



MEERA

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Save Energy

Increase Profit

Help the Nation



Principle Works, Quality Speaks.

Industry overview

Meera Industries, an ISO 9001 company has shaped itself with the changing era in the competitive world of textile twisting technology & machineries. It is a leading company offering world-class products to national as well as international markets.

Having deep & rich experience of manufacturing TFO twisting yarns to more of user-friendly innovative textile products, each year we work hard to put together our core values, ethics & principles with a strategic plan; setting overall objectives to meet & achieve the unique challenges.

Our greatest asset is our people. Having highly dedicated & committed team with their vast & rich experience, we strengthen our manufacturing & production process.

Our constant quest for innovation through research is not limited; we design, develop & manufacture high-tech textile machinery offering intelligent solutions, operational reliability, quality & economic efficiency. With the synergy of creativity, we took a leap forward integrating science & technology as our core strength.

We have established a strong foothold in international textile segment by exporting our machines worldwide. Our vast experience & in-depth knowledge have enabled us to reach the pinnacle of success with overseas presence in more than 18 countries in continents of USA, South Africa, Europe, Africa & Asia.

We have bagged many R&D, export awards & accreditations for all our efforts in developing breakthrough technologies; delivering superior quality & environment friendly textile machinery, hence contributing to energy saving & process optimization.

Our successful innovations

- TPRS Twisting Machine
- Heavy Duty Twister / Cabling Machine
- Continuous Bulking & Heat Setting Machines for Carpet & Bath Mat Yarn
- Double Deck Spun TFO
- Economical TFO for Weaving Industry

Product range

- ▶ Two for One Twister
 - for Filament Yarn
 - for Spun Yarn
 - for Embroidery Thread
 - for Carpet Yarn
 - for Tyre Cord
- ▶ Servo Controlled Cop Winder
- ▶ Cone / Assembly Winder
- ▶ Covering Machine
- ▶ Ring Twister
- ▶ **TPRS** Twister Machine
- ▶ Heavy Duty Twister / Cabler Machine
- ▶ Continuous Bulking & Heat Setting Machine **MEERA 3111**

In -House R&D Center

Recognized by:

- Department of Scientific and Industrial Research (DSIR)
- Government of India Ministry of Science and Technology



Various Appreciation:

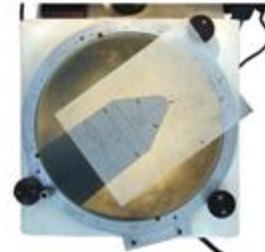
- Research & Development Award
- Research & Development (Innovation) Award
- Special Export Award
- Bhartiya Udyog Ratan Award
- Indian Leadership Award for Industrial development



EXPORTS TO :



Highest quality analyzing systems are implemented in every stage of production & processing. Support of CNC Punching & Bending Line, CNC Machining Centres, injection molding machines & Systemized Assembly line helps us to create an appropriate working atmosphere to produce the world class machine, in order to meet quality demands of every customer.



Two for One Twister Spun Yarn



Technical Specifications

	NEW S-120	S-130	S-140	S-165	S-260
NO. OF SPINDLES	208	208	182	182	104
NO. OF SPINDLES / SECTION	16	16	14	14	8
SPINDLE GAUGE IN mm.	225	225	260	260	525
POT DIA. IN mm.	120	130	140	165	210
COUNTER RANGE	2/20 to 2/100	2/16 to 2/100	2/10 to 2/100	2/10 to 2/100	2/2 to 2/20
TWIST RANGE TPI	7 to 70	7 to 70	7 to 70	2.5 to 50	0.5 to 25
MAX. SPINDLE SPEED (MECH.) RPM	14000	14000	13000	12000	6000
EFFECTIVE TWIST INSERTION	28000	28000	26000	24000	14000
SPINDLE DRIVE	Com. Tangential Belt	Com. Tangential Belt	Com. Tangential Belt	Com. Tangential Belt	Individual Motor / Com. Tangential Belt
STOP MOTION	Mechanical	Mechanical	Mechanical	Mechanical	Mech./Elect.
WIDTH OF THE MACHINE mm.	800	800	800	800	1050
CONNECTED LOAD kw	15	15	18	20	37

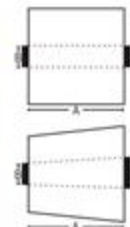
Feed Package

	S-120	S-130	S-140	S-165	S-260
CONE / CHEESE LENGTH mm.	172	172	172	172	290
MAX. OUTSIDE DIA. mm. (C)	115	125	130	155	250
MIN. INSIDE DIA. mm. (B)	33	33	33	42	42
WEIGHT GRAMS	650	750	900	1100	5000
CONICITY	3°30' / 4°20' or cheese	3°30' / 4°20' or cheese	3°30' / 4°20' or cheese	3°30' / 4°20' or cheese	3°30' / 4°20' or cheese



Take-Up Package

	S-120	S-130	S-140	S-165	S-260
TRAVERSE mm. (A)	152	152	152	152	254
CONE / CHEESE LENGTH mm.	172	172	172	172	290
MAX. DIA. mm. (C)	250	250	250	300	400
WEIGHT (MAX) kgs.	2.5	2.5	2.5	3	5
CONICITY	3°30' / 4°20' / 5°57' or cheese	3°30' / 4°20' / 5°57' or cheese	3°30' / 4°20' / 5°57' or cheese	3°30' / 4°20' / 5°57' or cheese	3°30' / 4°20' / 5°57' or cheese



Two for One Twister (Double Deck) Spun Yarn



- ▶ Pioneer of innovative idea of Double Deck concept in Spun Yarn
- ▶ Lowest power consumption per kg. of yarn



Technical Specifications

	S-120-D	S-110-D
MAX. NO. OF SPINDLES	416	416
NO. OF SPINDLES / SECTION	32	32
SPINDLE GAUGE IN mm.	225	225
POT DIA. IN mm.	120	110
COUNTER RANGE	2 / 20 to 2 / 100	2 / 20 to 2 / 100
TWIST RANGE TPI	2.5 to 70	2.5 to 70
MAX. SPINDLE SPEED	14000 RPM	14000 RPM
EFFECTIVE TWIST INSERTION	28000	28000
SPINDLE DRIVE	Tangential Belt	Tangential Belt
STOP MOTION	Mechanical	Mechanical
WIDTH OF THE MACHINE mm.	800	800

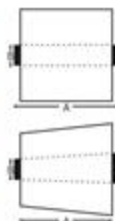
Feed Package

	S-120-D	S-110-D
CONE / CHEESE LENGTH mm. (A)	172	172
MIN. INSIDE DIA. (B)	33	33
MAX. OUTSIDE DIA.	115	105
WEIGHT GRAMS	650	600



Take Up Package

	S-120-D	S-110-D
TRAVERSE mm.	152	152
CONE / CHEESE LENGTH mm.	172	172
MAX. DIA. mm.	230	230
WEIGHT (MAX)	3 kg.	3 kg.
CONICITY	3°30' / 4°20' / 5°57' or cheese	3°30' / 4°20' / 5°57' or cheese

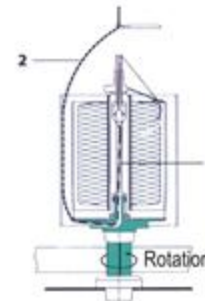


NO. OF SECTIONS	10	11	12	13	
NO. OF SPINDLES	320	352	384	416	Height
LENGTH-METER	20.15	21.98	23.81	25.64	2.1
LENGTH-FEET	66'2"	72'2"	78'2"	84'2"	6'10"

Application

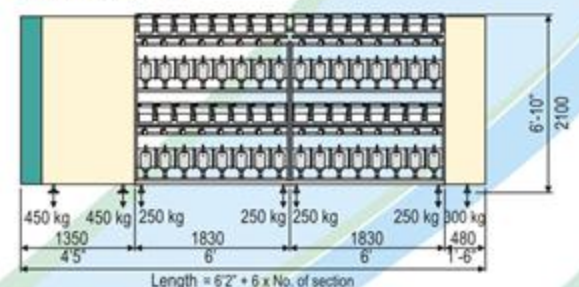
- ▶ 2 or 3 Ply PV, PES, Cotton, Woolen or any Spun Yarn
- ▶ Any combination of spun & filament yarn

Features



- New concept to save the space requirement and energy saving by means of small spindle diameters.
- Structure of very low noise level.
- Various models as per the need of different twist levels & energy saving concepts.
- Completely enclosed structure to avoid fluff contamination.
- Individual spindle braking.
- Low set up type due to modular design & machine.
- Automatic yarn stop & cradle lifting on yarn breakage.

Dimensions



Cone to Cone Winder



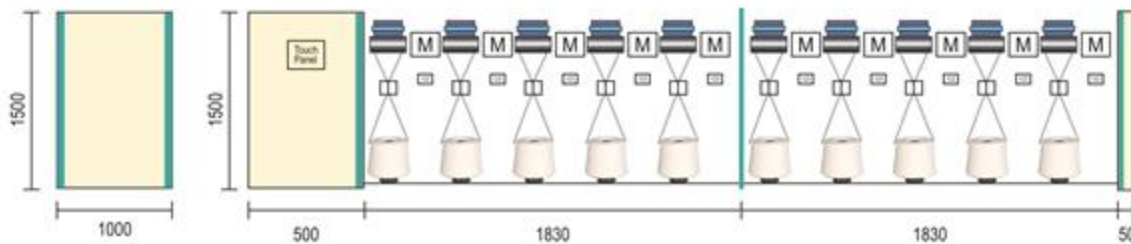
Technical Specifications

FRAME	Single Deck both side
SECTION LENGTH	1830 mm. for 5 head having drum gauge of 360 mm.
SUPPLY PACKAGE	Cheese or Cone up to diameter 250 mm.
TAKE UP PACKAGE	0° to 5° 57' Cone or Cheese of length 172 mm. & maximum diameter of 250 mm.
YARN SPEED	300 to 800 meters per min.
DRUM MOTOR	90 watt per drum
TENSION DEVICE	Motor driven spring loaded washer tension devise
PARAMETER SETTING	Count, Yarn type, Yarn speed, Preset length of yarn
CONTROL DEVICE	Centralized PLC control with inverter drive for each section
TRAVERSE TYPE	Anodized aluminum grooved drum.
LENGTH CONTROL	Individual display on each drum in meter
YARN BREAK DETECTOR	Optical sensor with heavy duty cutter.

Options

- ▶ 6" or 8" or 10" Traverse
- ▶ Lubricating device
- ▶ Electronic yarn clearer
- ▶ Splicer
- ▶ Overhead traveling cleaner
- ▶ Overfeeder for soft winding

Dimensions



Assembly Winder



Features

- Individual motor driver drum avoid mechanical maintenance
- Double the production rate compared to common shaft driver winder
- Half the power & space saving upto 40%

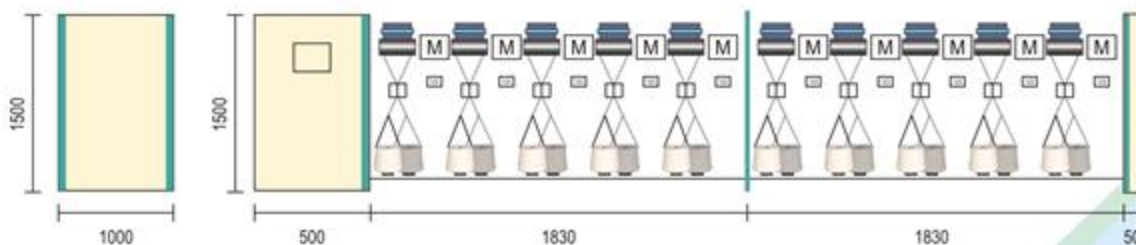
Options

- ▶ Winding creel up to 18 Ply.
- ▶ 8" or 10" traverse
- ▶ Overhead traveling cleaner

Technical Specifications

	AW-150	AW-200	AW-250
FRAME	Single Deck both side	Single Deck both side	Single Deck both side
SECTION LENGTH	1830 mm to 5 head having drum gauge of 360 mm	1830 mm to 3 head having drum gauge of 600 mm	1830 mm to 3 head having drum gauge of 600 mm
YARN TYPE	Polyester, Cotton, Woollen or any Blended yarn.	Polyester, Cotton, Woollen or any Blended yarn.	Polyester, Cotton, Woollen or any Blended yarn.
SUPPLY PACKAGE	Two ends of Cheese or Cone up to dia. 250 mm.	Two ends of Cheese or Cone up to dia. 250 mm.	Two ends of Cheese or Cone up to dia. 250 mm.
TAKE UP PACKAGE	63 x 172 max dia 250	57 x 230 max dia 250	57 x 290 max dia 250
YARN SPEED	300-750 meters per min	300-600 meters per min	300-500 meters per min
DRUM MOTOR	90 watt per drum	250 watt per drum	250 watt per drum
TENSION DEVICE	washer tensioner	washer tensioner	washer tensioner
PARAMETER SETTING	Count, Yarn type, Yarn speed, Preset length of yarn.	Count, Yarn type, Yarn speed, Preset length of yarn.	Count, Yarn type, Yarn speed, Preset length of yarn.
CONTROL DEVICE	Inverter control	Inverter control	Inverter control
TRAVERSE TYPE	Anodized aluminum grooved drum.	Anodized aluminum grooved drum.	Anodized aluminum grooved drum.
LENGTH CONTROL	Individual display on each drum in metre	Individual display on each drum in metre	Individual display on each drum in metre
PLY SENSOR	2 or 3 ply / optional up to 18 ply	2 or 3 ply / optional up to 18 ply	2 or 3 ply / optional up to 18 ply

Dimensions



Two for One Twister Filament Yarn



Lowest power consumption
per kg. of yarn

Technical Specifications

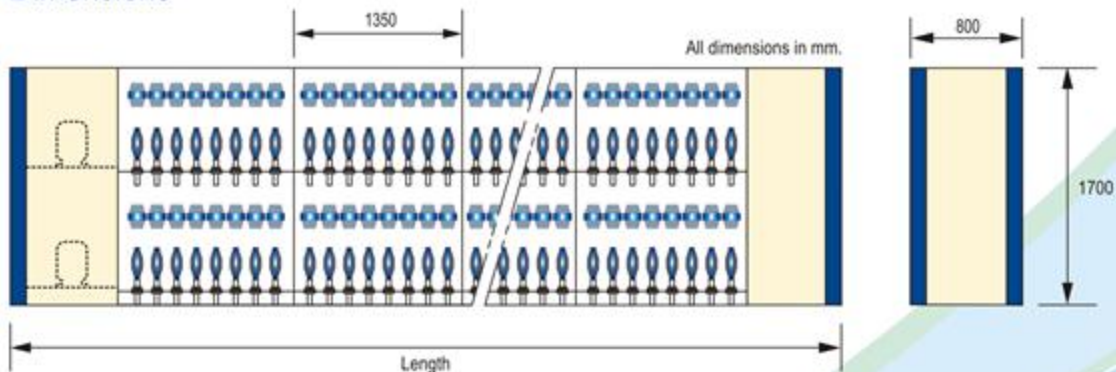
MODEL	70 A	70 B	90 B	90 L
FRAME	Double deck both the side	Double deck both the side	Double deck both the side	Paper tube
SPINDLE	70	70	90	90
TAKE UP	Flanged cylinder	Flanged cylinder	Dual - cylinder and paper tube	Double deck both the side
MAX. YARN SPEED	40	40	70	100
SPINDLE SPEED	8000-14000	8000-16000	8000-16000	8000-16000
SPINDLE PITCH	160	200	220	220
SUPPLY COP SIZE	36 x 240-270	36 / 42 x 240-290	42 x 240-320	42 x 240-320
FLANGED BOBBIN	Dia 135 x aa 2 mm. traverse	Dia 150 x 165 mm. traverse	Dia 150 x 165 mm. traverse	n/a
PAPER TUBE	n/a	n/a	168-175 mm. long	168-175 mm. long
TAKE UP CAPACITY	600 gms. (knotless)	900 gms. (knotless)	1200 gms. (knotless)	1200 gms. (knotless)
MAXIMUM CAPACITY	600 gms.	900 gms.	1400 gms.	1800 gms.
DENIER RANGE	30-300 denier	30-300 denier	30-300 denier	30-300 denier
TWIST RANGE	500 to 3500 tpm	500 to 3500 tpm	3500 tpm	3500 tpm
TRAVERSE LENGTH	112 mm.	165 mm.	165 mm.	155 mm.
MOTOR PULLEY	Any three set	Any three set	Any three set	Any three set
TENSION DEVICE	Ball tension device at five place	Ball tension device at five place	Ball tension device at five place	Ball tension device at five place
FEED ROLLER	loose ceramic teeth with stainless steel plates	loose ceramic teeth with stainless steel plates	loose ceramic teeth with stainless steel plates	loose ceramic teeth with stainless steel plates
PACKAGE FORM	Open cam for traversing	Open cam for traversing	Centralize / individual taper	Individual taper
TAKE UP CRADLE	Spindle less cradle type with ball / ball-bearing	Spindle less cradle type with ball / ball-bearing	Spindle less cradle type with ball / ball-bearing	Spindle less cradle type with damping attachment
ATTACHMENT	Display for RPM,TPM, MPM, drop wire at yarn break and anti patterning	Display for RPM,TPM, MPM, drop wire at yarn break and anti patterning	Display for RPM,TPM, MPM, drop wire at yarn break and anti patterning	Display for RPM,TPM, MPM, drop wire at yarn break and anti patterning
NO. OF SPINDLES PER SET	32	28	24	24
MAX. NO. OF SECTION	16	15	15	13
MAX. NO. OF SPINDLE	512	420	360	312
SECTION LENGTH	1350	1350	1350	1350
MACHINE LENGTH	23.1 meter	22.1 meter	22.1 meter	19.4 meter
	75'10"	72'6"	72'6"	63'8"
CONNECTED LOAD	3.7 kW.	3.7 kW.	5 kW.	7.5 kW.

Application

- ▶ Multi Filament Polyester, Nylon, Viscose yarn
- ▶ Ranging from 30 denier 3500 TPM to 300 denier 120 TPM



Dimensions



Servo Controlled Cop Winder

Model - S - 700



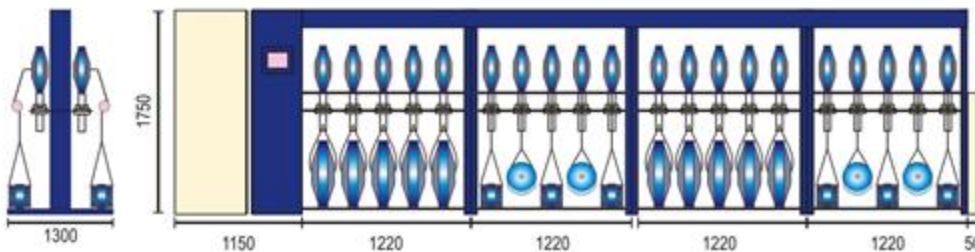
Technical Specifications

FRAME	Single Deck on both sides
SUPPLY PACKAGE	Cheese of diameter 450 mm or DT cops
TAKE UP PACKAGE	42 mm. or 36 mm. diameter prin / cop of length 240 to 420 mm. bottle or bobbin
YARN SPEED	300 to 700 m / min. constant
SPINDLE MOTOR	3.70 KW. / 5 HP, 3 Phase 415V / 380V
TENSION DEVICE	V-type knob controlled tension
PARAMETER SETTING	Denier, Yarn type, Yarn speed, Yarn weight, Angle, Yarn pitch, Low point, Stroke length, Winding type
CONTROL DEVICE	PLC system with servo motor driver
WINDING TYPE	Wrap, Filling, Wondering, Compound, Bottle, Bobbin
TRAVERSE DEVICE	Servo motor with ball screw
SPEED CONTROL	Inverter controlled spindle and traverse motor
SPINDLES BRAKING	Individual spindle brake

Features

- Servo motor driven with PLC system featuring the uniform yarn speed without the change in tension, so that it's possible to realize the high quality of winding.
- Input & output parameters can be set by touch screen control panel, so that it makes more convenient operation even for unskilled operator.
- The flexibility of its function allows the winding of all pirn, bottle and spool bobbins.

Dimensions



NO. OF SECTIONS	6	8	10	12	
NO. OF SPINDLES	60	80	100	120	Height
LENGTH-METERS	08.52	10.96	13.40	15.84	01.75
LENGTH-FEET	28'00"	36'00"	44'00"	52'00"	05'09"

Application

- ▶ Rewinder for Filament Yarn from bigger cheese to small cop suitable for Twisting Machine
- ▶ Cheese to Pirn winding
 - Bobbin winding
 - Bottle winding

Setable Parameters of Cops which gives Package Formation

Denier

30/6
50/48
62/48
84/36
70/72
75/36
150/36

Yarn Speed

Constant yarn speed up to 700 m / min. Positive feedback by encoder.

Options

- ▶ Individual length counter
- ▶ Cop length up to 420 mm.

Yarn type

Flat Textured or Crimped

Automatic package density selection.

COPS WINDER SYSTEM

MAIN	DATA	RECIEPE	MEERA
DENIER	: 75	UPPER ANGLE	: 19.0
WINDING TYPE	: WARP	LOWER ANGLE	: 19.0
YARN TYPE	: F	PITCH	: 0.30
WEIGHT	: 950 Gms	STROKE	: 240 MM
YARN SPEED	: 600 MPM		
LOW POINT	: 15 MM		
ENTER DENIER	: 75 F		

Touch Screen Panel

Yarn Pitch

Throughout constant yarn pitch thereby increase in package density.

Weight

Stroke Length & Low Point

S.L. up to 385 mm.
Low point

Angle

Even upper & lower angle can be kept different to get max. yarn weight.

Winding Type

Wrap Wind

Filling Winding

Wandering Winding

Compound Winding

Bottle Winding

Bobbin Winding

Two For One Twister for Industrial Thread



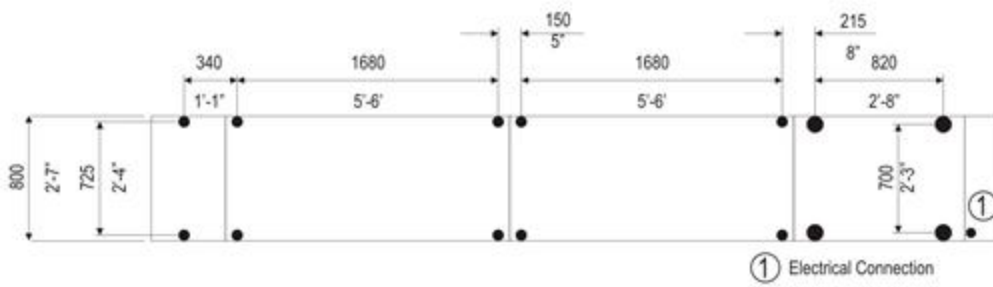
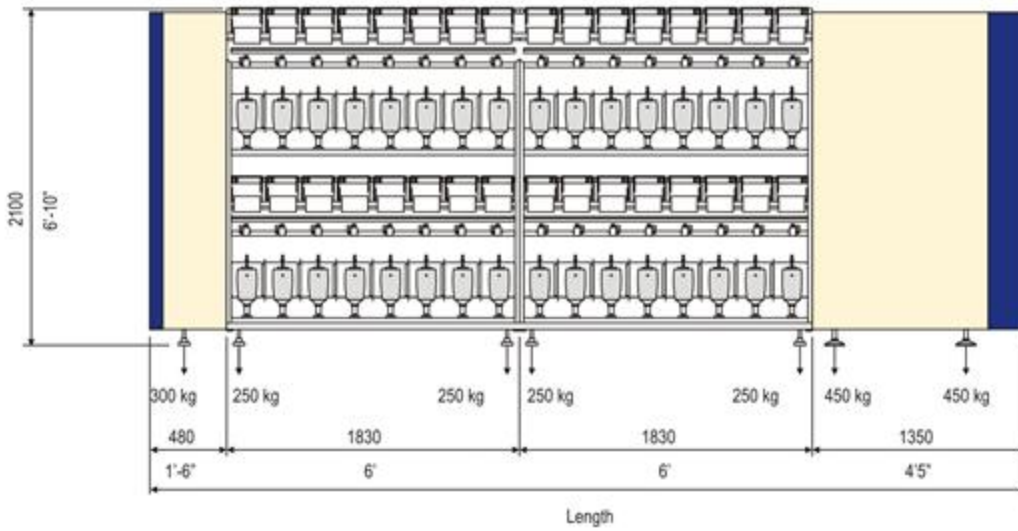
Technical Specifications

FRAME	Double Deck on both the sides
MACHINE WIDTH	800 mm.
SECTION PITCH	1830 mm.
MACHINE HEIGHT	2100 mm.
DENIER RANGE	30 to 450 denier
TWIST RANGE	100 to 1500 t/m, yarn speed shall be set at max 90 mtrs. / min.
MOTOR PULLEY	Set of 6000 to 12000 rpm.
SPINDLE BELT	Endless belt with nylon core
ATTACHMENTS	RPM, TPM, M / MIN display, yarn feed stop at yarn breakage, Anti-patterning device

SECONDARY	Primary						Secondary					
SPINDLE PITCH	150 mm.						260 mm.					
SPINDLE POT	70 mm.						110 / 130 mm.					
SPINDLE / SECTION / DECK	24						14					
NO. OF SECTION	8	9	10	11	12	13	8	9	10	11	12	13
NO. OF SPL. / INDIVIDUAL MACHINE	384	432	480	528	576	624	224	252	280	308	336	364
CONNECTED LOAD KW.	3.7	5	5	7.5	7.5	9.3	7.5	7.5	9.3	9.3	11	11
LENGTH - FEET	54'2"	60'2"	66'2"	72'2"	78'2"	84'2"	54'2"	60'2"	66'2"	72'2"	78'2"	84'2"
LENGTH - METERS	16.49	18.32	20.15	21.98	23.81	25.64	16.49	18.32	20.15	21.98	23.81	25.64

Two For One Twister for Industrial Thread

Dimensions



Application

- ▶ Plyed yarn
- ▶ Embroidery thread
- ▶ Sewing thread
- ▶ Fishnet yarn
- ▶ Quilting thread
- ▶ Salvage yarn
- ▶ Tyre cord
- ▶ Medical stitch yarn
- ▶ Footwear stitch yarn
- ▶ Any S & Z twisting application



Features

- Available in 0.9 to 2.5 kg. knot less package.
- Suitable for Polyester, Nylon, PP and Viscose yarn.
- Individual spindle brake.

TPRS Twister Machine



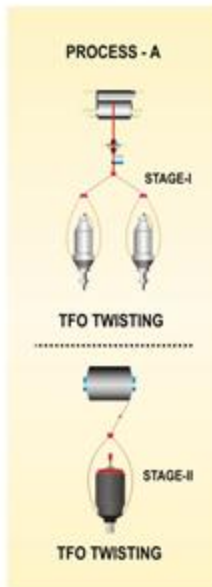
Being a Trend Setter in yarn twisting technology this is a very special phase for Meera Industries, Surat, India. We proudly want to announce that after research of several years we could invent the World's First SINGLE STEP S/Z Twisting Machines (TPRS Twister).

All kind of doubling yarns like Carpet Yarn, Embroidery Yarn, Fish Net Yarn, Sewing thread, Quilting thread, Salvage yarn, Tyre cord or any other double/triple yarn can be manufactured in a single step i.e. from COPS WINDER TO FINISH PACKAGE.

Meera's one step TPRS manufacturing method would give several Qualitative, Operational, Capital and Cost advantages.

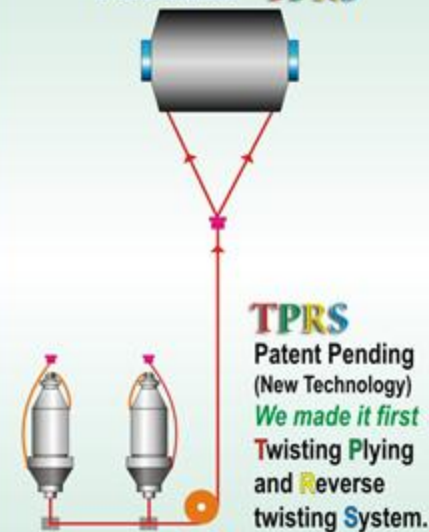
Below is the general idea of an old and new process of manufacturing Doubling Yarn.

EXISTING PROCESS



New Revolutionary

PROCESS - TPRS



TPRS Salient Feature for making 150/2, 300/2, 1000/2, 2000/3.



Overall cost reduction up to 40%

Superior Quality

The Quality of the yarn manufactured through TPRS technology has better quality than all previous technologies. This is because of the reverse twisting is taking place under the uniform tension of individual pre-twisted yarn. Hence the placing of yarn during final twist is most uniform than any other process.

Space Savings

TPRS Technology, not only reduces the operational cost instead it also helps in various ways to reduce your capital cost.

- Saving of Space due to single machine instead of two separate primary twister & secondary twister.
- Expenses on bobbins will be saved since the yarn will be manufactured directly from cops to final package.

Smooth Running

The beauty of the process will be realised in smooth running of the machines with very minimal breakages and clean environment in the work area.

Labour Advantage

Currently the industry's biggest worries are to manage labour shortages and the Launch of TPRS at this crucial time would definitely help manufacturer to solve this to a greater extent.

Above was just a brief summary of TPRS technology, for more details and machine demonstration you can visit our factory.

TPRS Twister Machine (For any "S" & "Z" twist yarn)

Technical Specifications

	(TPRS - 19)			(TPRS - 25 MOTORISED)		
FRAME	Single deck both sides			Single deck both sides		
MACHINE WIDTH	800 mm			1010 mm		
SECTION PITCH	1830 mm			2130 mm		
MACHINE HEIGHT	1750 mm			2300 mm		
DENIER RANGE	100 to 600 denier			600 to 4500 denier		
TWIST RANGE	150 to 1500 t/m, yarn speed shall be set at max 70 mtrs/mm			50 to 1500 t/m, yarn speed shall be set at max 70 mtrs/mm		
MOTOR PULLEY	Set of 6000 to 10000 rpm			2000 to 5000 Inverter Controlled		
SPINDLE BELT / DRIVING	Endless belt with nylon rpm			Individual motor spindle		
ATTACHMENTS	RPM,TPM, M/MIN display, Yarn feed stop at yarn breakage, Anti - patterning device			RPM,TPM, M/MIN display, Yarn feed stop at yarn breakage, Anti - patterning device		
SPINDLE PITCH	360 mm			525 mm		
SPINDLE / SECTION	10			8		
NO. OF SECTION	8	10	12	8	10	12
NO. OF SPINDLE / DECK	80	100	120	64	80	96
CONNECTED LOAD PER DECK	12.5kW	12.5kW	15kW	32kW	40kW	48kW
LENGTH IN FEETS	53'	65'	77'	61'	75'	89'
LENGTH IN MTRS.	16.20	19.80	23.50	18.60	22.90	27.10

Supply Package



	TPRS - 19	TPRS - 25
SUPPLY PACKAGE	32x36x360 mm cops	32x36x320 Flanged bottle
SUPPLY PACK. WTG.	1 kg	1.6 kg
No. of Ply	2 or 3 ply	2 or 3 ply



Application

- ▶ Sewing Thread
- ▶ Embroidery Yarn
- ▶ Plyed Yarn
- ▶ Stick Yarn
- ▶ Carpet Yarn
- ▶ Quilting Yarn
- ▶ Salvage yarn
- ▶ Tyre cord
- ▶ Fishnet yarn
- ▶ Medical stitch Yarn
- ▶ Footwear stitch yarn
- ▶ Any S & Z twisting application

Take Up Package

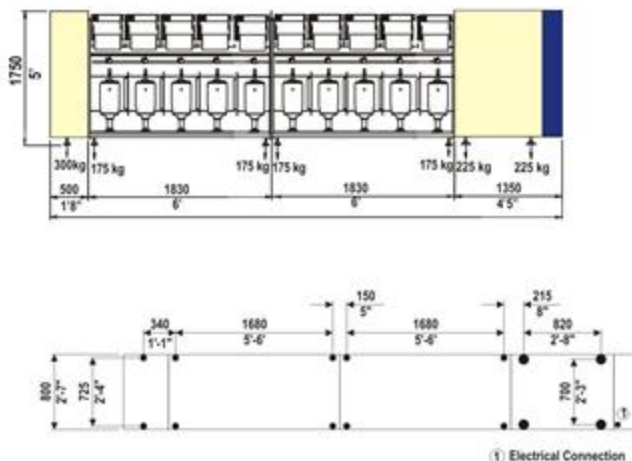


	TPRS - 19	TPRS - 25
PACKAGE CAP.	1.5 kg knotless	2.5 kg knotless
PACKAGE CAP.	Take up 3.5 kg with knot	Take up 5 kg with knot
MAX.PACK DIA	250 mm	300 mm
PACKAGE TUBE	Dia 46 x 57 x 230	Dia 46 x 57 x 290



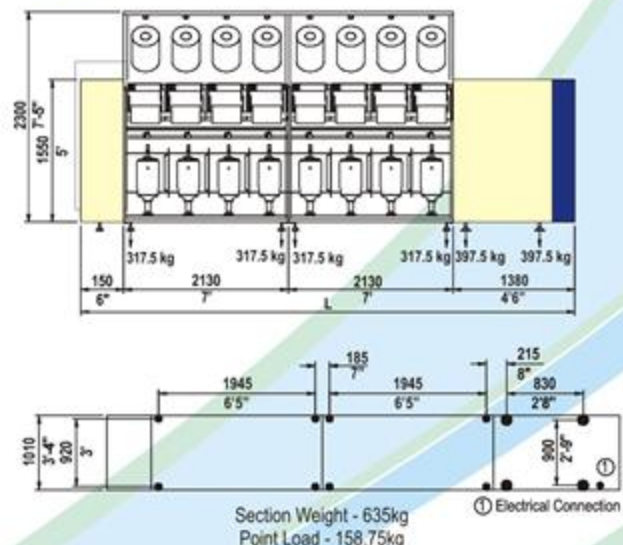
DIMENSIONS

TPRS - 19



DIMENSIONS

TPRS - 25



Heavy Duty Twister / Cabler Machine

Model - C-260



Application

- ▶ Carpet yarn
- ▶ Tyre cord
- ▶ Single end BCF yarn
- ▶ As high as 6000 denier with as low as 20 TPM

Features

- Automatic spindle stop on yarn breakage
- Servo driven traverse mechanism
- Hysteresis tension device for uniform unwinding avoiding loop formation & twist fluctuation
- Direct cabling process in two ply application
- Low power consumption due to single yarn balloon
- Double the knot less package compared to normal TFO twisting
- Universal Spindle design enables easy conversion from the Two For One to the direct cabling process & vice versa
- Delivery speed up to 120 m/min.
- Individual motor driven spindle to minimize power noise and maintenance
- Overall saving in machine cost, labor cost & power cost by 50%

Technical Specifications

	C - 190 / C- 210	C - 260	C - 260
TWIST RANGE	21 to 800 t/m 0.5 to 10 t/inch	21 to 800 t/m 0.5 to 10 t/inch	21 to 800 t/m, 0.5 to 10 t/inch
COUNT RANGE	400 to 3000 denier x 2	400 to 3000 denier x 2	400 to 3000 denier x 2
SECTION PITCH	2130 MM	2130 MM	1830 MM
SPINDLE SPEED	up to 8000 RPM	up to 6000 RPM	up to 6000 RPM
DELIVERY SPEED	Max. 120m/min	120 M/Min	Max.120 M/Min
PACKAGE FORMATS	Different tube / cone formats available on application	Different tube / cone formats available on application	Different tube / cone formats available on application
NO. OF SPINDLES (MAX)	120	96	72
NO. OF SPINDLES PER SEC.	10	8	6
SPINDLE GAUGE IN mm.	420	525	600
POT DIAMETER mm.	190 / 210	260	260



Heavy Duty Twister / Cabler Machine

Feed Package

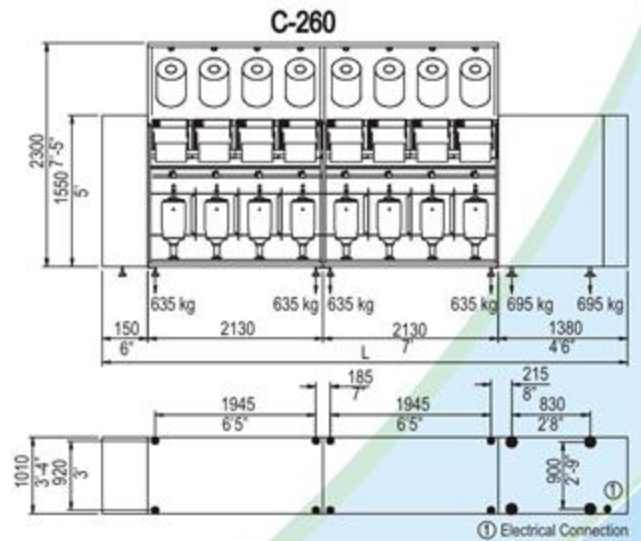
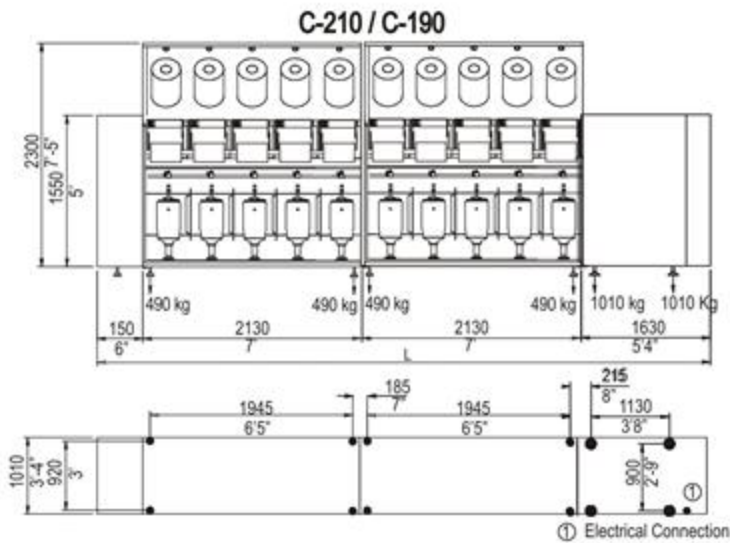
	C - 190	C - 210	C - 260
Winding Traverse	254 mm.	254 mm.	254 mm.
Max. Package Diameter	180 mm.	200 mm.	254 mm.
Max. Tube Length	290 mm.	290 mm.	290 mm.
Min. Tube Bore	57 mm.	57 mm.	57 mm.
Net Yarn Weight	Approx. 4 kg.	Approx. 5 kg.	Approx. 8 kg.

Take-Up Package

	C - 190	C - 210	C - 260
Winding Traverse	254 mm.	254 mm.	254 mm.
Max. Package Diameter	400 mm.	400 mm.	400 mm.
Max. Tube Length	290 mm.	290 mm.	290 mm.
Min. Tube Bore	57 mm.	57 mm.	57 mm.
Net Yarn Weight	Approx. 8 kg.	Approx. 8 kg.	Approx. 12 kg.



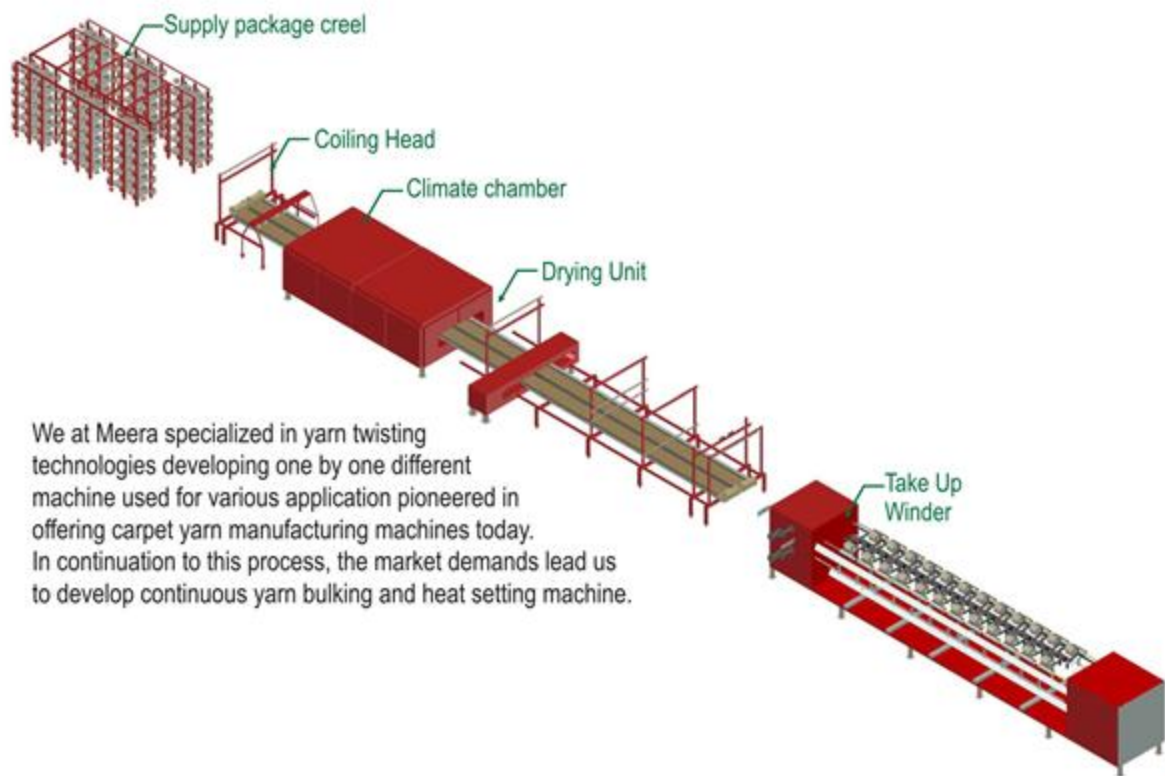
Dimensions



Continuous Bulking & Heat Setting Machine for Carpet Yarn



MEERABAH



We at Meera specialized in yarn twisting technologies developing one by one different machine used for various application pioneered in offering carpet yarn manufacturing machines today. In continuation to this process, the market demands lead us to develop continuous yarn bulking and heat setting machine.

We are offering machine with the following technical specifications:

- **Yarn Type:** Polyester, Nylon, Polypropylene, Acrylic, Wool etc.
- **No. of Ends:** Up to 60
- **No. of Setting Channel:** 4
- **Yarn Speed:** Up to 400 MPM
- **Production:** Up to 6 tons per day
- **Heat Setting Process:** Overheated steam process up to 190 degree.
- **Supply Creel:** Facilitated with two package stand for transfer tail and yarn break detector.
- **Coiling Head:** Coiling head to lay yarn on conveyor lead to climate chamber.
- **Conveyer Belts:** Teflon coated yarn transport belts driven by PLC controlled geared motor to very Dwell time ranging from 40 secs to 10 mins.
- **Climate Chamber:** Heat setting chamber having temperature as well as humidity control to set requisite yarn bulk and heat setting of yarn.
- **Yarn Dryer:** Yarn cooling area after heat setting of yarn to drop the yarn at room temperature.
- **Yarn Splitting:** Yarn bundle of 16 ends get separated after cooling for final winding of yarn in individual package ready for use.
- **Final Winder:** Take up winder to builds final package of yarn duly bulked and heat sated ready for tufting carpet up to capacity of 4 kgs.
- **Electricals & Electronics:** Complete controlling of heat set process is done by PLC controlled yarn sensing, yarn speed, dwell time, chamber temperature, yarn speed at take up in synchronizing ways to achieve desired uniform yarn bulking and heat setting.
- **Over All Dimension:** Space requirements of the machine is of 14 feet width by 95 feet long from yarn feeding to final winder.

End Products:



MEERABAH



Ring Twisting Machine



Features

- Yarn upto 60,000 denier
- Yarn speed upto 140 meter/min.
- Maximum Bobbin height 600mm.
- Ring dia ranges from 140 to 300mm
- Individual motor spindle.
- Twisting and winding parameters set by touch panel.
- Pressurized lubrication system set by PLC.
- Pressurized rollers by pneumatic cylinder with overlapping protection.

Take up types



Pressurized Control



Pressure roller



Central oiling device



Ring Twisting Machine

Technical Specifications

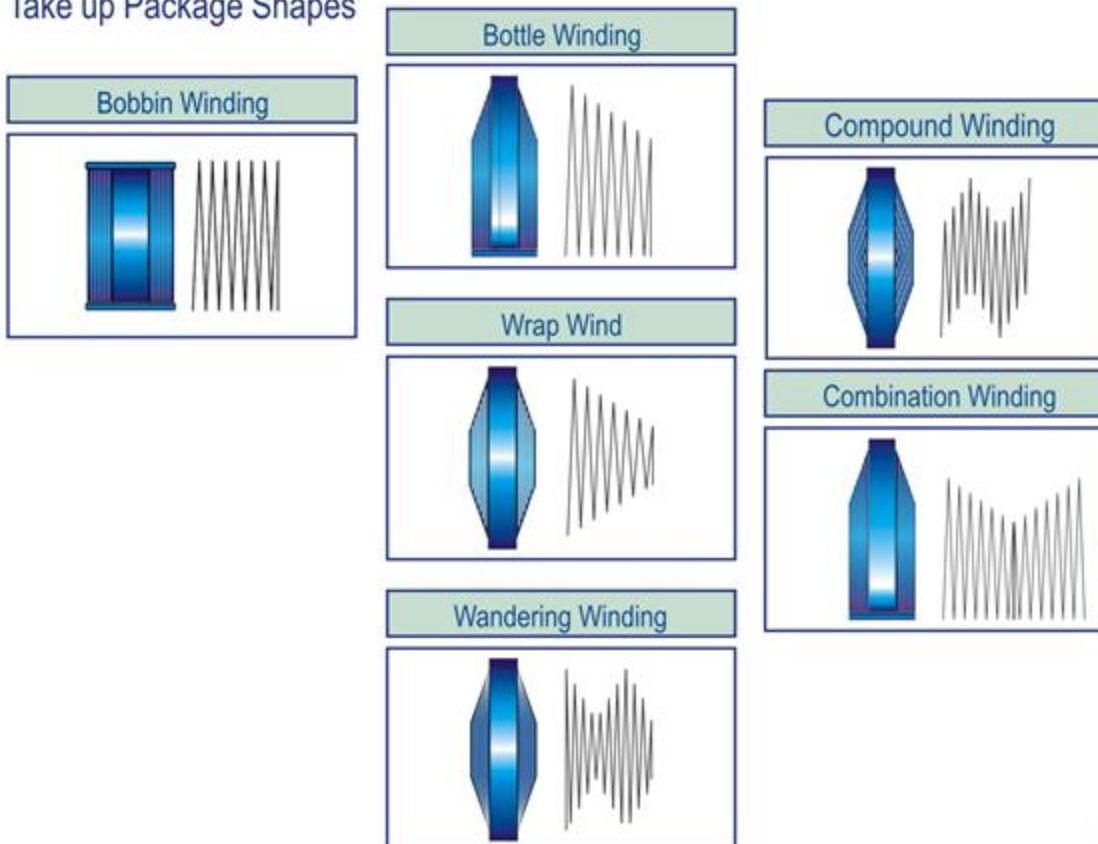
TECHNICAL FEATURES

UNITS	R-140	R-160	R-200	R-250	R-300
NUMER OF SPINDLES	8	7	6	5	4
GAUGE	180	215	250	300	375
RING DIAMETER	140	160	200	250	300
RING HEIGHT	16.7	16.7	25.4	25.4	38.1
TWIST RANGE	T.P.M. 10-1000				
DELIVERY SPEED	m/min. 140				
SPINDLE SPEED	R.P.M. 6000	6000	5000	5000	3000
NO_OF PLY-SENSING	--- 4-6				
MACHINE DIMENSIONS (LXWXH)	mm. 1600 X 1250 X 2100				

TAKE UP

BOBBIN SHAPE	--- Double flange, bottle, biconical.				
MAX. RING HOLDER TRAVERSE (Max)	mm 600				
MAX. CAPACITY	Litres 4	6	11	15	25
RING HEIGHT	mm 16.7 16.7 25.4 25.4 38.1				
DENIER RANGE	- 150-5000	500-10000	1000-25000	1500-60,000	1500-60,000

Take up Package Shapes



Covering Machine



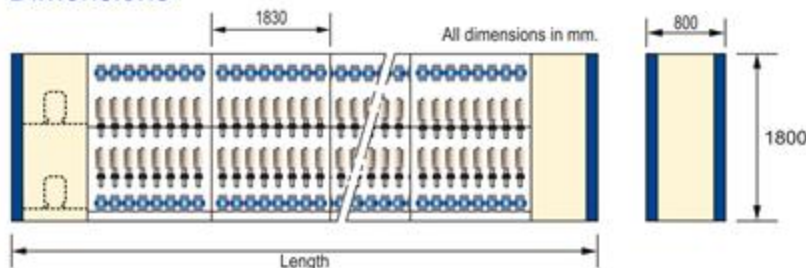
Technical Specifications

GENERAL DATA	
COVERING TYPE	Double
SPINDLE GAUGE	225
MAX. WORK SPEED	16000
WHARVE DIAMETER	25
SPINDLE DRIVE	Tangential belt
TWIST RANGE	150 - 4500 tpm
TYPE OF FEEDING PACKAGE	
COVERING YARN	Flanged bobbin type
CORE YARN	Bobbin width-115 max. or cone dia 220 mm.
TAKE UP	
NO. OF DECKS	02
MAX. BOBBIN DIAMETER	180
TRAVERSE LENGTH	152 mm.
TUBE LENGTH	172 mm.
CYLINDER TUBE DIAMETER	63 mm.
MAX. SPEED OF TAKE-UP	60 m / min.
FRAME	
SECTION LENGTH	1830
MACHINE WIDTH	800
MACHINE HEIGHT	1800

Double Deck Machines for Covering of Elastic Yarns / Glass Fibre Yarn

- The machines, built to fit hollowed spindles, are equipped with a high sophisticated traverse, tapering device & lip motion device, such to take-up even packages to be used directly in hosiery without prior rewinding.
- The take-up cradle is of the "open arm" type, with centering running on ball bearings.
- Different types of control can be equipped the machines from fully mechanical to full electronic system.

Dimensions



NO. OF SECTIONS	10	11	12	13	
NO. OF SPINDLES	320	352	384	416	Height
LENGTH-METER	20.15	21.98	23.81	25.64	2.1
LENGTH-FEET	66'2"	72'2"	78'2"	84'2"	6'10"

Values we value



Constant R & D

The focus is to discover new principles for the high-tech revolution to meet the challenges of future - "Today"



Energy Saving

Who don't like to secure the future? Indeed today's conservation is tomorrow's asset.



Leadership

Trend Setters are always the leaders and to lead is one of our dimension.



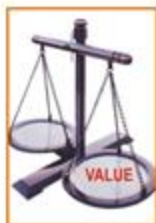
Multiple Solutions

Our intellect always enhance 1: many ratio in order to lead the market for consumer's benefit.



Team work

Our firm always reaches its potential, as every employee puts the team first - ahead of personal glory.



Competitive Rates

For us "Profit making" is in terms of customer satisfaction. So offering better value is our discipline.



ISO 9001 COMPANY

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