

# TWISMASTER



## The master of twisting machine

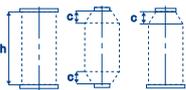
- Double sided Ring Twisting machine is manufactured by TWISTECHOLOGY, with materials that avoid friction to keep intact the quality and properties of the yarn. The machine can be extended in the future with more modules.
- Patented special system of transmission through timing belt and individual motor for every 4 spindles. This system assures maximum speed, no yarn slippage with big capacity bobbins, efficient operation and minimum maintenance.
- Maximum spindle speed: 7,500 rpm mechanical. Real production speed depends on the kind of yarn (material and count).
- Twist is guaranteed mechanically through the special system of transmission and electrically through a system of speed regulators. TWISTECHOLOGY guarantees their unique "Total Twist Quality". Patented special system
- Individual drive rollers per 4 spindles with a press roller with a "no-slippage" system. One motor drives 4 positions.
- Full control through micro-controller. All changes are made through the touch screen and keyboard. No need to change any mechanism or gearing.
- Individual (every 4 sp) meter counter to avoid waste and to increase efficiency. Automatic spindle-stop when the predefined production is reached. We provide exact number of meters in each bobbin.
- Patented cyclical winding system with 5 different bobbin shapes: double flange, conical, double conical and others, maximum bobbin height of 450 mm. Patented special system
- Rings by multi-capillarity, psm or other systems.
- Automatic stop of the machine when all spindles are stopped for more security and to save energy.
- You can define a range of twists between 8 and 500 turns/meter.
- Pressure pump can be programmed to lubricate the ring. The lubrication can be programmed in quantity, frequency and volume to adapt it perfectly to each kind of yarn. It is equipped with an individual manual valve for each spindle.



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# TECHNICAL FEATURES

TECHNICAL FEATURES	units	RING DIAMETER			
		120	140	160	180
Ring diameter	mm.	120	140	160	180
Gauge	mm.	225	225	225	225
Spindles per module	---	8x4	8x4	8x4	8x4
Max. Number spindles	---	320	320	320	320
Max. Mechanical spindle speed	rpm	7500	7500	7000	6500
	m/min	150			
Dimensions		Headstock length: 600mm, Length of each module: 1.800mm end module length: 200mm, Total length 1 module: 2.600mm Width: 1.681mm, Height: 2.135mm			

BOBBIN SHAPE	BOBBIN BUILDING
 <p><i>h, c: can be programmed</i></p>	

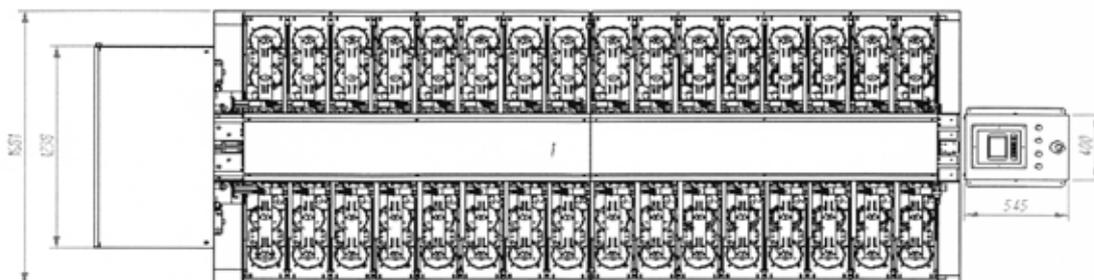
The technology used in this product is protected by appropriate international patents.

### OPTIONALS:

- TRAVERSE FEED: Increases front rollers lifetime due to slow transversal movement while feeding
- UNI-OIL: Dosing control ring oil
- TWISTPERFECT: Perfect mechanical and electrical twist (PATENTED SYSTEM)
- TWISTDATA: Remote control of production data through PC
- INTERNET CONNECTION: Service remote technical assistance

### ADDITIONAL COMPONENTS:

- CREEL: Special designs creels filé or roulé for all kind of bobbins according customer's requirements
- TRAVELLERS: All type of travellers available
- BOBBINS: All type of bobbins, tubes, spools and doublé flanged bobbins available
- RING OIL: Lubricating oils for rings and other components
- YARN BREAK DETECTORS: Different types of yarn break detectors available
- YARN TENSION CONTROL: Different types of yarn tension detectors available
- COVERING AND WRAPPING DEVICES: Special accessories for coating interior alms
- COPLIFTER: Special doffing device for textile spinning tubes



TWISTEchnology reserve the right to modify the dimensions and the technical details of the machine, without notice.