J C GROUP™

Rima Machines Pvt Ltd

No big words but a promise to work





- Sturdy Sheet Metal Frame structure most suitable for twisting heavy denier yarn for industrial application.
- Low Twist TFO gives smooth running at High Take Up and Spindle Speed.
- Can twist Nylon, Polyester and Poly Propylene yarn having denier as high as 10,000.
- Machine is designed to feed cheese of 300mm dia.
- Controlled & Uniform Package Density to produce 10 kgs knotless package.
- Separate AC drives for Spindle and Take-up Mechanism.
- Servo Drive for Traverse mechanism.
- All the Servo Drive and A C Drives are controlled & synchronized with the help of PLC.
- No need to change any Gears or Motor Pulleys for changing TPM or Spindle Speed. Thanks to the Touch Screen HMI provided to carry out all the settings precisely and instantly.
- Low man power and maintenance cost.
- Lower Power cost because of minimum frictional/mechanical losses.
- Electronic stop motion provided for the safety of machine and operators.

JC - 6 300S LT TFO

Technical Specifications

No. Of Spindles / M/cs.	:	40 – 4 – 136	40 – 4 – 120	30 – 2 – 94
Spindles per Section	:	4	4	2
No. Of Decks	:	Single	Single	Single
Spindle Pot Dia	:	300	300	300
Spindle Pitch	:	450mm	510mm	650mm
Feed Package		Cheese up to 300 mm in Length 290 mm Diameter	Cheese up to 300 mm in Length 290 mm Diameter	Cheese up to 300 mm in Length 290 mm Diameter
Feed Pkg. Yarn Content	:	Up to 12 Kg	Up to 12 Kg	Up to 12 Kg
Denier Range	:	500 – 10,000	500 – 10,000	500 – 10,000
Balloon Limiter	:	Provided	Optional	Optional
Spindle Drive	:	Tangential Belt	Tangential Belt	Tangential Belt
Max. Spindle Speed	:	8000 RPM	8000 RPM	8000 RPM
Twist Range	:	8 - 600 TPM	8 - 600 TPM	8 - 600 TPM
Type of Pkg./Taper	:	Cylindrical or Bi-Conical	Cylindrical or Bi-Conical	Cylindrical or Bi-Conical
Take up Pkg. Size	:	69 / 95 x 300 mm	69 / 95 x 300 mm	69 / 95 x 300 mm
Take up Pkg. Yarn Content	:	Up to 12 Kg	Up to 12 Kg	Up to 12 Kg
Max. Take up Speed	:	150 MPM	150 MPM	150 MPM
Yarn Break Sensor	:	Provided	Provided	Provided
Foot Brake on Individual Spindle	:	Provided	Provided	Provided
Control Panel	:	**Electronic with A C Drives, Servo Drive, PLC, HMI etc.**		
Spindle Drive	:	**2 Separate Motors at Both Ends of the Machine with A C Drive**		
Take-up Drive	:	**2 Separate Motors with A C Drive for 2 Sides of the Machine**		
Traverse	:	**Servo Motor with its Drive**		
Parameters Setting / Display	:	**Through HMI (No need to change gears/pulleys for changing the Spindle Speed, TPM or Crossing Angle)**		
Connected Load	:	19.5 KW to 45 KW	19.5 KW to 45 KW	12 KW to 37 KW
Machine Dimensions				
Length	:	38'4" – 3' – 110' (11680mm - 910mm - 33520mm)	38'4" – 3' – 109'10" (12880mm - 1030mm - 33480mm)	41' – 2'2" –110'3" (12480mm - 660mm - 33600mm)
Width	:	4' (1200mm)	4' (1200mm)	4' (1200mm)
Height	:	5'11" (1800mm)	5'11" (1800mm)	5'11" (1800mm)

Product Range :

- TFO Twister for Cotton, Spun & Blended Yarn having pot dia 110 / 120 / 130 / 140 / 150 / 170 mm
- TFO Twister for Cotton, Spun and Filament Industrial Yarn having pot dia 180 / 200 / 260 /300 mm
- Cable Corder for making Tyre Cord, Industrial or Carpet Threads
- Elastic / Latex / Spandex Yarn Single as well as Double Covering Machines
- Elastic Yarn Warping Machine
- Lycra Warping for Warp Knitting
- Rubber Thread Spool Winder
- Yarn Warping for Narrow Fabric
- Hank to Bobbin winder for Real Silk
- Primary / Secondary TFOs for making Embroidery, Sewing, Fishnet and Industrial Threads
- High Bulk Yarn Machine
- High Take-up, Low Twist TFO having Delivery Speed up to 250 MPM
- 70 / 80 / 90 / 110 / 120 / 130 / 150 mm Pot TFO Twister for Filament, Pure Silk and Viscose Yarn
- 'S' & 'Z' Covering Machine
- Various Types of Cop Winders
- 2 / 3 / 4 ply Assembly Winder for Spun Yarn having Individual Motor / Drum
- 2 / 3 / 4 ply Assembly Winder for Real Silk
- Hank to Bobbin winder for Real Silk
- 4 to 24 ply Assembly Winder with External Creel having Individual Motor/Drum

THE INFORMATION SUPPLIED IN THE BROCHURE IS FOR GUIDANCE ONLY.
WE RESERVE OUR RIGHT TO MODIFY THESE AT ANY TIME.

J.C GROUP™

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