



R326 N

Leaders in twisting technology since 1869

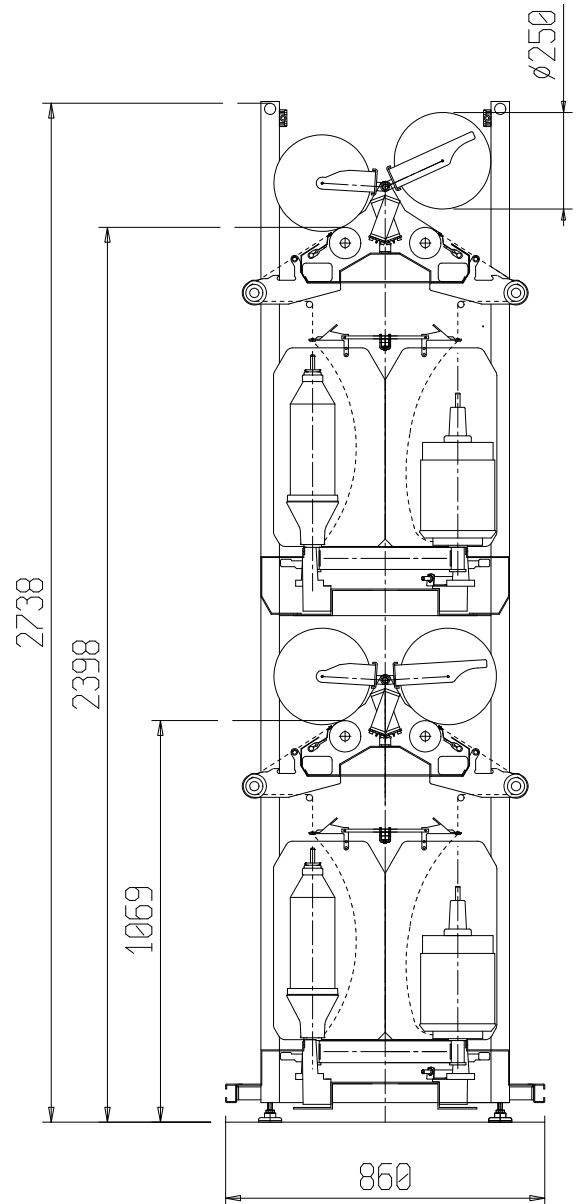
RATTI TWISTING MACHINERY
SYNTHETIC AND ARTIFICIAL

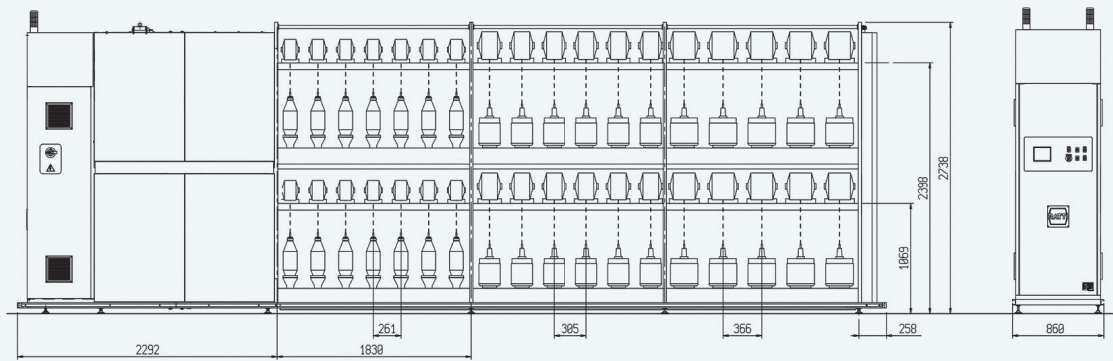


made in **Italy**

TFO TWISTER FOR SYNTHETIC AND ARTIFICIAL YARNS

- TFO twister for the processing of continuous fiber as Polyester, Polyamide, Polypropylene, Acetate, Viscose, textured or flat yarns.
- Two completely independent decks, with two motors and relevant independent controls.
- The section length of 1830 mm allows three different gauges (261, 305, 366 mm), depending on the type of spindle used.
- A wide range of spindles for cops (from DT110N to DT140N) and for bobbins (from NT180 to NT260) are available granting R326 N a high flexibility.
- Spindles fitted on swing arm (spindle disengagement) in oil bath, for easy intervention on each position.
- Spindles for cops fully ceramic coated.
- Yarn guard, with ceramic insert, acting in case of yarn breakage.
- “Cell-like” metal separators between spindles.
- Sintered ceramic overfeeders fitting easily removable protection caps, to avoid yarn entangling at the side of the overfeeders themselves.
- Adjustable, ceramic yarn guide rollers before the overfeeders, with lock-in position knob, for a finest take-up tension setting.
- Inverterised spindles driving motor.
- Individual take-up drums of phenolic resin.
- Take-up cradles equipped with double braking system for anti-dampening at high speed.
- Take-up tubes centring of large diameter and running onto ball bearings.
- Automatic transfer tail device.
- Automatic lifting of take-up packages at yarn breakage, pneumatically controlled.
- Gearbox for winding of cylindrical or biconical bobbins, with lip motion device, for soft edges.
- All machine controls (spindles and overfeeders speed, TPM setting) located in a single head-stock.
- Touch screen control panel, for the monitoring of: spindles speed, take-up speed, yarn meter counter, alarm displaying, working hours, maintenance program memo, settings of S and Z twist direction.
- Machine built according to the last CE standards for quality and safety.





Number of sections	1	2	3	4	5	6	7	8	9	10	11	12
Number of spindles	28/24/20	56/48/40	84/72/60	112/96/80	140/120/100	168/144/120	196/168/140	224/192/160	252/216/180	280/240/200	308/264/220	336/288/240
Machine length (mm)	4380	6210	8040	9870	11700	13530	15360	17190	19020	20850	22680	24510

TECHNICAL DATA

SPINDLES

Gauge	261				305		366			mm
Spindle type	DT110N	DT132N	DT140N	NT180	NT180	NT220	NT220	NT220/240	NT260	
Spindles per section	28				24		20			nr
Max. no. of spindles	336				288		240			nr
Max. technological speed	15.000	12.000	12.000	10.000	10.000	8.000	8.000	8.000	7.000	rpm
Twist range	60-2770	60-2770	60-2770	60-2320	60-2320	60-1870	60-1870	60-1870	60-1520	TPM
Count range	22-330	22-560	22-560	78-560	78-560	167-560	167-560			Dtex
Type of supply package	cops	cops	cops	bobbin	bobbin		bobbin			
Supply package max ø	110	130	140	175	175	210	210	230	250	mm
Supply package max. length	380	420	420	290	290		290			mm

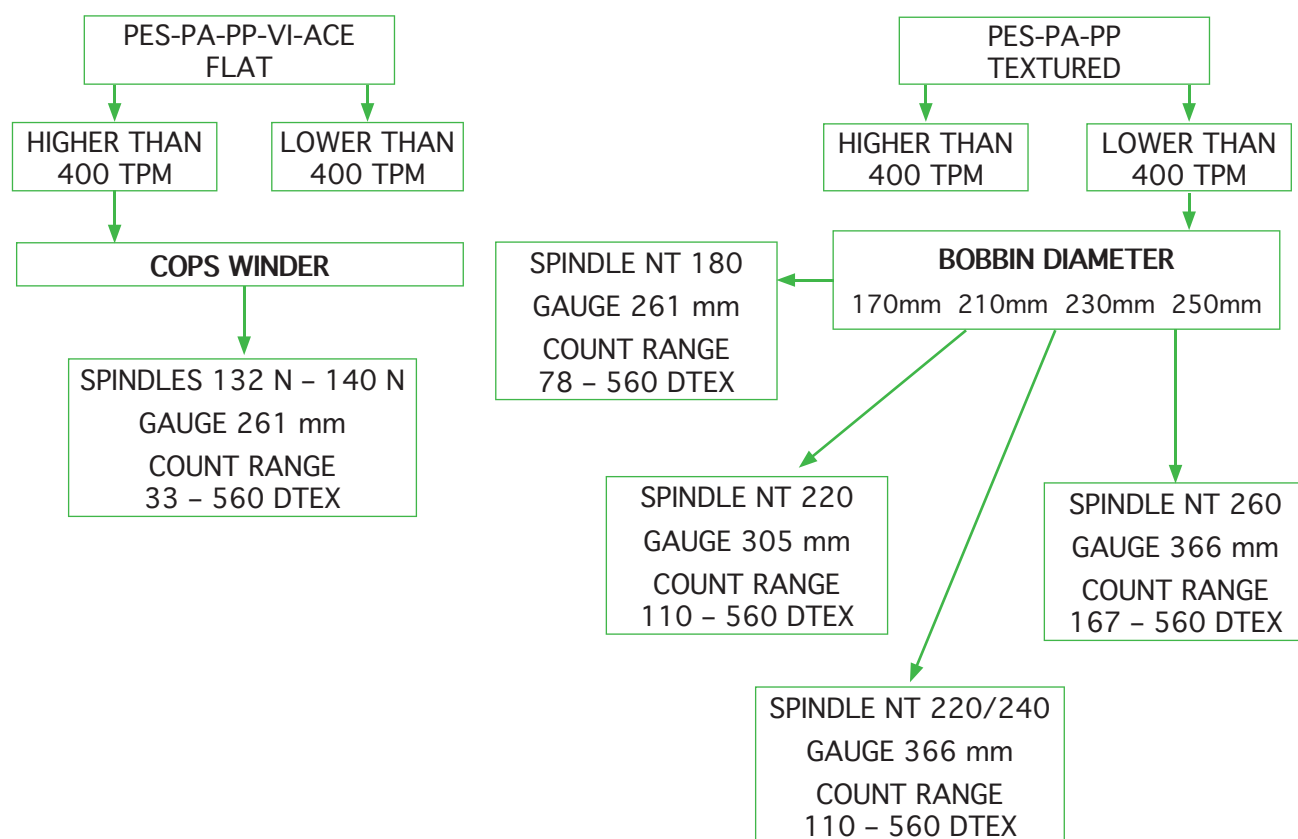
TAKE-UP

Number of decks	2				nr	
Take-up per section	28		24		20	nr
Max. number of take-up	336		288		240	nr
Gearbox	UDR		UDR		UDR	
Traverse max	200		200		250	mm
Diameter max	250		250		250	mm
Tube dimensions (Dia x L)	56x230		56x230		69x290	mm
Max mechanical speed	200		200		200	m/min
Max technological speed	170		170		170	m/min

FRAME

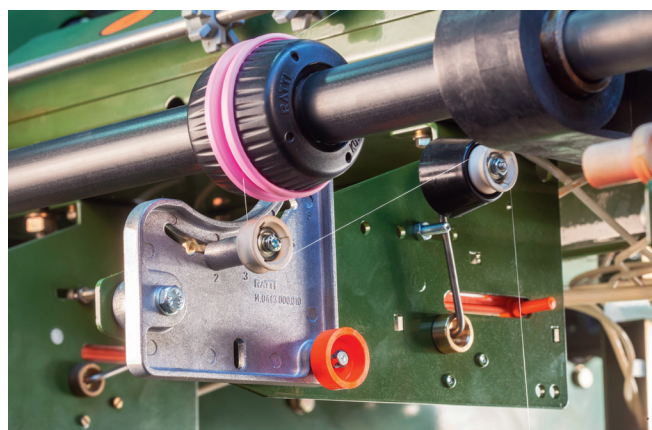
Max. Number of sections	12				nr	
Section length	1830				mm	
Max Machine length	24510				mm	
Machine width	860				mm	
Machine height	2738				mm	
Height at take-up (upper/lower deck)	2398/1069				mm	
Max. installed motor power	22					
Max. weight, approx	9880		9354		9091	kg

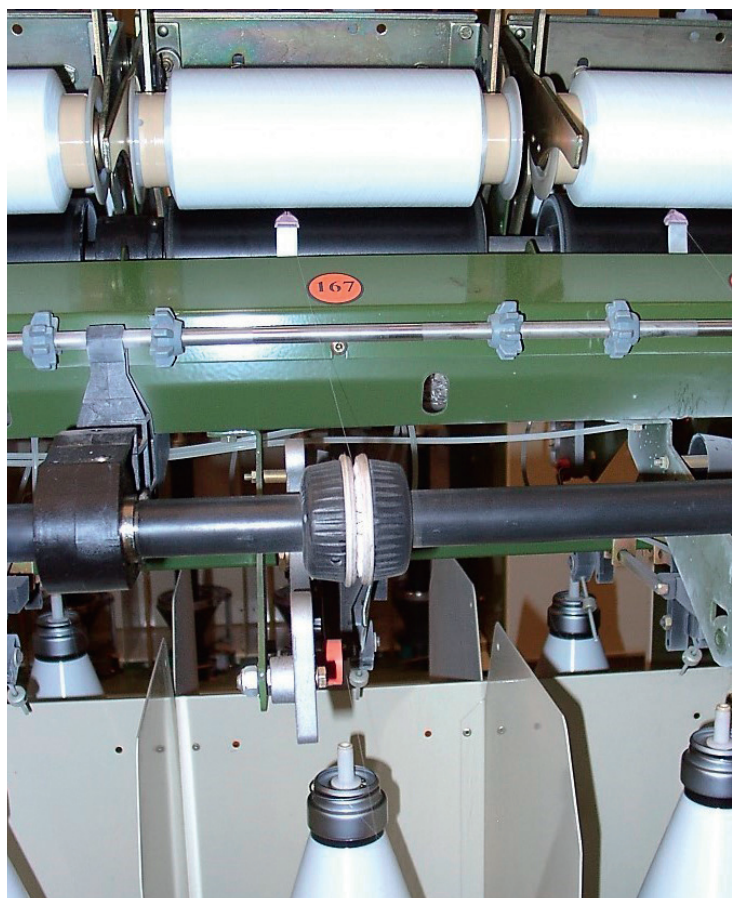
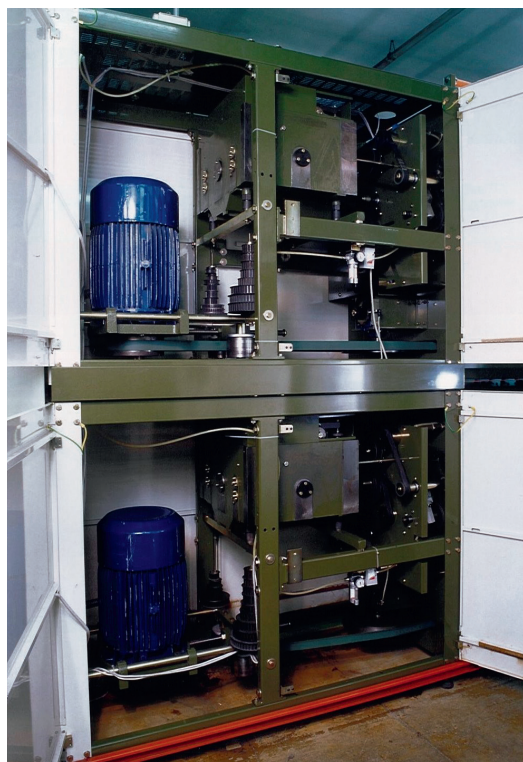
WORKING PROCESS FLOW CHART



OPTIONALS

- ELECTRONIC SETTING OF THE TPM LEVEL
- INVERTERISED OVERFEEDER DRIVING
- SOFT WINDING FOR DIRECT DYEING
- TAKE-UP BOBBIN WITH MODIFIED EDGE PROFILE
- YARN OILING DEVICE
- INDIVIDUAL TAPERING
- AUTOMATIC/PNEUMATIC SPINDLE DISENGAGEMENT, IN CASE OF YARN BREAKAGE (ONLY WITH BOBBIN TYPE SPINDLES)
- REMOTE ASSISTANCE
- MACHINE LINKING TO COMPANY PROFILE
- POSSIBILITY TO PERSONALISE THE MACHINE, ACCORDING TO THE CUSTOMER REQUIREMENTS





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.



**TAILOR MADE MACHINES
CAUSE YOUR NEEDS IS OUR JOB!**



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