



Rima Machines Pvt Ltd

No big words but a promise to work



Salient Features

- 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 :

- Lycra Warping for Warp Knitting
- Rubber / Lycra Covering Machines
- Lycra / Elastic Yarn Warping Machine
- 90 / 110 / 120 / 130 / 140 / 150 / 165 /
175 / 200 / 261mm Pot dia Spun TFO
- Twister for Cotton, Spun & Blended Yarn
- Spun TFO Eco : 90 / 110 , 110 / 110 & 110 / 120mm
- Embroidery / Sewing Thread TFO Twisting Machine
- Festooning Machine
- High Bulk Yarn Machine
- High Take up TFO - 250 MPM
- High Take up TFO - 100 MPM
- Yarn Warping for Narrow Fabric
- 60 / 70 / 80 / 90 / 110 / 120 / 130 /
150 mm Pot dia TFO Twister For
Filament, Pure Silk and Viscose Yarn
- 'S' & 'Z' Covering Machine
- Rubber Thread Spool Winder
- Various Types of Cop Winders
- 2/3/4 ply Assembly Winder for
Spun Yarn with individual motor
- Yarn Splitter Winder for Mono Yarn
- Hank to Bobbin Winder for Real Silk



Rima Machines Pvt Ltd

Plot No C-21/16, Road No16, Hojiwala Industrial Estate, Sachin-Palsana Road, Surat, India - 394230
Call : 0261-2632247 Web : www.jcmachine.com Email : rima@tftotwister.com / info@jcmachine.com