

TPRS-19

TWINE TWISTER

2/3 Ply Twine Twister | Denier Range 210/2 - 600/3
Polyester, Nylon, Polypropylene

TPRS-19

Bag Closing Threads
Stitching Threads
Fishing Twines

TPRS-19
S/Z
**ONE
STEP**
40% Savings



What is TPRS ?

TPRS Technology pioneered by MEERA (Patent Pending) is a One Step Twine Twister / Ply and Cable Twister (S/Z) for making any type of Stitch Thread, Industrial Thread, Sewing Thread for Multifilament, Staple, and Tape Yarns. Traditionally Manufacturing Twine normally takes 3 steps but now it is possible to produced in just One Step. TPRS Twister produces large-size knot less packages. High on productivity TPRS Technology also offers the best quality for smooth working on sewing machines.



20 MM Take-up Tube suitable for fishing net



Saving upto 40%

TPRS Technology is Twisting Plying and Reverse Twisting System.

TPRS-19 has just one motor for both Ply and Cable (S /Z) twist. This gives a major power saving advantage. Moreover, Due to one Step process there is an overall saving of 40% in power, manpower, space wastages etc.

Driving, HMI, Power Failures

TPRS-19 Spindles, Traverse and Drum are driven by a single motor and mechanical gear box. Spindles are driven through tangential belt. Speed is controlled through inverter with HMI. There is an easy way of changing TPM and package buildup (Conical/ Parallel) mechanically. In case of Power failures machine stop synchronized.

High Productivity high Quality, Knot less Package

TPRS-19 is a high output machine designed to run at 6000 RPM (12000 revolution) with maximum MPM up to 70. Input weight of each ply is up to 1 KG which can give knot less package of 3 KG. Since S & Z twist are given in a single path, there is no screwing effect on the yarn, making it a high quality high performance stitching yarns.

Applications of TPRS-19

TPRS-19 is a best twine twister for variety of application like fishing Twines, Bag Closing Threads, Embroidery Threads, Stitching Threads, Industrial Threads etc. Any Multifilament yarns like Polyester, Nylon, Polypropylene is suitable to work on TPRS-19 Staple, Tape, Monofilament yarns are not suitable to work on this model.

Ergonomics

TPRS-19, One Step Twine Twister is designed, keeping in mind operators comfort. It is a Single Deck machine having Take up Bobbin height at just 1.5 meter Making the tube change easily accessible. Having overhead creel helps in managing the empty and finished tube quite easily.



Highlights

- TPRS - Twisting Plying & Reverse Twisting Technology
- Suitable for Multifilament Polyester, PP, Nylon Yarn
- Saving up 40% in Energy, Manpower and Wastage
- Touch Panel HMI Display with graphical user interface
- High safety standards and CE certification
- Integrated engineering for longer lifetime
- Simple maintenance



Fishing Twine

- 210 / 2
- 210 / 3
- 210 / 2 X 2
- 210 / 2 X 3
- 210 / 3 X 3

Stitching Threads

- 300 / 2
- 300 / 3
- 500 / 2
- 500 / 3
- 600 / 2
- 600/3

TPRS-19 Technical Data.

Measurement

Frame	Double
No of Positions	120
Per Section	10
No of Section	12
Section Pitch (MM)	1830
Gauge (MM)	360
Machine Dim (Ft) LxWxH	77.2 x 2.7 x 5.8
Machine Dim (Mtr) LxWxH	23.6 x 0.8 x 1.8
Pot Size (MM)	100
Denier Range	300-1200
Speed	6000
Connected Load	15
Machine Length	24 Meter
Twist Range (TPM)	150-1500
Voltage	Country Specific

Input / Feed Package / Spindle

Feed Package (MM)	32x36x320
Feed Package Type	Cops
Feed Package Max Dia (MM)	100
Feed Package Wt	1 Kg

Takeup Package

Takeup Package (MM)	22x57x230
Takeup Package Type	Paper Tube
Takeup Package Max Dia	250 MM
Takeup Wt Knot Less (Gms)	3.0 Kg
Winding Traverse	200
Ply Sensor / Cutter	Yes

Spindle Driving

Take-Up Drive	Common
Traverse Drive	Tangential
Drive System	Fully Inverter Controlled

3 kg Knot Less Package

Dimensions

Position	Width	Height	Position	80	90	100	110	120
Length(MM)	800	1750	Length	16190	18020	19850	21680	23510