



R353/R354

Leaders in twisting technology since 1869

**RATTI COVERING MACHINERY
ELASTIC AND RIGID YARNS**



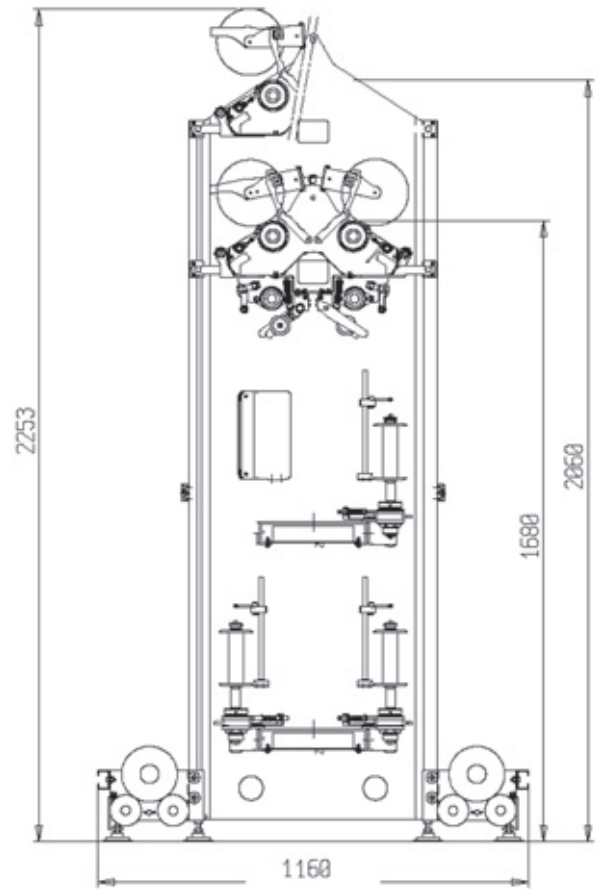
made in **Italy**

SINGLE/DOUBLE FULLY ELECTRONIC COVERING MACHINE

R353 – Single covering system, convertible in double covering

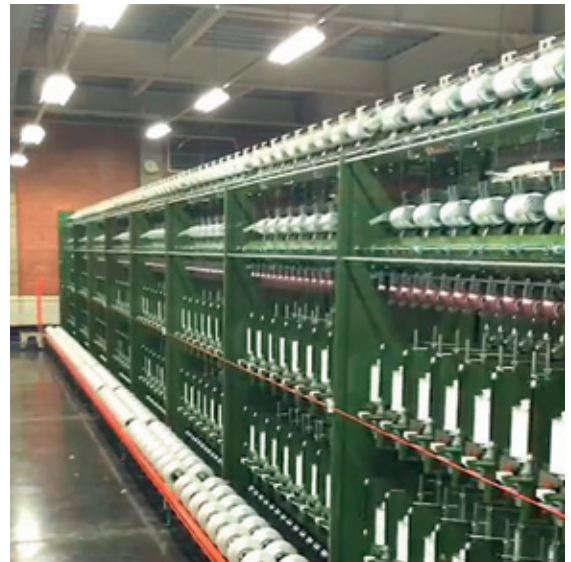
R354 – Double covering system

- Fully electronic system (spindle, traverse, draft, take-up).
- Machine with 32 spindles per section and easily convertible into double covering.
- The hollowed spindles are the model SX or HD, with replaceable bearings.
- The spools (flanged bobbins) are fitted on the spindles through bayonet caps, thus allowing the use of a wide range of spools.
- Spindles are fixed on swinging arm in oil bath, for easy intervention onto each single position.
- “Cell-like” separators between spindles for protecting the covering balloon.
- The draft is controlled through rubber-covered pressure rollers (nip-rolls), on which is possible to wind many yarn wraps to prevent a quick rubber wearing, these pressure rollers are equipped with a yarn displacement device.
- The take-up cradle is the “open-arm” type, with centering running on ball bearings and equipped with braking system to improve the formation of the bobbin.
- 50 different recipes of yarns processing in the computer memory.
- Electronic transfer tail device.
- Machine built according to the last CE standards for quality and safety.



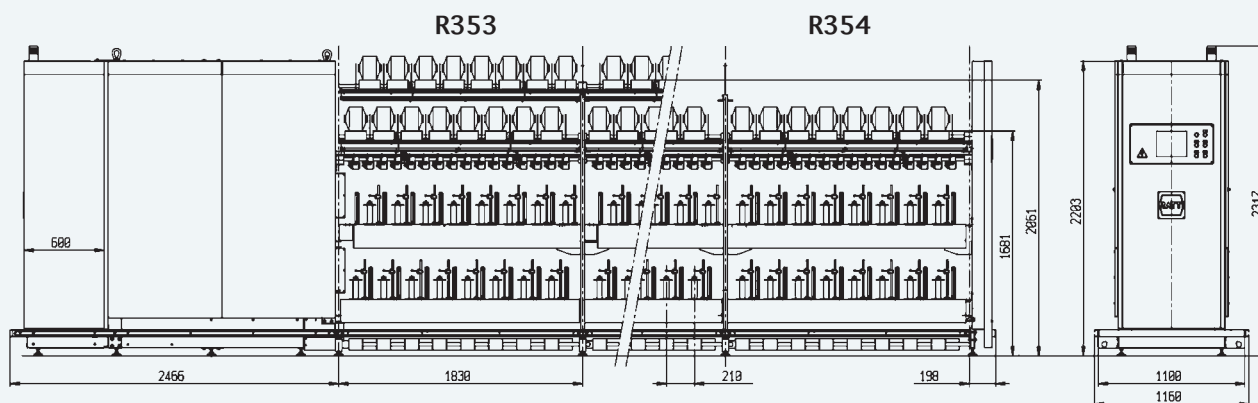
OPTIONALS

- ADJUSTABLE PRE-DRAFTING DEVICE
- RUBBER FEEDER + DEVIATORS FOR RUBBER TAPE
- STEP TROLLEY
- INSPECTION WINDOWS ONTO THE HEADSTOCK DOORS
- TRIPLE ROLLER FOR ELASTOMER SUPPLY PACKAGE (BIG SIZE) UNWINDING
- MECHANICAL MACHINE VERSION
- REMOTE ASSISTANCE
- MACHINE LINKING TO COMPANY NETWORK
- POSSIBILITY TO PERSONALISE THE MACHINE, ACCORDING TO THE CUSTOMER REQUIREMENTS



SPINDLE-FLANGED BOBBIN INDICATIVE TABLE

Type	Whorl Ø mm	Speed rpm	Spools traverse mm	Spool Flange mm	Spool Barrel mm
SX	25	25.000	140	76	36
SX	25	23.000	140	84	36
SX	25	22.000	140	92	53
SX	25	24.000	165	76	36
SX	25	22.000	165	84	36
SX	32	20.000	140	92	36
HD	32	16.000	165	92	50



Number of section	1	2	3	4	5	6	7	8	9
Number of spindle	32	64	96	128	160	192	224	256	288
Machine length	4.494	6.324	8.154	9.984	11.814	13.644	15.474	17.304	19.134

TECHNICAL DATA

SPINDLES

machine model: R353 / R354

Spindle per section	32	nr
Spindle type	OMM SX or HD	
Whorl diameter	25 (SX model) 32 (HD model)	mm
Spindle gauge	210	mm
Max. working speed	See spindle/flanged bobbin table	Rpm
Spindles speed	Electronic control (INVERTER)	
Spindles drive	Tangential belt	
Range of wraps number per meter	Steplessly adjustable	
Traverse system device	Electronic control	
Soft edges device	Electronic control	
Anti - mirror device	Electronic control	

TYPE OF FEEDING PACKAGE

Covering yarn: flanged bobbin type	See table	
Core yarn (spandex/rubber): bobbin width	55/115	mm

ELASTOMER TREATMENT

Elastomer unwinding	Double roller	
Drafting ratio	2 - 6,3	nr
Drafting device	Pressure roller	
Take-up overfeed	1 - 4,5	nr
Pre-drafting percentage	30	%

TAKE-UP

R353

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Number of decks	2	1	nr
Max. bobbin diameter	180		mm
Traverse length	150		mm
Tube length	172		mm
Tube diameter	56 or 74,5		mm
Max. mechanical speed at take-up	60		m/min



TAILOR MADE MACHINES CAUSE YOUR NEEDS IS OUR JOB!

The data and images contained in this catalogue are indicative. The company reserves the right of making any modifications of technical-construction type without previous notice.



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