



R325 NF-B

Leaders in twisting technology since 1869

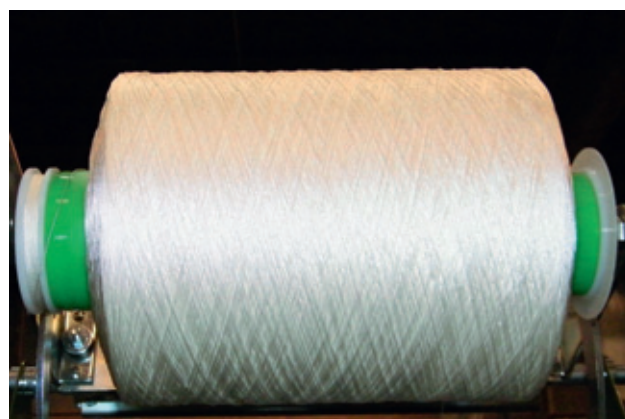
RATTI TWISTING MACHINERY
IN-BONDING SEWING THREAD



made in *Italy*

IN-BONDING SEWING THREAD

- Special twisting machine designed for the production of in-bonding sewing thread .
- The flanged bobbin coming from the first step of the sewing thread process (made onto Ratti machines model R325N-CU1 or R341-CU1) is used as supply packages onto this new machine. The plies are twisted together and, at the same time, the low melt yarn is positioned exactly in the middle of the plies.
- After the twisting process, the yarns pass through the special Ratti heater, for the melting phase.
- No more solvent based or water based bonds. Clean bonding process, no smell, no bonding agent spills or spray.
- Lower waste throughout all production steps, lower production costs.
- No need additional rewinding process, possibility to produce onto the twisting machine soft bobbins for direct dyeing process.
- Machine built according to the last CE standards for quality and safety.



MAIN FEATURES

SPINDLES SPEED, TAKE-UP SPEED,
OVERFEEDER SPEED CONTROLLED BY
FREQUENCY INVERTERS

PNEUMATIC THREADING OF THE YARN INSIDE
THE HEATER

SMOKE ASPIRATION SYSTEM

YARN CUTTER ONTO EACH POSITION

AUTOMATIC/PNEUMATIC LIFTING OF T
HE TAKE-UP BOBBIN IN CASE OF YARN
BREAKAGE

AUTOMATIC/PNEUMATIC SPINDLE
DISENGAGEMENT IN CASE OF YARN
BREAKAGE

OPTIONALS DEVICES

SPECIAL SENSOR TO CONTROL THE TWIST
LEVEL ONTO EACH SINGLE POSITION

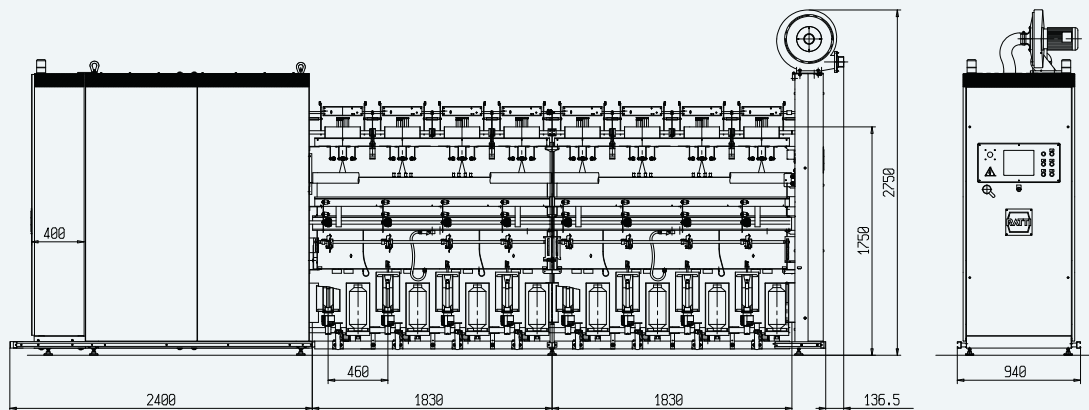
INDIVIDUAL TAPERING

TAKE-UP ON SOFT BOBBINS READY
FOR DYEING

REMOTE ASSISTANCE

MACHINE LINKING TO COMPANY NETWORK

POSSIBILITY TO PERSONALISE THE MACHINE,
ACCORDING TO THE CUSTOMER
REQUIREMENTS



Number of sections	1	2	3	4	5	6	7	8	9	10	11	12
Number of spindles	8	16	24	32	40	48	56	64	72	80	88	96
Machine length[mm]	4.496	6.326	8.156	9.986	11.816	13.646	15.476	17.306	19.136	20.966	22.796	24.626

TECHNICAL DATA

SPINDLES

Spindles per section	8	nr
Spindle type	Hollow-special version	
Spindle gauge	460	mm
Spindles speed	Inverter controlled	
Spindles drive	Tangential belt	
Max. dimension of operable flanged bobbins (flange, traverse, barrel) and maximum spindle speed	140x200x70 (1,5 Kg of yarn)- 7.000 rpm 165x250x80 (2,5 Kg of yarn) - 6.000 rpm 170x200x70 (3,0 Kg of yarn) - 6.000 rpm	mm- rpm
Twist range	Electronic control	TPM
Count range	From 150x3 up to 700x3	Denier

TAKE-UP

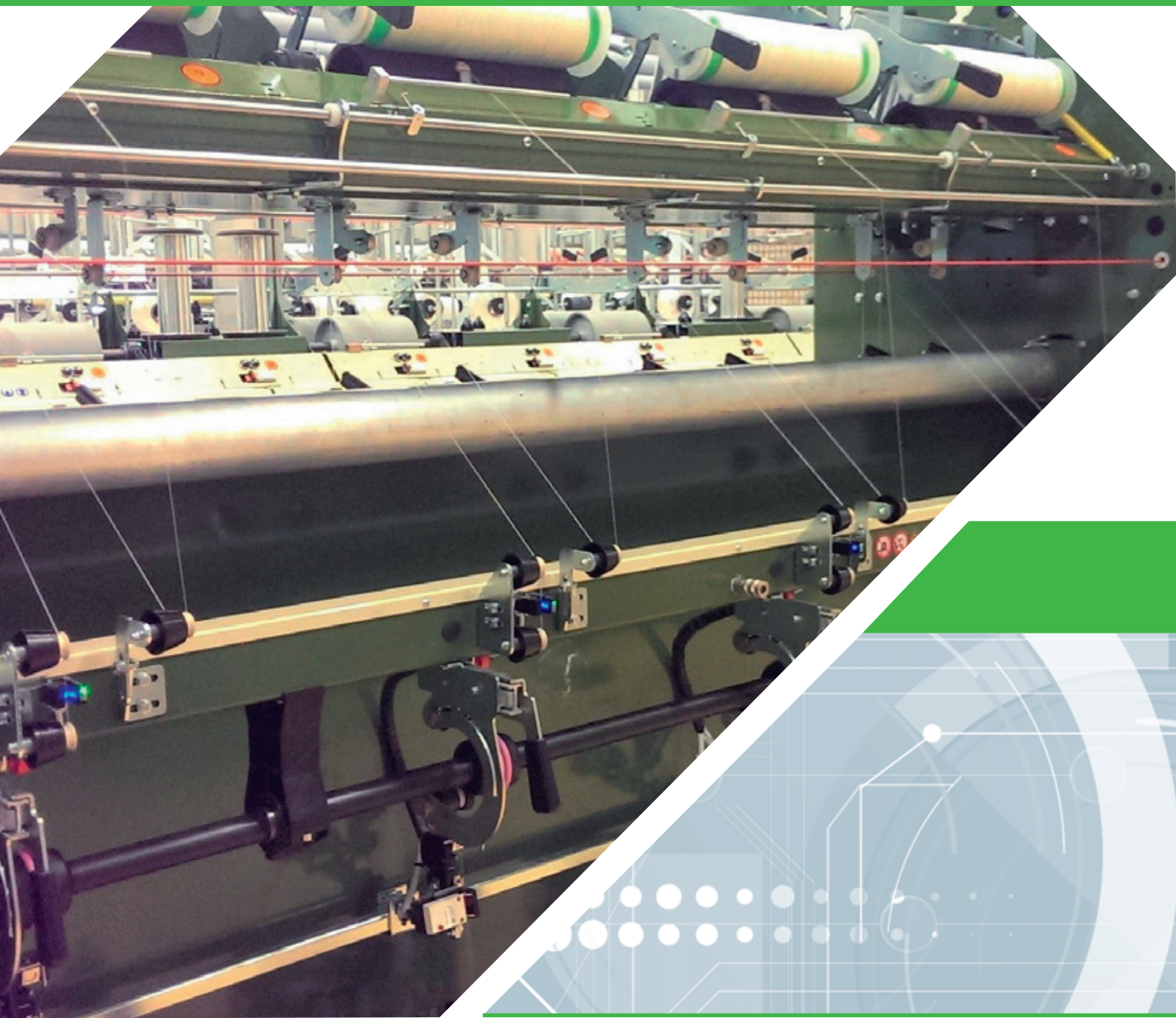
Take-up per sections	8	nr
Gear box	UDR-P	
Type of package	biconical bobbin	
Max diameter	250	mm
Tube dimension	56x230 69x290	mm
Max mechanical/technological take-up speed	100-80	m/min

HEATERS

Max. number of heaters	12	nr
Heater length	700 x 2	mm
Temperature range	50 °C - 250 °C	°C
Installed power per each heater	1,68	kW
Average consumption per each heater	1	kW

FRAME

Max. number of sections	12	nr
Section length	1.830	mm
Machine width	940	mm
Machine height overall	2.750	mm
Height at take-up	1.750	mm
Max. installed power	30 + 20,16 + 3 + 3	kW



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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