

AN ISO 9001 : 2008 CERTIFIED COMPANY



EMB 70 - 110

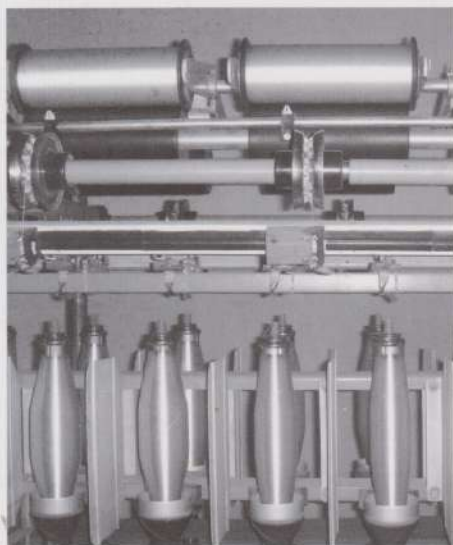
**Embroidery Thread**

Two For One Twister

**(2 Ply - 3 Ply)**

## TECHNICAL SPECIFICATIONS

STRUCTURAL DATA	PRIMARY	SECONDARY
Pot dia	60 / 70 mm	90 / 110 / 120 mm
Type	Double deck on both sides	Double deck on both sides
MECHANICAL DATA		
Maximum Spindle Speed (Mechanical)	10000 rpm	10000 rpm
Twist range	150 to 4000 TPM	150 to 4000 TPM
Twist direction	S / Z (Changeable)	S / Z (Changeable)
TRAVERSE		
Traverse Length	200 mm	160 to 200 mm Adjustable
SUPPLY		
Supply Package	Aluminum Cops ID 32 X OD 36 X 240 to 320mm Length	Flange Bobbin
Supply Package Weight	Up to 800 gm / 1 kg	Up to 2 kg
Tension device	Ball Type	Ball Type
TAKE-UP		
Take-up Package Weight	Up to 2 kg	Up to 2 kg
Take-up Package	Flange Bobbin	Paper / Plastic Tube
Power	415 $\pm$ 5 %, 50 Hz	



### Spindle speed

With state-of-the art design and optimization of the balloon along with the high quality of spindles permit high processing speeds.

### Feed weight

Increased production due to the higher weight of the feeding package.

### Fishnet Yarns

Fishnet yarns like 210/2 (Nylon).

### Flexibility

For various denier size like 100, 120, 150, 210, 250, 300, 600.

Bright, viscose, PV - 2 Ply & 3 Ply.

### State of the art design

The state of the art design of the machine consumes less power and gives high production.

### Reliability

High quality spindles-bolsters makes less noise and less power consumption with the minimum maintenance.

Electronic sensors with cutters in the primary setup prevents single yarn winding in the 2-ply & 3-ply process.

Reduced floor area with more spindles gives high productivity.





## MACHINE DIMENSIONS

NO. OF SPINDLES		LENGTH (ft)	MOTOR (hp)
PRIMARY	SECONDARY		
168	84	52	4.0 x 2
192	96	58	4.0 x 2
216	108	64	5.0 x 2
240	120	70	7.5 x 2
264	132	76	7.5 x 2
288	144	82	10 x 2
312	156	88	10 x 2

### PRIMARY

NO. OF SECTIONS	NO. OF SPINDLES	LENGTH (ft)	MOTOR (hp)
5	240	40	3.0 x 2
6	288	46	3.0 x 2
7	336	52	4.0 x 2
8	384	58	4.0 x 2
9	432	64	5.0 x 2
10	480	70	7.5 x 2

### SECONDARY

NO. OF SECTIONS	NO. OF SPINDLES	LENGTH (ft)	MOTOR (hp)
5	120	40	3.0 x 2
6	144	46	3.0 x 2
7	168	52	4.0 x 2
8	192	58	4.0 x 2
9	216	64	5.0 x 2
10	240	70	7.5 x 2

NO. OF SPINDLES		LENGTH (ft)	MOTOR (hp)
PRIMARY	SECONDARY		
160	80	53	4.0 x 2
176	88	58	4.0 x 2
192	96	63	5.0 x 2
208	104	68	5.0 x 2
224	112	73	7.5 x 2
240	120	78	7.5 x 2

### PRIMARY

NO. OF SECTIONS	NO. OF SPINDLES	LENGTH (ft)	MOTOR (hp)
10	320	53	4.0 x 2
11	352	58	4.0 x 2
12	384	63	5.0 x 2
13	416	68	5.0 x 2
14	448	73	7.5 x 2
15	480	78	7.5 x 2

### SECONDARY

NO. OF SECTIONS	NO. OF SPINDLES	LENGTH (ft)	MOTOR (hp)
10	160	53	4.0 x 2
11	176	58	4.0 x 2
12	192	63	5.0 x 2
13	208	68	5.0 x 2
14	224	73	7.5 x 2
15	240	78	7.5 x 2

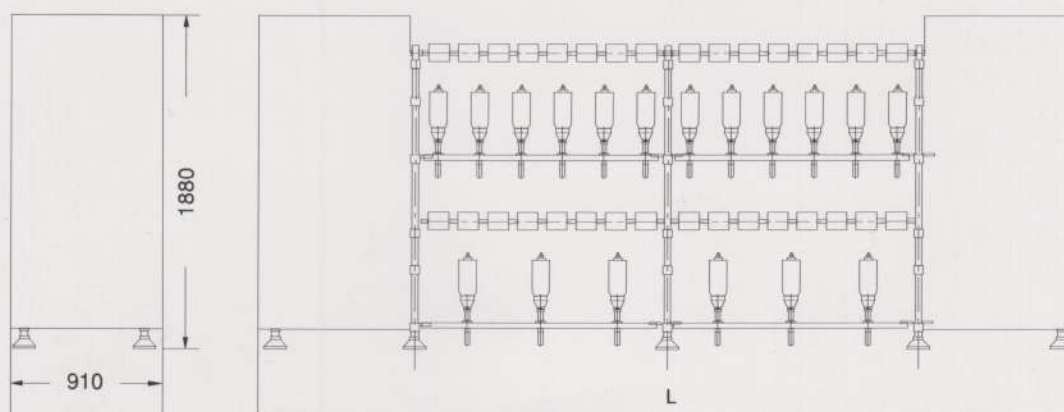
## Main Features

- Up to 2 kg knotless take up package
- High quality for fine deniers and high twist yarns
- High productivity and efficiency
- Low power consumption and maintenance
- Dynamically balanced spindle with high grade hardened steel
- Overfeed roller with stainless steel and ceramic guide
- Gearbox in oil bath
- Slow start by Star - Delta panel with rpm, tpm, yarn display, ammeter and S&Z Switch
- Parallel and Bi- conical take up (Roll and Papertube)
- 200 to 4000 tpm twist range

Removal of the reasons that generate noise:

- Composite structure (cast iron - steel)
- High quality spindle-bolster design
- Accurate spindle balancing
- Balloon limiting shape
- Accurate tolerances in manufacturing parts
- Balancing of the rotating elements

## OVER ALL DIMENSIONS AND INSTALLATION DIAGRAM



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\*Technical specifications are subject to change without specific prior notice due to continuous development