



R641
R641 CU1 CU2

Leaders in twisting technology since 1869

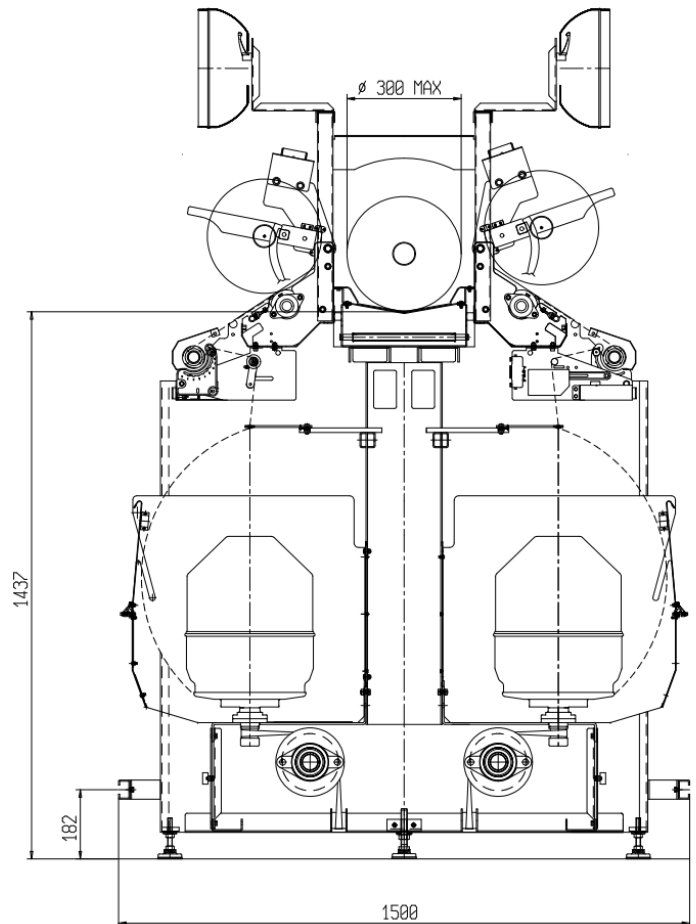
RATTI TWISTING MACHINERY
INDUSTRIAL YARNS

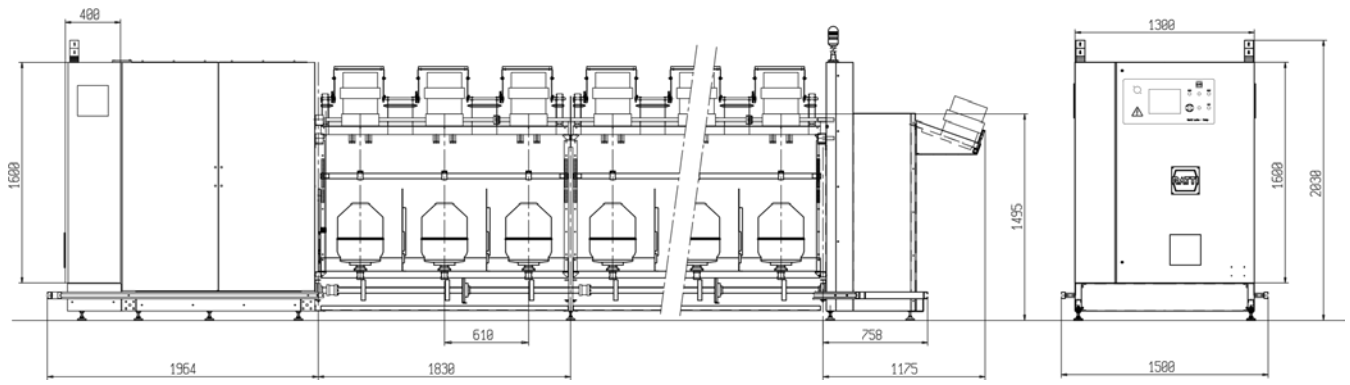


made in *Italy*

TWO-FOR-ONE TWISTING MACHINE FOR INDUSTRIAL YARNS

- Two-for-one twisting machine for the processing of industrial yarns and heavy counts.
- The R641 can be equipped with spindles model NT260, NT280 or NT280 pot 330.
- Machine equipped with new spindles driving system, by individual belt per each spindle.
- Machine equipped with a central belt conveyor to facilitate the unloading of the take-up package.
- Automatic/pneumatic spindle disengagement and take-up lifting in case of yarn breakage.
- Ballon area equipped with sturdy separators and swinging front door to facilitate the operations of loading of the supply package.
- Electronic twist setting.
- Inverterised overfeeder driving motor.
- Inverterised spindles driving motor.
- All moving parts are protected by adequate, easily removable covers for maintenance.
- Touch screen control panel for the monitoring of: spindles speed, take-up speed, yarn meter counter, working hours, "S" and "Z" twist.
- 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
Number of spindles	6	12	18	24	30	36	42	48	54	60
Machine length (mm)	4970	6800	8630	10.460	12.290	14.120	15.290	17.780	19.610	21.440

MACHINE MODEL R641 TECHNICAL DATA

SPINDLES			
Spindles type	NT 260	NT 280	NT 280 pot 330
Gauge	610		mm
Max. Number of spindles per section	6		
Max. Number of spindles	60		
Count range	235-12000		Dtex
Twist range	20-800		TPM
Spindles control	Single belt controlled		

SUPPLY PACKAGE	
Type of supply package	bobbin
Supply package max. diameter	300 mm

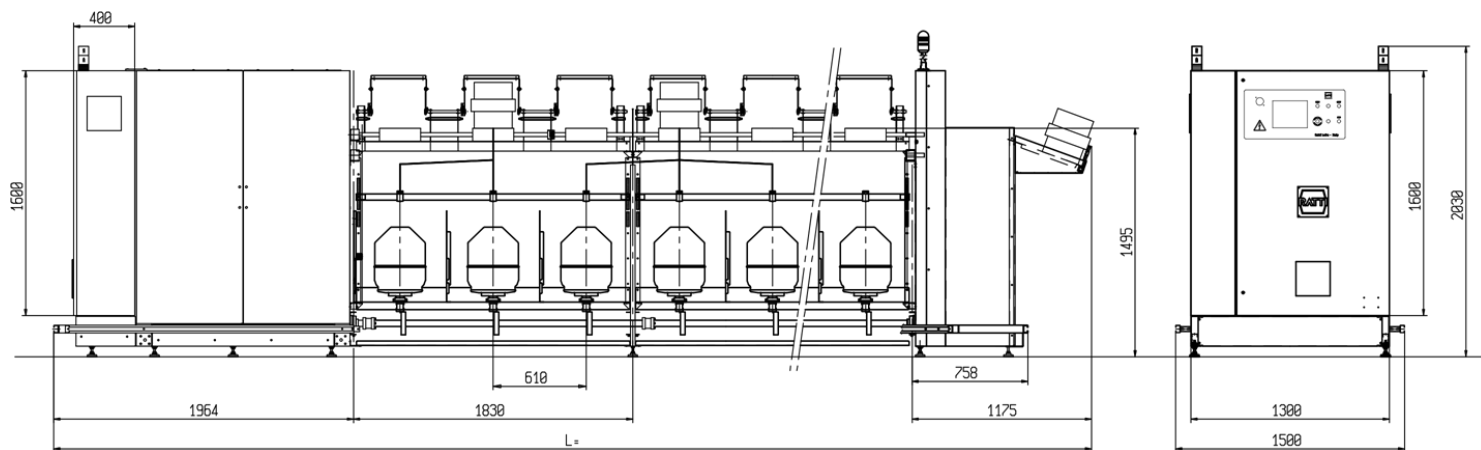
TAKE-UP		
Number of decks	1	
Traverse Gearbox	UD-R	
Maximum traverse	250	mm
Max. Mechanical speed	200	m/min
Max. technological speed	170	m/min

FRAME		
Max number of sections	10	
Section length	1830	mm
Machine width	1500	mm
Machine length	$1964 + (1830 \times \text{No of sections}) + 1176$	mm
Machine height	2150	mm
Height of take-up	1495	mm
Max. installed motor power	30 (15 per each machine side)	kW

MACHINE MODEL R641 CU1 CU2: TECHNICAL DATA

- The new machine model R 641 CU1 – CU2 is suitable for sewing thread (more plies) industrial yarn production, with counts from 235 dtex to 12,000 dtex.
- Machine has the two sides independently driven (side CU1 – side CU2).
- for each machine side there are n°1 spindle motor, n°1 motor for Take up, n°1 motor for overfeeders, n°1 Traverse gear box.
- From the Machine panel it's possible to set n°2 different working recipes for one per each side of the machine.
- With CU1-CU2 mode, machine can be supplied with a different number of spindles for each side. the CU1 machine side can be equipped with more spindles compared to CU2 side, according to customers production requirements.
- Onto the CU1 side, as take up can be used a tube or a flanged bobbin (depending by the yarn type/customer requirements).
- A selector switch allows to pre-set the sensors and cutters working scheme, according to the plies under processing (2, 3 or 4), while a centralized meter counter allows the formation of metered packages.
- The traverse gear box is mechanical and centralized for each side, with RATTI cam in oil bath.
- Machine can be equipped with model spindles: NT260, NT280 and NT280 with 330 pot (for supply packages with diameter upto 300 mm)
- Each position is equipped with ON/OFF selector to engage/disengage the spindle. In case of yarn breakage and take up will disengaged automatically.
- R 641 machine can be supplied in "CONVERTIBLE" version with the possibility to use it as standard TFO for a single yarn, and for CU1 –CU2 sewing thread yarn production.





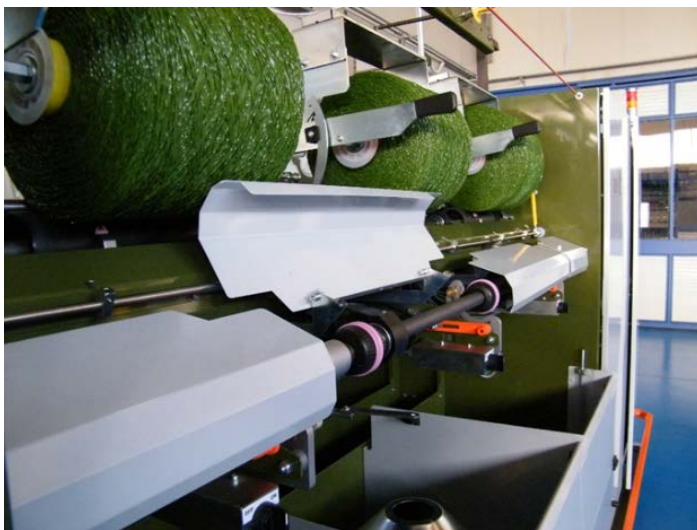
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Twist range	20-800		TPM
Spindles control	Single belt controlled		

TAKE-UP		
Number of decks	1	nr
Gearbox	UD	
Number of plies	2,3,4	nr
Take-up type	TUBE OR FLANGED BOBBIN	
Diameter max.	300	mm
Traverse	250	mm
Max. technological speed	50	m/min

FRAME		
Max. number of sections	10	nr
Section length	4970	mm
Max. machine length	21440	mm
Machine width	1500	mm
Machine height	2150	mm
Max. installed motor power	30	kW
Max. weight. approx	7000	Kg

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OPTIONALS

PNEUMATIC THREADING OF YARN INSIDE THE SPINDLE

MACHINE EQUIPPED WITH A CENTRAL BELT CONVEYOR TO FACILITATE THE TAKE-UP BOBBIN UNLOADING
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!**



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