



R375N / R376N

Leaders in twisting technology since 1869

RATTI TWISTING MACHINERY  
FANCY YARN

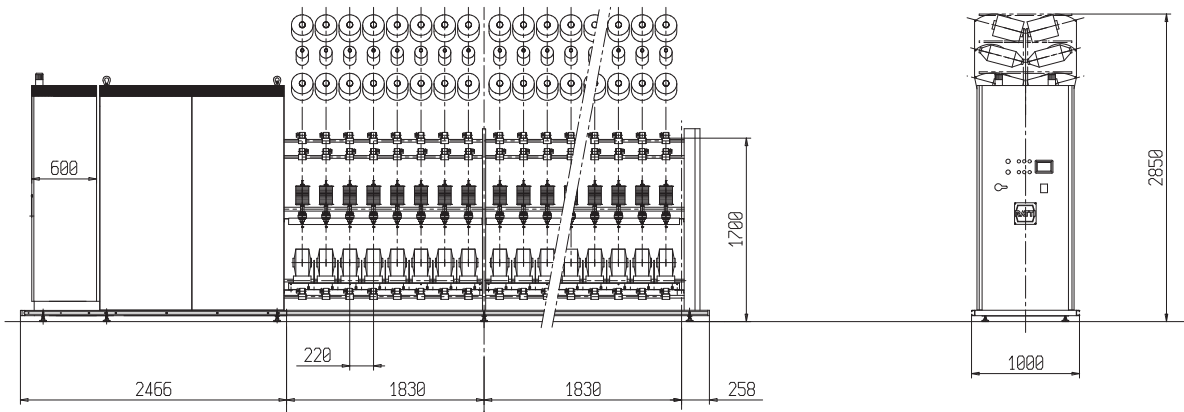


made in **Italy**

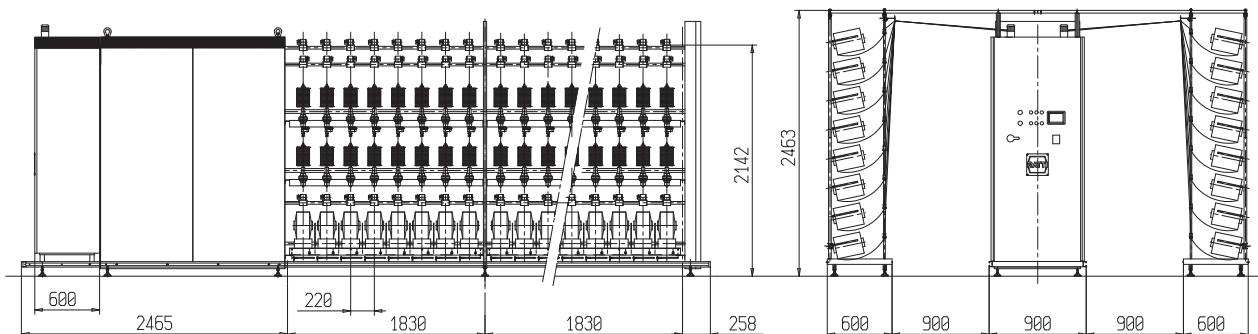
# FANCY YARN

- Fancy twisters, with hollow spindles, single or double binder, for the production of fancy yarns from artificial and synthetic continuous filament.
- Spun yarns from natural and synthetic fibres can also be used as effect ends, whilst the binder is always a synthetic, continuous filament.
- A wide range of fancy yarns can be processed.
- Hollow spindles running at 12.000 to 16.000 rpm, depending on the dimensions of the flanged bobbins and relevant yarn capacity.
- Fitting a special patented false twist multiplier allowing a 40% increase of the false twist applied to the yarn, so resulting bulkier and softer.
- Inverterised spindle driving motor and brushless motors on the core shaft, effect shafts, take-up shaft and overfeeder shaft.
- Computerised system monitoring and controlling the processing parameters and with memory for 150 recipes.
- Creels (upper creel for the single deck machine R375-N; side creel for the double deck machine R376-N) are duly equipped with individual tensioners and can be loaded with cops and and/or cheeses of 250 mm diameter.
- Traverse gear motion running in oil, incorporating pattern breaker.
- Hollowed spindles mounted onto oil lubricated swinging arm (spindle disengagement) with stop and adjustable spring load for uniform and constant pressure against the driving belt.
- Metal separators between the spindles.
- Spindle less cradles for take-up tubes with centering running on ball bearings.
- Braking system for anti-dampening of cradles at take-up speed up to 60 m/min.
- Possibility to choose between three different spindles gauge (220, 305 or 366mm), depending by the length of take-up tubes to use (170, 230 or 290mm).
- Machine built according to the last CE standards for quality and safety.

R375 N



R376 N



**R 375 N**  
**SINGLE DECK-SINGLE BINDER**

**R376N**  
**DOUBLE DECK-DOUBLE BINDER**

**SPINDLES**

Type	Hollowed spindle			Hollowed spindle			
	220	305	366	220	305	366	
Gauge	220	305	366	220	305	366	mm
Max. number of spindles/spindle per section	112/16	84/12	70/10	224/32	168/24	140/20	nr
Whorl	32			32			mm
Spindles drive	Tangential belt			Tangential belt			
Count range	4-60			4-60			Metric
Effect ends	2			2			nr
Core ends	1			1			nr
Binding ends	1			2			nr

**SUPPLY PACKAGE**

Effect yarn (filament or spun)	Any type	Any type	
Core yarn (filament or spun)	Any type	Any type	
Binding yarn	Flanged bobbin	Flanged bobbin	
Flanged bobbin max. dimension (Flange/barrel □ X barrel length)	116/36 x 165	116/36 x 165	mm
Flanged bobbin yarn capacity, approx	1.100 (PES flat)	1.100 (PES flat)	gr
Supply package on creel positions	3	6 (3 x 2)	nr

**TAKE-UP**

Take-up roller	Individual						
	1						
Number of decks	1						nr
Max. take-up number	112	84	70	112	84	70	nr
Take-up on Tubes tube Ø (l) X length	56x170	56x230	69x290	56x170	56x230	69x290	mm
Traverse length (initial)	150	200	250	150	200	250	mm
Package Ø max	250						mm
Take-up mechanical speed up to maximum	60						m/min
Gear box type (straight or tapered)	UD-R						

**MOTORS**

Drive motor power	11	kW
Brushless motor: 1 core shaft + 2 effect shaft +1 take-up shaft +1 overfeeder	4,8	N m

**FRAME**

Max number of sections	7	nr	
Section length	1.830	mm	
Machine max.length	15.534	mm	
Machine total width	900	3.900	mm
Creels section/height take-up	-	650 x 2 / 900 x 2	mm
Height overall	2.850	2.500	mm
Max. net weight, approx	5.800	7.800	kg

**OPTIONALS**

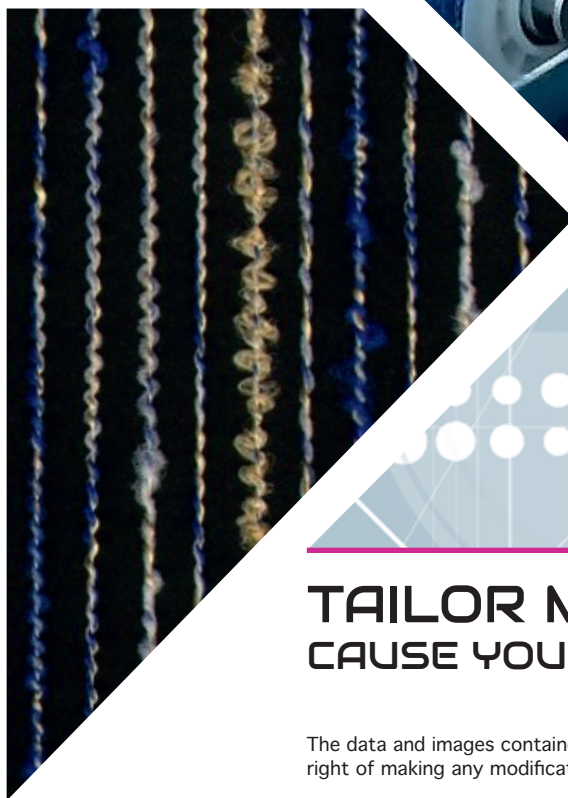
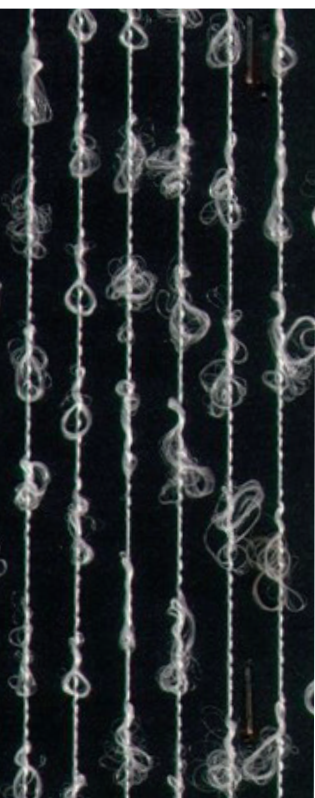
REMOTE ASSISTANCE

MACHINE LINKING TO COMPANY NETWORK

POSSIBILITY TO PERSONALISE THE MACHINE,  
ACCORDING TO THE CUSTOMER REQUIREMENTS







## 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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