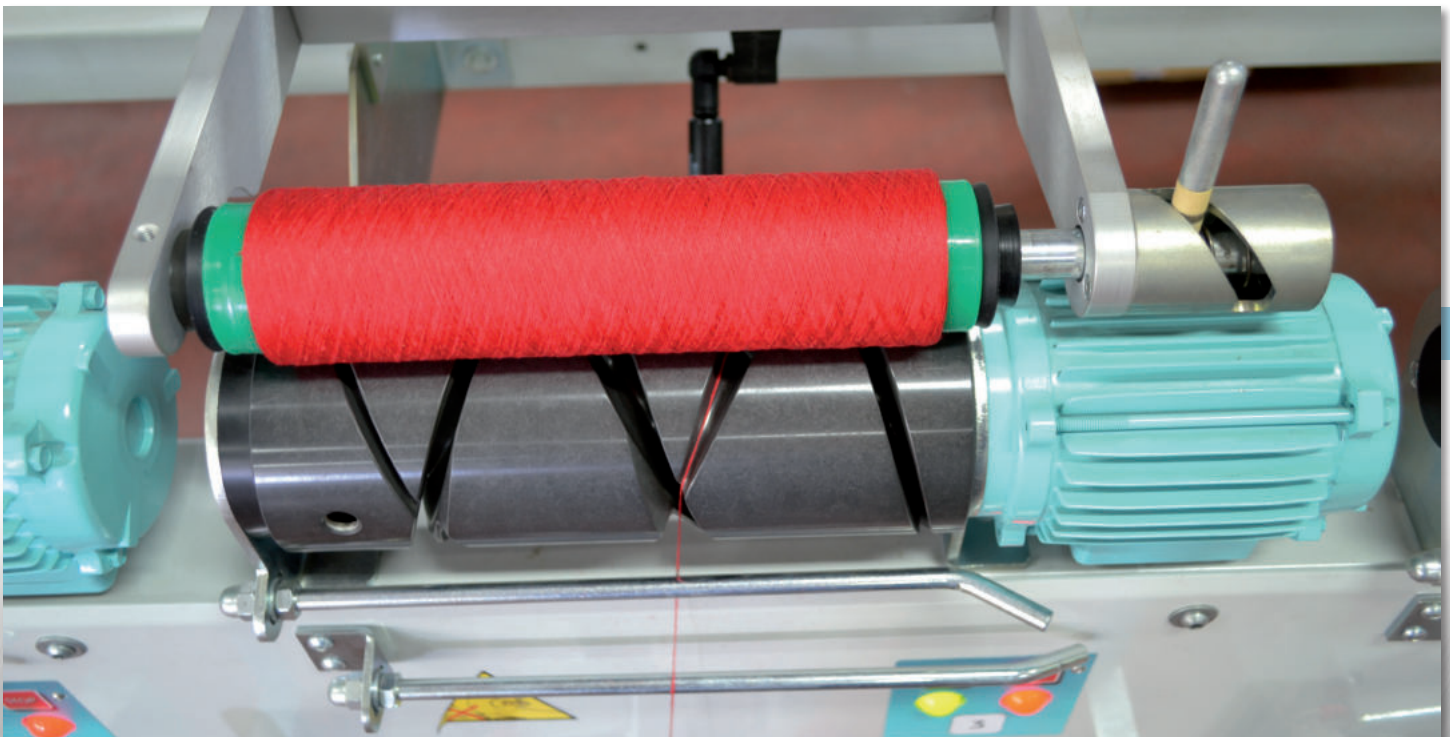
Number of heads	5 heads	10 heads	15 heads	20 heads	25 heads	30 heads	35 heads	40 heads	45 heads	50 heads	55 heads	60 heads
Length L (mm)	2699	4959	7219	9479	11739	13999	16259	18519	20779	23039	25299	27559
Length L1 (mm)	3830	6090	8350	10610	12870	15130	17390	19650	21910	24170	26430	28690
Machine weights (Kg)	603	946	1289	1632	1975	2318	2661	3004	3347	3690	4033	4376
Power installed (Kw)	3.15	3.6	4.05	4.5	4.95	5.4	5.85	6.3	6.75	7.2	7.65	8.1



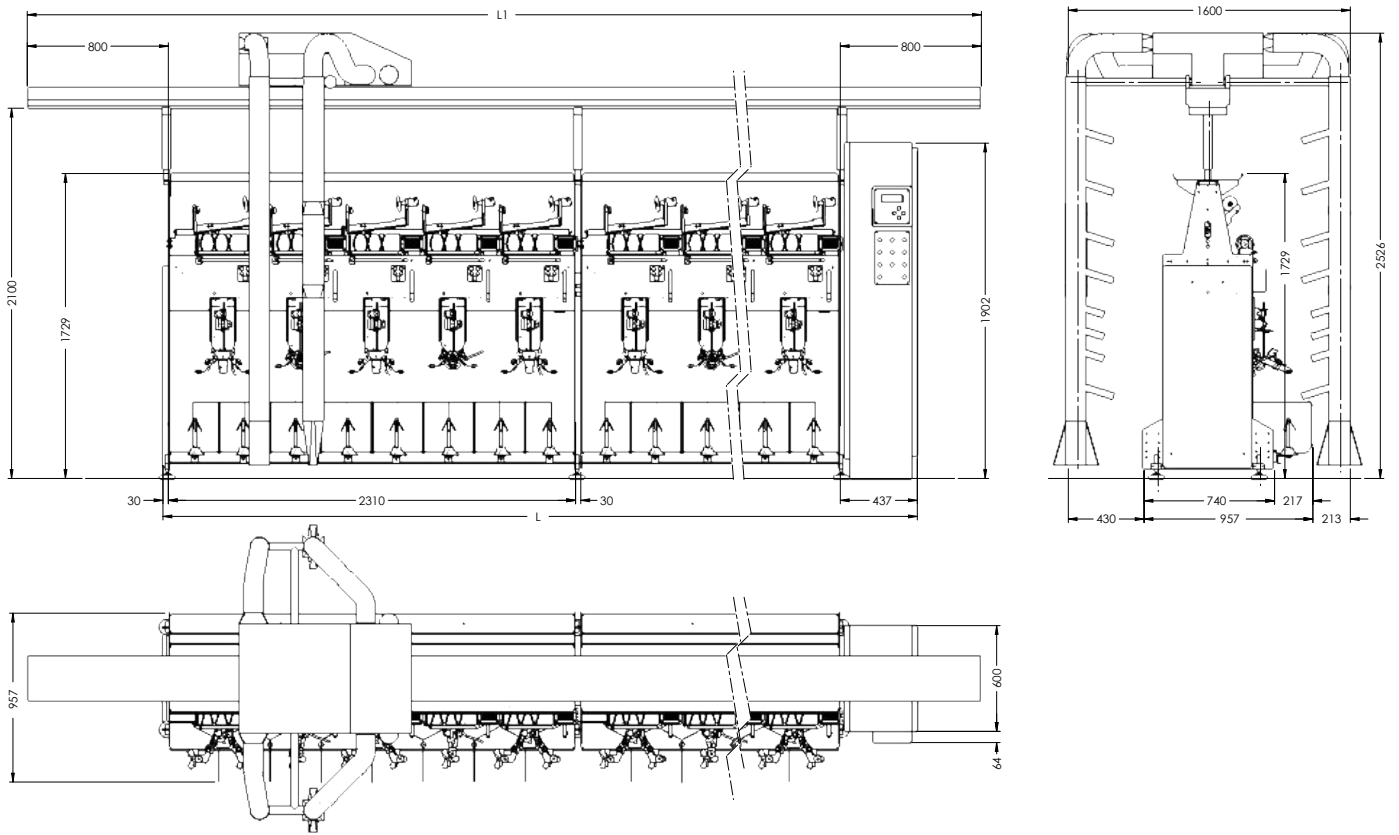
SA 10 inch double sided configuration with overhead trolley blower



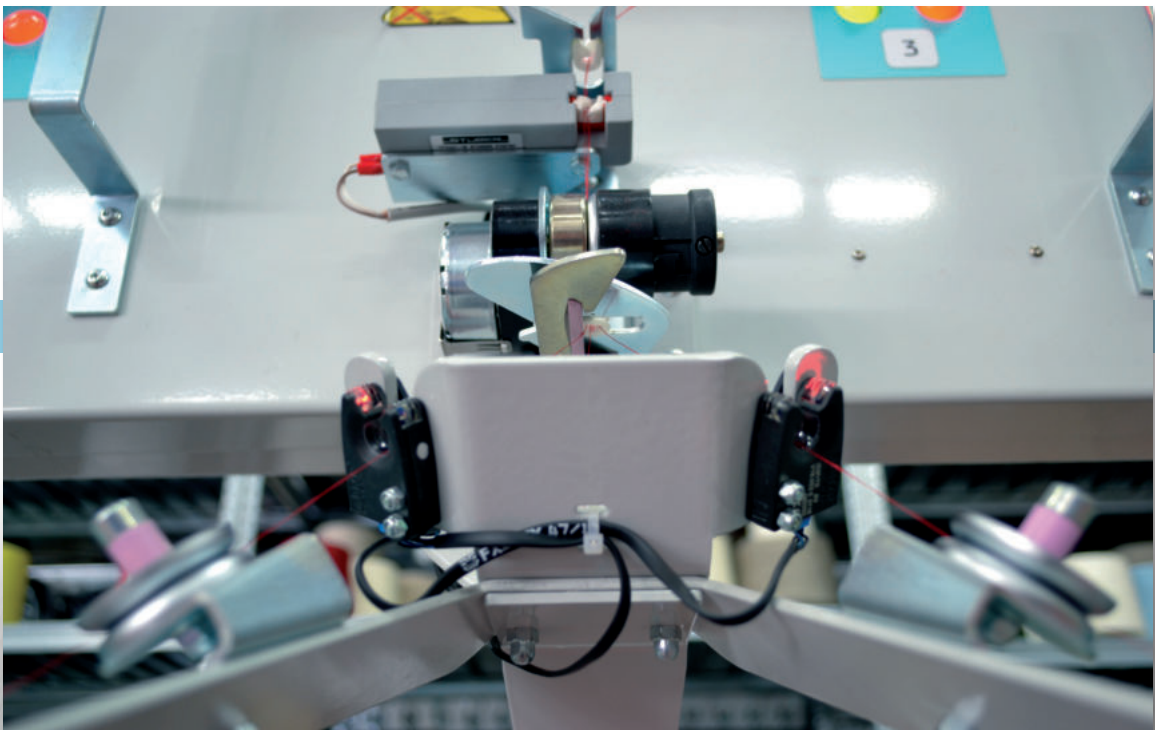
Number of heads	10 heads	20 heads	30 heads	40 heads	50 heads	60 heads
Length L (mm)	2779	5119	7459	9799	12139	14479
Length L1 (mm)	3910	6250	8590	10930	13270	15610
Machine weights (Kg)	764	1268	1772	2276	2780	3284
Power installed (Kw)	3.6	4.5	5.4	6.3	7.2	8.1



SA 10 inch single sided configuration with overhead trolley blower



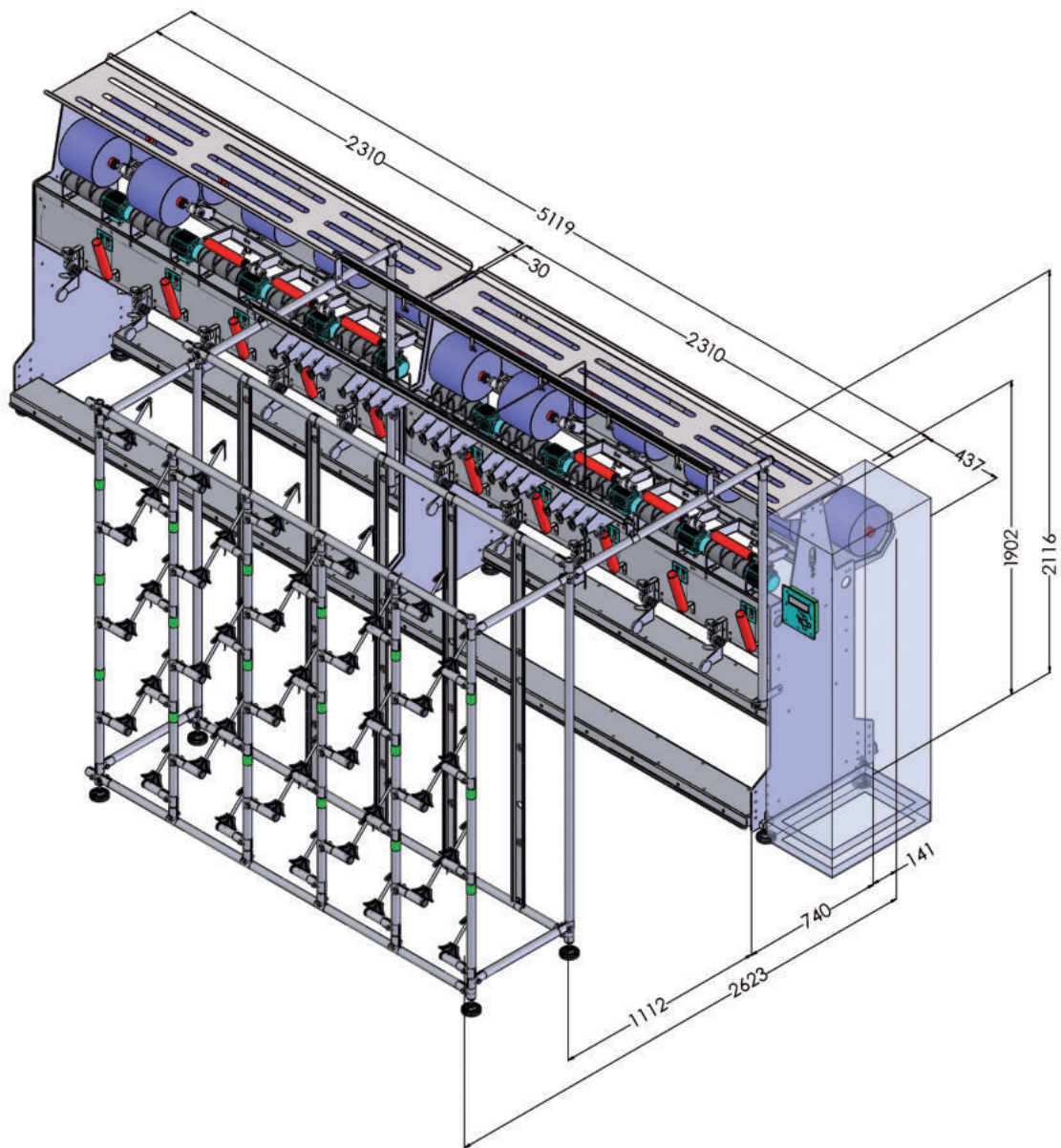
Number of heads	5 heads	10 heads	15 heads	20 heads	25 heads	30 heads	35 heads	40 heads	45 heads	50 heads	55 heads	60 heads
Length L (mm)	2779	5119	7459	9799	12139	14479	16819	19159	21499	23839	26179	28519
Length L1 (mm)	3910	6150	8590	10930	13270	15610	17950	20240	22630	24970	27310	28690
Machine weights (Kg)	614	968	1322	1676	2030	2384	2738	3092	3446	3800	4154	4508
Power installed (Kw)	3.15	3.6	4.05	4.5	4.95	5.4	5.85	6.3	6.75	7.2	7.65	8.1



OPTIONAL

EXTERNAL CREEL

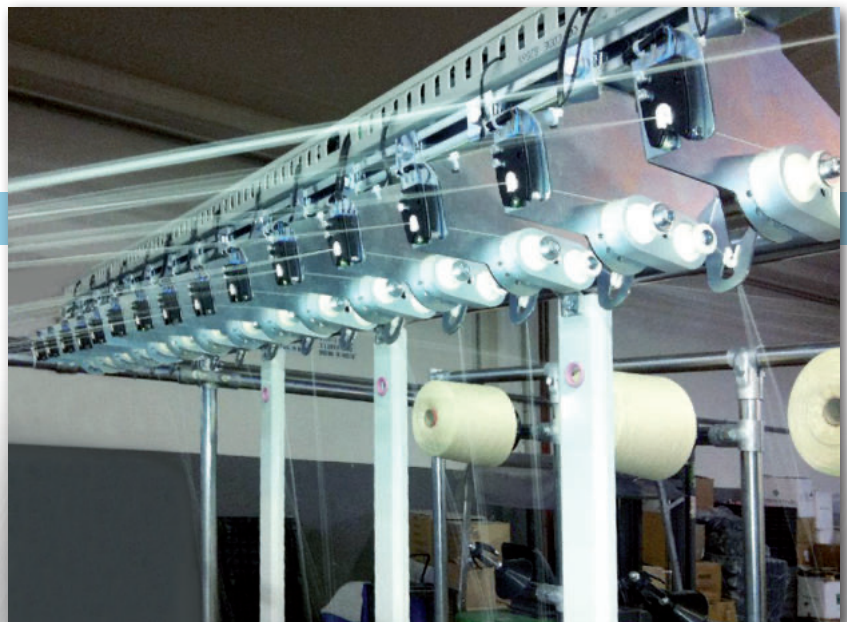
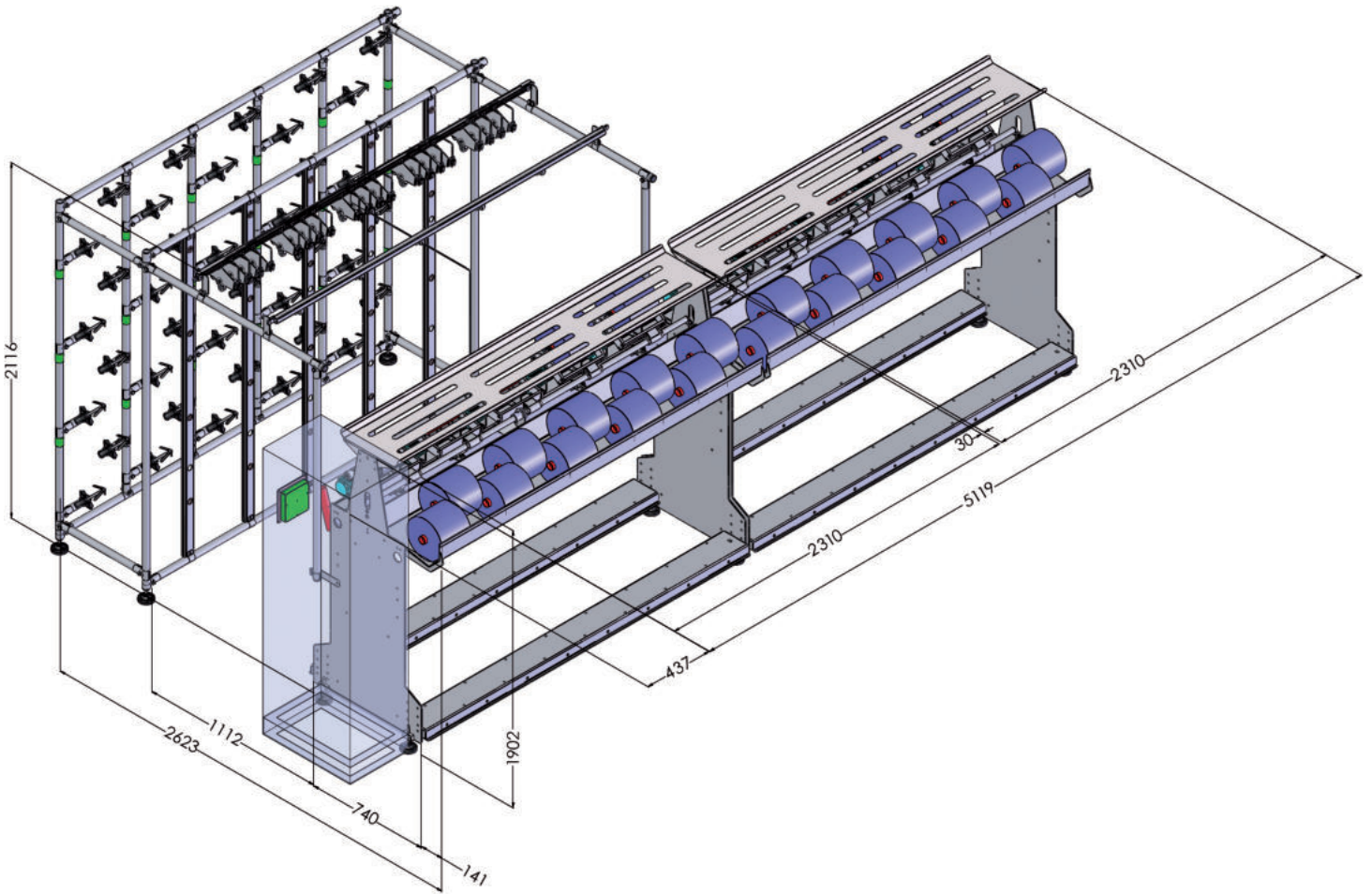
With **top and tail system**, for the **SA** assembly winder



TECHNICAL DATA

- **External creel** for feeding 2, 3 or 4 plies with reserve and top and tail system
- **External creel** for feeding 5, 6, 7 and 8 plies without reserve
- Aluminium tubular galvanized structure
- Universal bobbin holders
- B TSR optical yarn **detection sensors**
- **Ceramic tensioners**
- In machine **ceramic pulley**
- **Anti-ballon ceramic** rings

OPTIONAL



OPTIONAL

TUNNEL EXTERNAL CREEL FOR THE SA ASSEMBLY WINDER

Set to feed **from 3 to 14 plies + reserve**



TECHNICAL DATA

- **Overfeeding system** to even the tension of the yarn coming from the external creel.
The percentage of overfeeding ranges from 1% up to 50% can be selected on the control panel

“LUBRIFIL” OPTIONAL



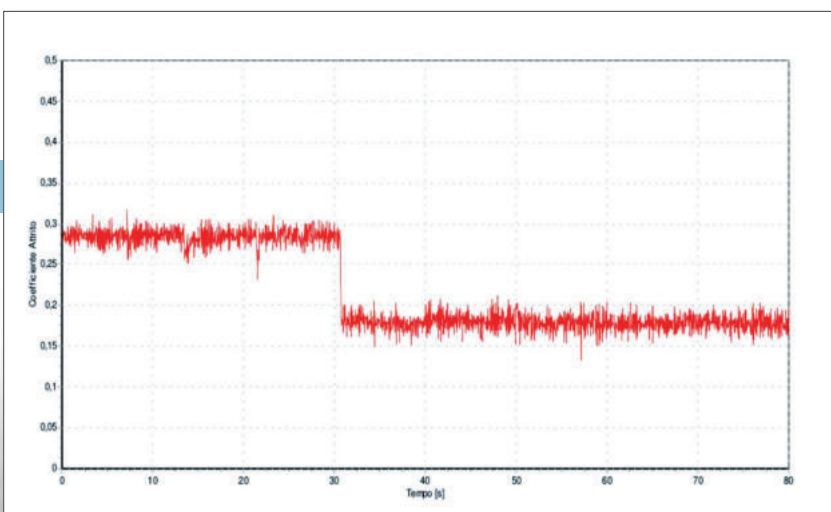
LUBRIFIL SYSTEM

The **LUBRIFIL oiling system** grants excellent results on all types of yarn, be they synthetic, spun or multifilament, of animal origin like wool and silk, or vegetable like flax and cotton, either pure or blended with different fibres.

PRODUCTION BENEFITS

The adoption of the **LUBRIFIL oiling system** leads to multiple advantages:

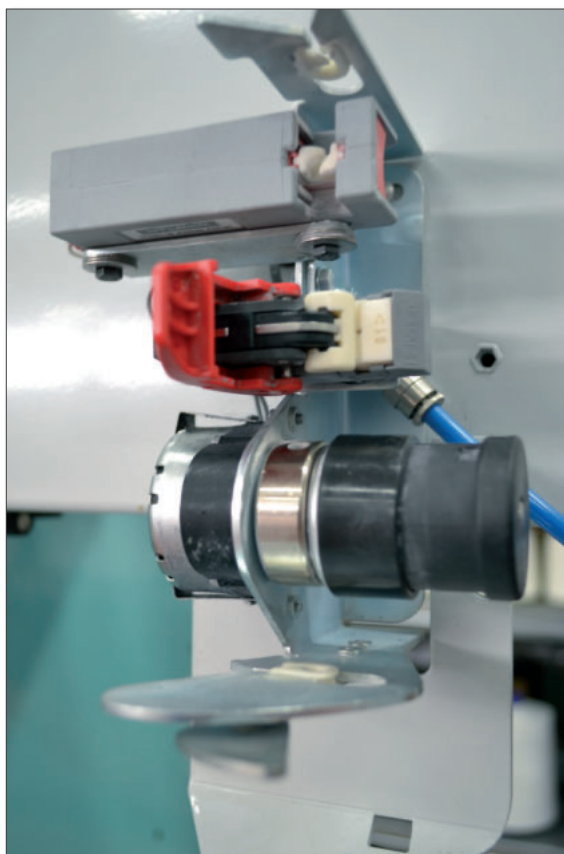
- Dramatic reduction of eyelets while assembly winding and twisting
- Increased production in twisting and the following operations
- Superior and constant fluidity of the yarn
- Reduction of breakages
- Better efficiency of the weaving and knitting machines
- Elimination or reduction of the electrostatic charge of the yarn, ideal though for silk, wool and synthetic fibres
- Substantial reduction of the hairiness of the spun yarns and consequent reduction of dust and fluff



MOD. SA-INT.H

OPTIONAL

Assembly winder with interlacing device and electronic overfeeder for Lycra and elastomers



- SA-INT.H assembly winder equipped with **BTSR Multi Feeder electronic overfeeding system** and **Heberlein Swiss Jet+** interlacing device, specific to interlace texturized yarns combined with the electronic tension control of the Lycra

- **Heberlein interlacing** device with interchangeable chambers, according to the count to be processed

- **BTSR Multi Feeder electronic overfeeding system**, with loading cell and digital display to program the requested tension for the take-up yarn or Lycra

