



R325 N CUI

Leaders in twisting technology since 1869

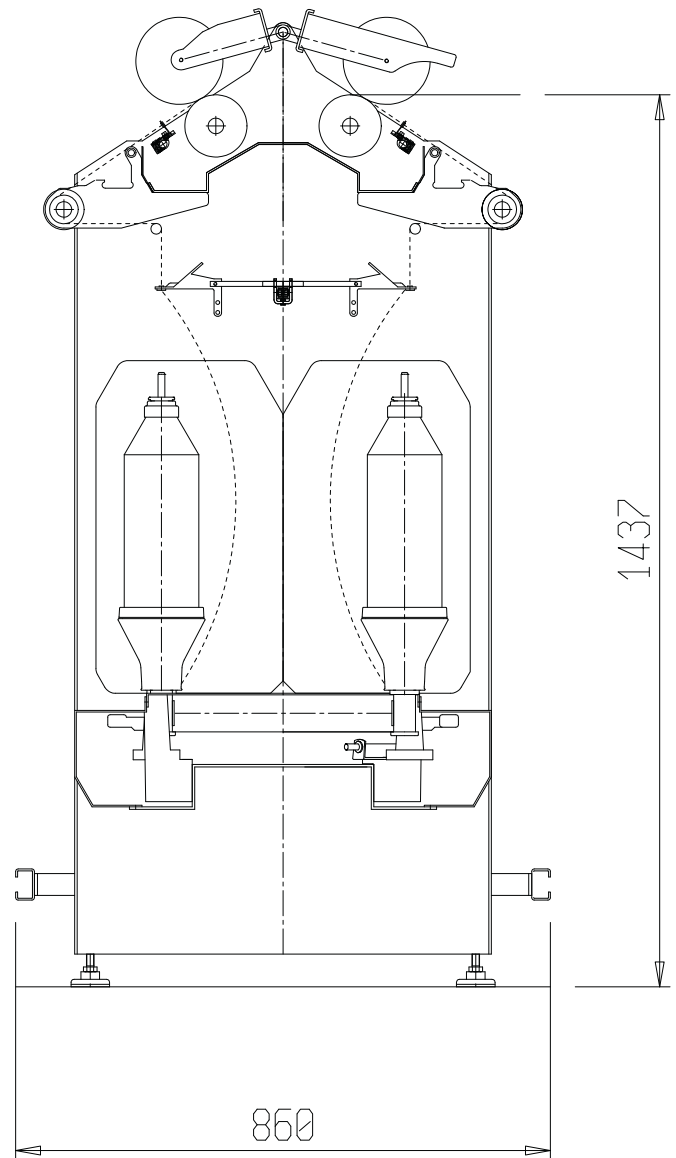
RATTI TWISTING MACHINERY
SEWING THREAD

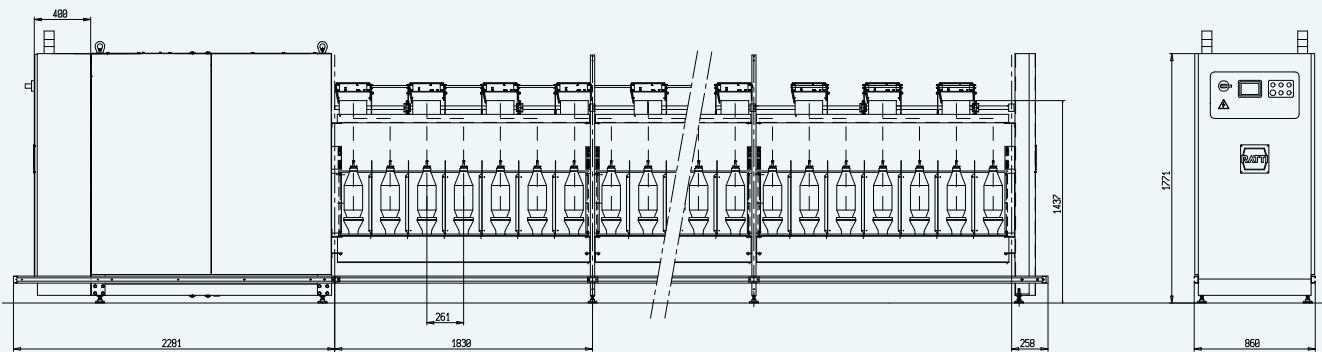


made in *Italy*

TFO TWISTER FOR THE PROCESSING OF FIRST TWIST OF SEWING THREADS

- The single ends are individually twisted and then assembly wound, parallel, onto a flanged bobbin.
- It's possible to assemble 2, 3, 4 ends of Polyester, Polyamide, Viscose or Acetate for the processing of sewing or embroidery threads.
- A switch located on the control panel permits easy setting of the yarn cutter for 2, 3, or 4 ends.
- The standard version is equipped with spindles model DT140N for cops with a 261 mm gauge.
- Spindles mounted on swing arm in oil bath for easy access in each position.
- The individual ceramic overfeeders ensure a perfect uniformity of yarn tension of each end during the assembly winding.
- Adjustable yarn – guide roller around the overfeeder for fine take-up tension adjustment.
- Inverterised spindles driving motor
- In case of yarn breaks, the sensor detects the missing end and the cutters cut the other ends.
- The machine can work with flanged bobbin of 1,5 Kg (3lb.) or 3 Kg (6 lb.).
- The gearbox is equipped with a lip motion system for softer edges.
- All machine controls – spindles speed and overfeeder, TPM setting located in a single head stock.
- Touch screen control panel, for the monitoring of: spindles speed, take-up speed, working hours, “S” and “Z” twist, number ends 2, 3, 4, yarn meter counter for obtaining measured length packages.
- The machine is built according to the last CE standards for quality and security.





Number of sections	1	2	3	4	5	6	7	8	9	10	11	12
Number of spindles	14	28	42	56	70	84	98	112	126	140	154	168
Machine length (mm)	4369	6199	8029	9859	11689	13519	15349	17179	19009	20839	22669	24499

TECHNICAL DATA

FLANGED BOBBIN

1,5 KG

3 KG

SPINDLES

Spindle type	DT110N	DT140N	DT110N	DT140N	
Gauge	261				mm
Spindles per section	14				nr
Max. no of spindles	168				nr
Max. technological speed	15.000	12.000	15.000	12.000	rpm
Twist range	60-2340		60-1638		TPM
Count range	22-330	33-560	22-330	33-560	Dtex
Type of supply package	cops				
Supply package max. diameter	110	140	110	140	mm
Supply package max. length	380	420	380	420	mm

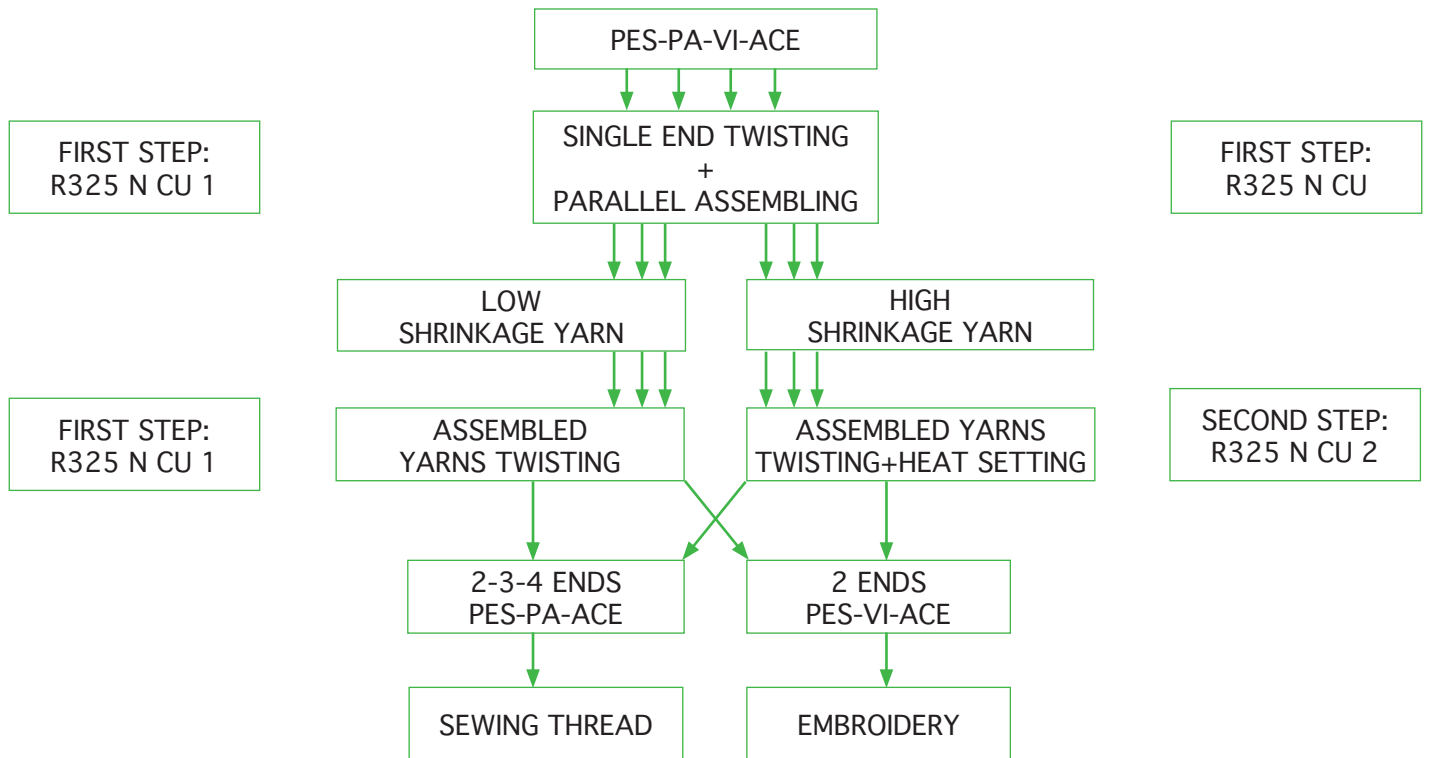
TAKE-UP

Number of ends	2,3,4				nr
Take-up per section	7				nr
Max. number of take-up	84				nr
Gear box	UD				
Type of package	flanged bobbin				
Flange diameter	140		175		mm
Traverse	200				mm
Barrel diameter	70				mm
Max. technological speed	60				m/min

FRAME

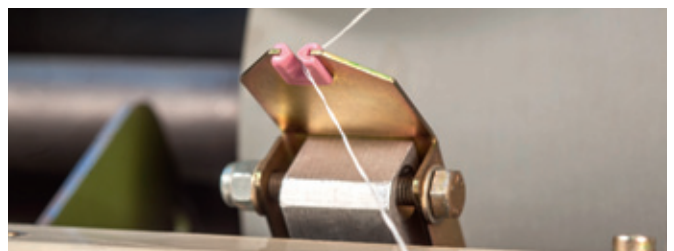
Max. number of sections	12				nr
Section length	1830				mm
Machine width	860				mm
Max. machine length	24499				mm
Machine height	1756				mm
Height at take-up	1437				mm
Max. installed motor	22				kW
Weight max approx.	4750				kg

FLOW CHART OF SEWING THREADS PROCESS FOR SINGLE YARN FROM 33 TO 560 DTEX



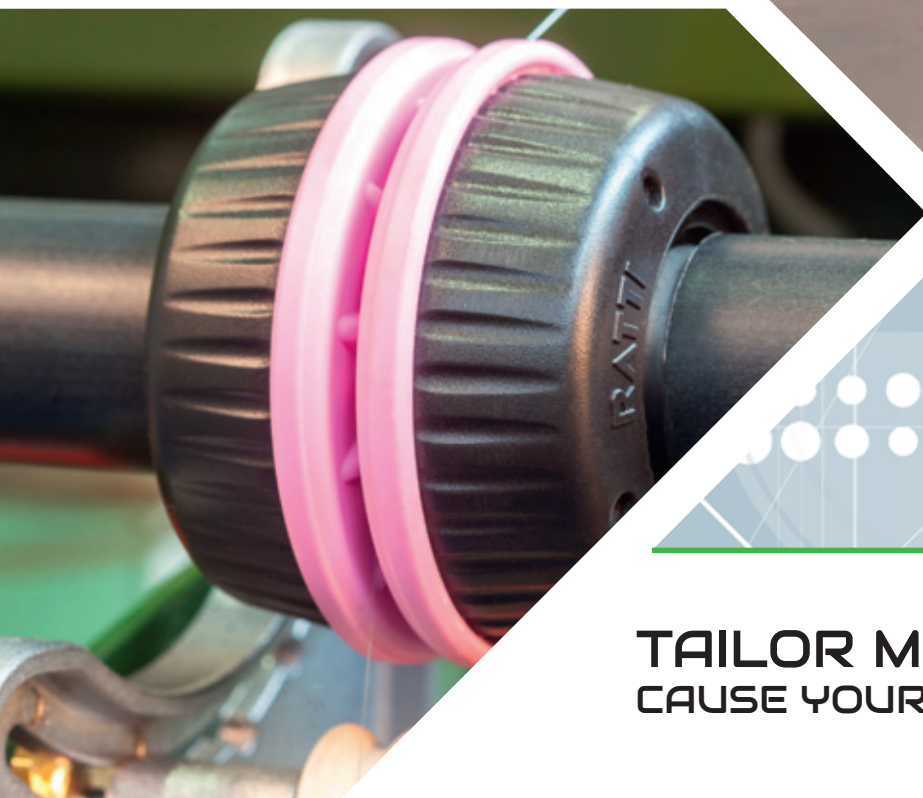
OPTIONALS

- BRAKING SYSTEM FOR ANTI-DAMPENING AT HIGH TAKE-UP SPEED
- ELECTRONIC SETTING OF THE TPM LEVEL
- INVERTERISED OVERFEEDER DRIVING
- REMOTE ASSISTANCE
- MACHINE LINKING TO COMPANY NETWORK
- POSSIBILITY TO PERSONALISE THE MACHINE, ACCORDING TO THE CUSTOMER REQUIREMENTS
- CONVERTIBLE MACHINE VERSION





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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