

A detailed view of a MEERA TWISTER CABLER machine, showing multiple spools of white yarn being processed by a complex mechanical system with curved arms and spindles. The machine is set against a solid red background.

**MEERA**

# TWISTER CABLER

FOR CARPET YARNS  
地毯纱线捻线机

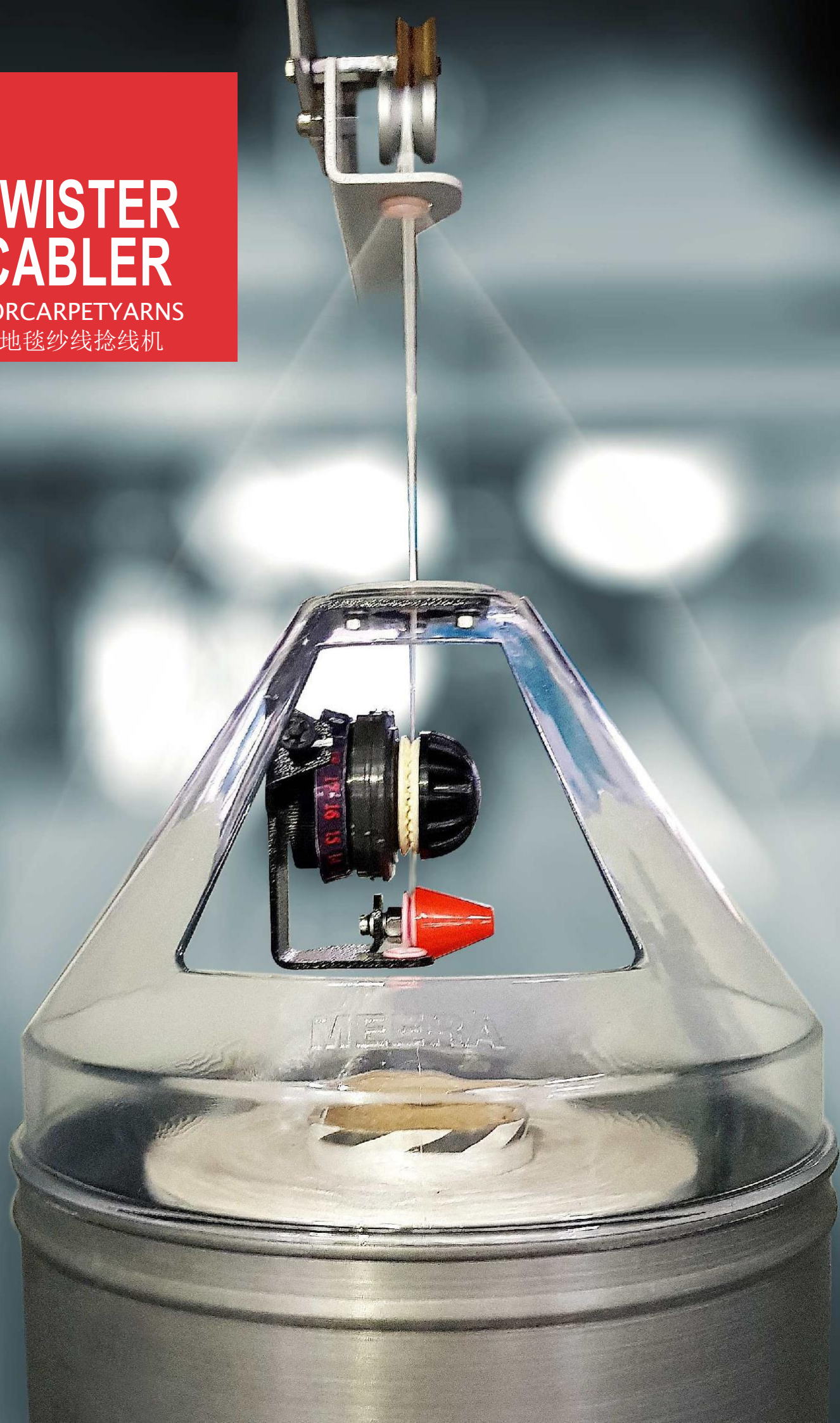
INNOVATIVE  
AUTHENTIC  
FUTURISTIC

创新的  
真正的  
未来派

# TWISTER CABLER

FOR CARPET YARNS

地毯纱线捻线机





# TWISTER / CABLER (单捻 / 合股)

Meera has been the leading manufacturer of Heavy Duty Cabler/ Twister machines for many years. Our twister has been used by manufacturer of many carpet and industrial yarns in india and abroad for premium quality Products. There are several advantages that makes meera heavy duty twister / cabler at par with International Standards.

多年来, Meera一直是重型合股/单捻线机的领先制造商。我们的捻线机已被印度和国外许多地毯和工业用纱线的制造商用于生产优质产品。meera重型捻线机/合股机具有许多与国际标准相当的优点。

## ADVANTAGES (优点)

- Delivery Speed up to 120 meters / min.  
输送速度高达120米/分钟。
- Spindle Speed upto 8000 rpm.  
主轴转速高达8000 rpm。
- Individual Spindle Motor System for better performance.  
独立主轴电机系统具有更好的性能。
- Tested Sections with Modular packing reduce setup times.  
带模块化包装的测试段减少了安装时间
- High Quality and high economy yarns for carpets and other industrial threads.  
用于高质量和高经济的地毯纱线和其它工业线。
- Lowest Energy Consumption.  
最低能耗。
- Outstanding Cost Performance ratio.  
出色的性价比。



### S-Series

SpunTwisterFor Course Counts  
短纤捻线器用于课程计数

Count (计数): 2/20- 2/1

Yarn (纱): Cotton, Viscose, Wool, Acrylic

Application (用途): Industrial Yarns, Carpet Yarn

Popular (流行): 2/5, 3/3, 4/3, 3/2, 5/4, 4/2, 4/4, 8/6, 10/8

### F-Series

Filament Twister For Heavy Denier (粗旦长丝捻线机)

Denier (丹尼尔): Upto 12000

Yarn (纱): PP, PA, PET, PES, Polyester

Application (应用): Carpet Yarn, Industrial Thread, PPClosing Thread

Popular (流行): 840/2, 840/3, 1000/1, 2000/1, 300/2/8, 300/2/18

### CK-Series

Carpet Cabler for BCF Yarns  
用于BCF纱线的地毯合股

Denier (丹尼尔): Upto 12000

Yarn (纱) - PP, PA, PES, PET, BCF

Application (应用) - BCF Yarn For Carpet

Popular (流行) - 1000/2, 1200/2, 1500/2, 2400/2

# What is Direct Cabling?

## 什么是直接合股？

Direct cabling is an innovative approach to creating multi fold torque balanced filament yarns. It is a single-stage process in which two yarns are wrapped around each other without imparting turns or twist to the single yarns.

直接合股是制造多倍扭矩平衡长丝的一种创新方法。这是一种单步加工工艺，在其中两条纱线相互缠绕，而不给单条纱线旋转或捻度。

Direct Cabling is used in the production of BCF (Bulked Continuous Filament) Carpet Yarns. It offers good covering capacity, thus higher productivity.

直接合股用于生产BCF（连续膨化长丝）地毯纱线。它提供了良好的覆盖能力，从而提高了生产率。

Keeping our focus on what customer wants and our Passion for Innovation and Futuristic twisting solution, we developed carpet cabling which is fully Automatic and loaded with all features.

我们专注于客户想要的创新激情和未来的加捻解决方案，我们研发了全自动地毯合股机，并配备了所有功能。

- Lowest Energy Consumption (能耗最低)
- High on Productivity (高生产率)
- Easy to operate (操作简便)



## FEATURES (特征)



### INDIVIDUAL SPINDLE DRIVE SYSTEM

#### 个别主轴驱动系统

- Fully Inverter Control Drive  
全变频器控制驱动
- Individual Motor Spindle not only contributes to the saving of electricity by 40% it also ensures that all of the driven spindles run precisely synchronized.  
单个电机主轴不仅有助于节省40%的电力，还确保所有驱动主轴精确同步运行。
- Individual Motor Spindle allows Automatic Spindle stop in the event of yarn break for that particular spindle.  
单个电机主轴允许在特定主轴断纱时自动停止主轴。
- Further due to individual drive higher speed and Higher denier can be achieved, means high Efficiency.  
进一步由于单独驱动，可以实现更高的速度和更高的纤度，意味着高效率。
- Due to Individual Spindle Drive System Any spindle can be shut down via multifunction switch adding to reduce wastage and production control.  
由于单独的主轴驱动系统，任何主轴都可以通过多功能开关关闭，以减少浪费和生产控制。
- Grouping of spindle can also be done to run more than one quality at a time adding to R&D needs.  
主轴的分组也可以做到一次运行一个以上的质量，增加了研发需求。





## EASY TO OPERATE BUTTONS / PANEL

易于操作按钮/面板

**Touch panel for easy to adjust parameters like Amount of twist, spindle speed, crossing angle length and time-based shut-down, individual Length counter etc.**

触摸面板，易于调整参数，如捻度，主轴速度，交叉角长度和基于时间的关机，个别长度计数器等。

The production parameters entered can be stored in an Article library and called up whenever required. Advance Reporting available like, delivery speed, operating hours, Spindle wise breakage report, production, operator Efficiency etc. The computer is equipped with a usb Connection.

输入的生产参数可以存储在项目库中，并在需要时调用。提供提前报告，如交货速度、工作时间、主轴断裂报告、生产、操作员效率等。计算机配有usb连接。



## EASY TO OPERATE BUTTONS

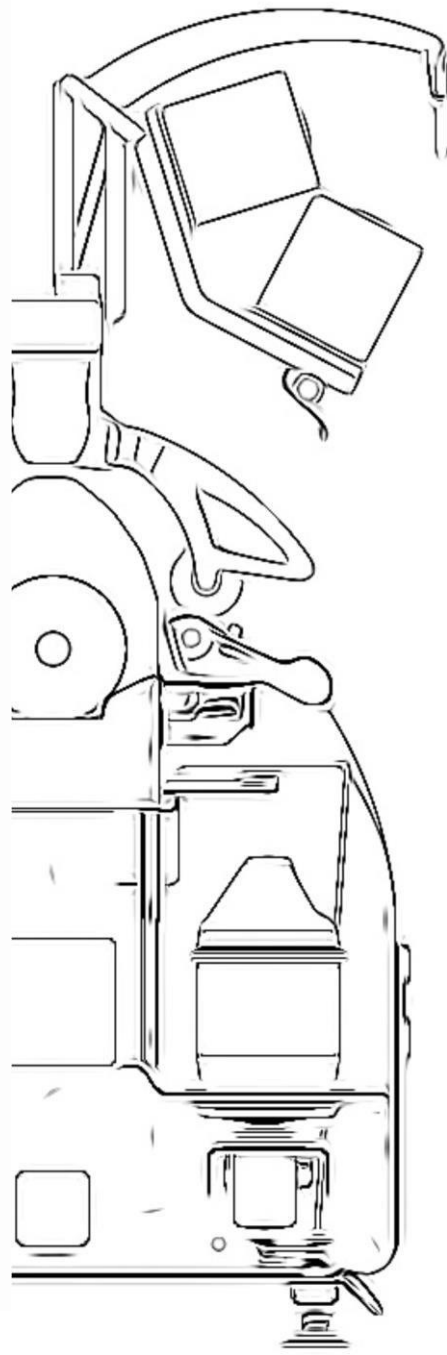
易于操作按钮

- Easy to operate Buttons on the face of machine.  
(易于操作的按钮在机器表面)
- Start button (开始按钮)
- Stop button (停止按钮)
- EMERGENCY STOP mushroom button  
(紧急停止蘑菇按钮)
- Pressure indicator For Air Threading  
(空气穿线压力表)
- S/Z Twist Swichover Button  
(S/Z捻向切换按钮)

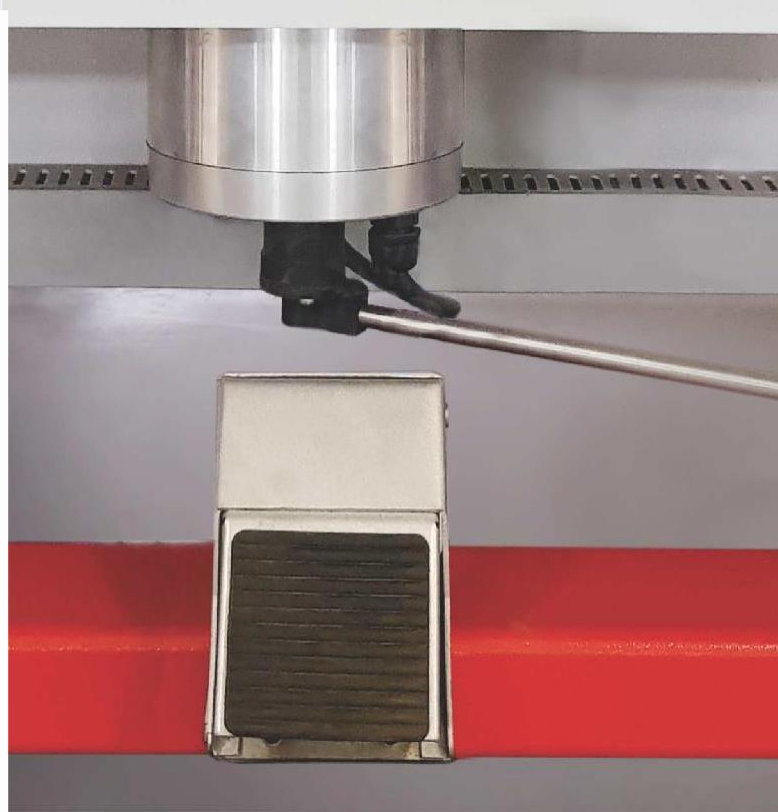
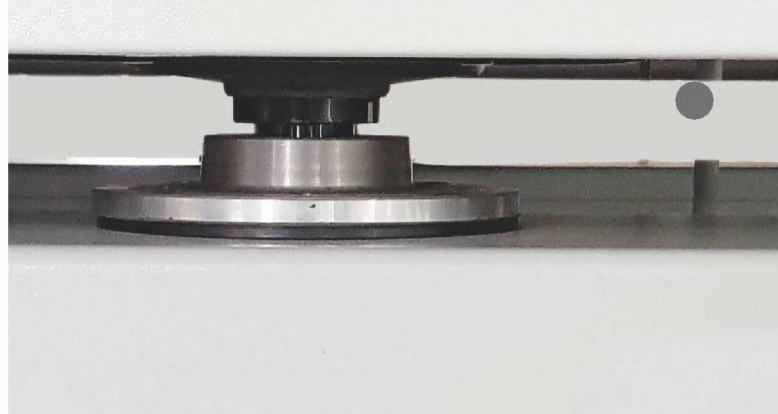
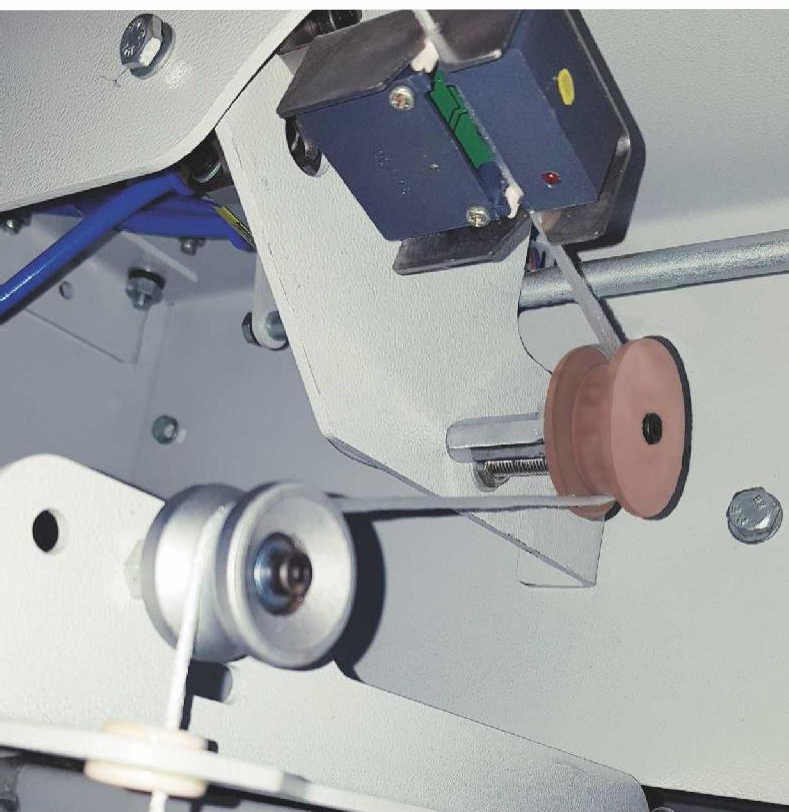
## MECHANICAL HI-LO CREEL WITH TUBE HOLDER

### 带管托架的机械式高低筒子架

- Spring supported Creel  
弹簧支撑纱架
- Simple high/low operation  
简单的高/低操作
- Sturdy and reliable  
坚固可靠
- Optimized yarn path  
优化的纱道
- Creel fitted with Empty Tubeholder for fast replacement of tube during doff time adding to ergonomics and high productivity.  
筒子架配有空管夹，可在落筒时快速更换管子，增加人体工程学和高生产率。







## HANDLING YARN BREAKAGE

### 纱线断头处理

Event of yarn Breakage, Yarn Completion, are controlled by High Quality Sensors. These events are clearly indicated by a visible signal.

纱线断裂事件，纱线完成，由高质量传感器控制。这些事件由一个可见的信号清楚地表示出来。

In case of Breakage, Ply Missing, Entanglement the remaining yarn is clamped, and ancillary functions, such as spindle stop and take-up package auto lift, are activated.

如果发生断裂、帘布层丢失、缠结，则夹持剩余纱线，并激活辅助功能，如主轴停止和卷取包自动提升。

This prevents rubbing on the wound yarn surface and safeguards the original quality of the yarn

这样可以防止在绕线表面摩擦，并保证纱线的原始质量

## AIR THREADING SYSTEM (OPTIONAL)

### 空气穿线系统（可选）

Air Threading makes a significant contribution in reducing the operating time.

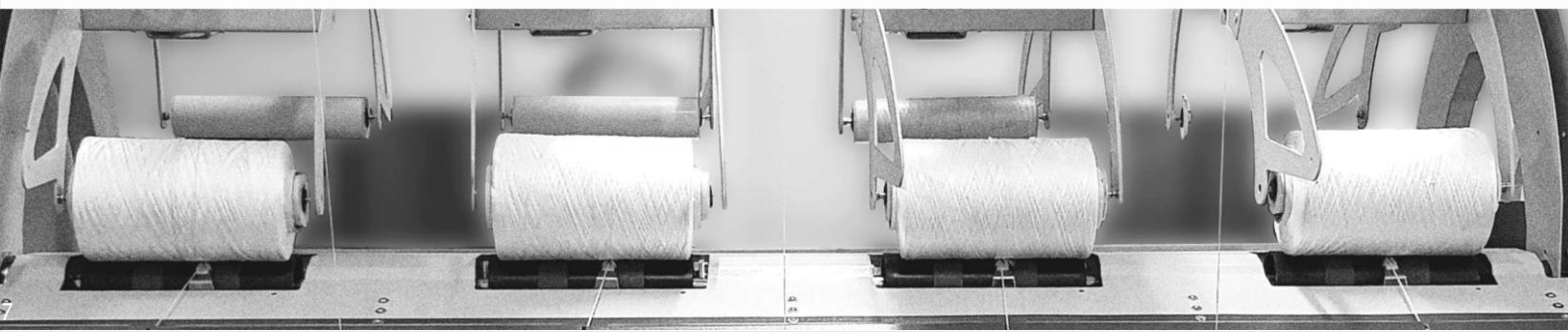
空气穿线在缩短操作时间方面有重要贡献。

On initiation of the threading operation, the air pressure sucks the creel yarn through the hollow shaft of the spindle.

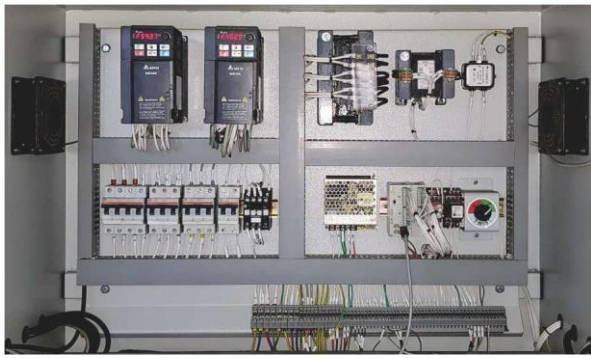
在开始穿线操作时，空气压力通过锭子的空心轴吸入筒子纱。

Then the Air guides the yarn around the spindle pot and bring it up where it can be easily grasped by the operator for further threading

然后，空气引导纱线绕着锭罐旋转，并将其带到操作员容易抓住的地方，以便进一步穿线





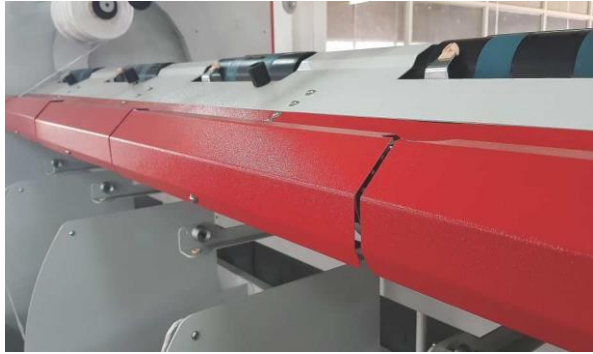


## FULLY INVERTER CONTROL DRIVE

### 全变频控制驱动

Fully Inverter Control Drive generates yarn take-up speeds upto 8000 rpm and delivery speeds up to 120 m/min.

全变频控制驱动可产生高达8000转/分的卷纱速度和高达120米/分钟的送纱速度。



## OVERFEED COVERS PROVIDED FOR OPERATOR'S SAFETY

### 超喂外罩保护操作人员安全

The overfeed unit and take-up package drive section are completely covered. That increases safety at work

超喂装置和卷取包驱动部分完全覆盖，增加了工作安全性。



## BUNCHING FOR TRANSFER TAIL

### 横动尾的聚束

Auto Bunching device facilitates the winding of the transfer tail. The grooves on the bunching device act as a automatic length counting for transfer tail. This adds to uniform length of transfer tail. A feature needed for higher productivity in post processing of yarn.

自动聚束装置有助于转移尾的卷绕。聚束装置上的小树林起到自动计算输送尾长的作用。这增加了转移尾的统一长度。提高纱线后处理生产率所需的特性。



Drum Apron (Friction rubber ring) is mounted on take-up drum for the stable transmission of take-up.

卷筒裙板（摩擦橡胶圈）安装在卷取滚筒上，用于卷取的稳定传输。

## FOUR BAR HEAVY CRADLE DESIGN

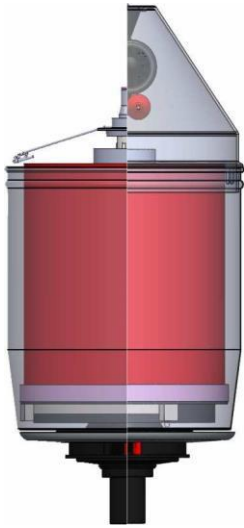
### 四杆重型摇篮设计

Four Bar Heavy Cradle design allows large Knotless takeup Package upto 400 MM and 20 KG at high takeup speed. Cradle pressure is designed to decrease in proportion with regards to increase in the package diameter and weight for uniform density & compact final package.

四杆重型摇篮设计允许大的无结卷取包装在高卷速状态下达到400毫米和20公斤。摇篮压力设计成随着卷装直径和重量的增加而按比例减小，以实现均匀统一的密度和紧凑的最终包装。







## CONVERTING BETWEEN DIRECT CABLER TWISTER 在合股和单捻之间转换

Hollow-shaft spindle allows the simple conversion from the two-for-one method to the cabling method and vice versa.  
空心主轴允许从二合一方法简单切换为合股方法，反之亦然。



## PACKAGE CONVEYOR BELT 包装输送带

In order to improve the ergonomics, the package conveyor belt has been designed so that Final Twisted packages can be removed laterally at exit point. This measure allows for a further reduction in operating time when handling large volumes of yarn.

为了改善人机工程学，设计了包装输送带，使得最终的加捻包装可以在出口点旁边移除。这项措施允许在处理大量纱线时进一步缩短操作时间。



## ENERGY SAVINGS SPINDLES 节能主轴

Up to 40% of energy can be saved by the energy-saving family of spindles.

主轴节能系列可节省多达40%的能源。

Spindle / Pot Size have a direct impact on Energy consumptions. Variety of Spindle options to choose for various Denier and Feed Package size.

主轴/锭罐的尺寸直接影响能源消耗。

可根据不同的纤度和进料包装尺寸选择各种锭子。

Available Pot Size are 190, 210, 260, 300.

可用锭罐尺寸为190、210、260、300



## HYSTERESIS BRAKE 磁滞制动器

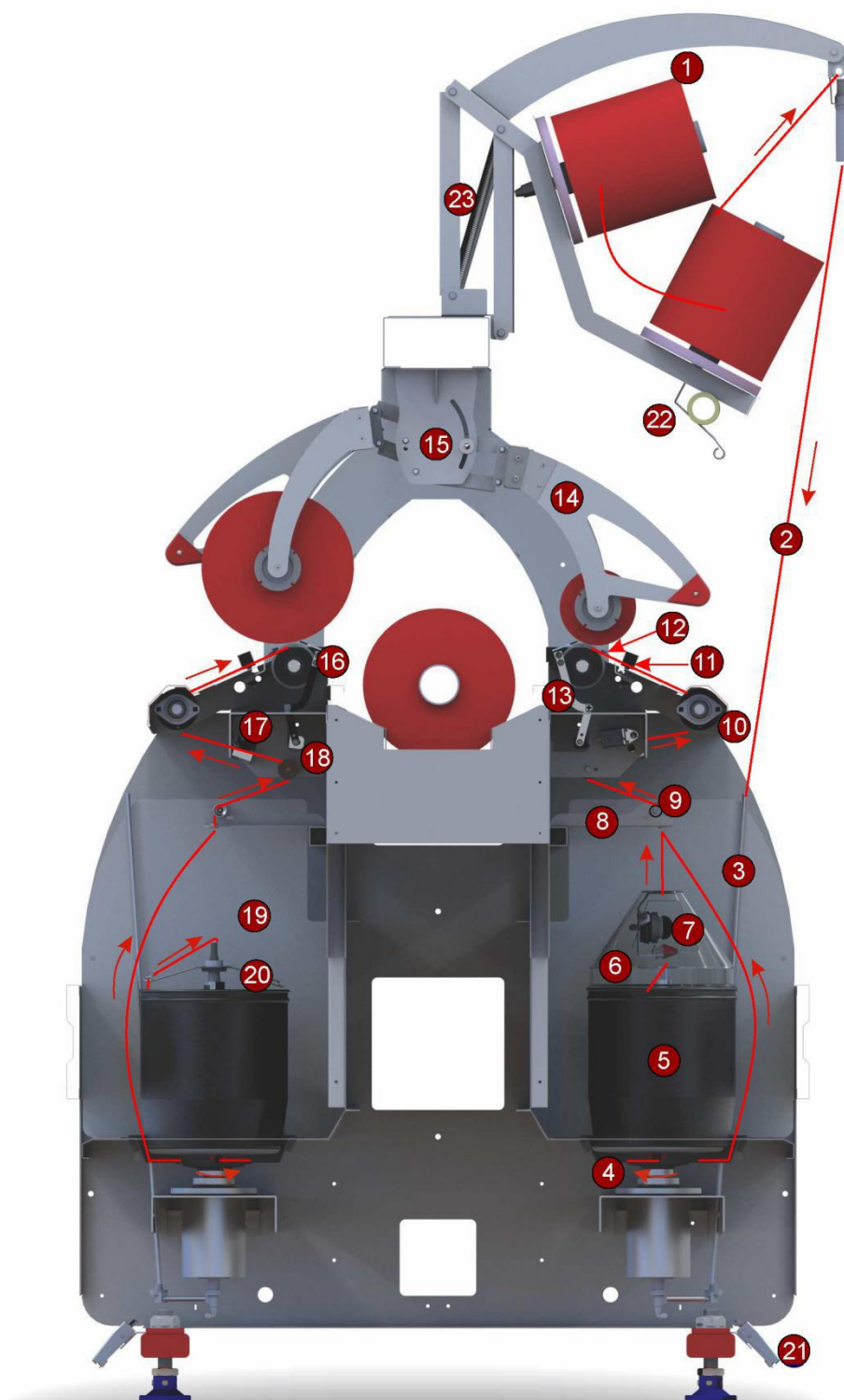
Calibrated, high-precision hysteresis brakes have been specially developed for processing carpet yarns in the direct cabling process. They are designed to accommodate the entire customized count range of the yarn grades likely to be processed.

经校准的高精度磁滞制动刺刀是专门为在直接合股工艺中加工地毯纱线而开发的，其设计可适应可能加工的纱线等级的整个定制计数范围。



## TWISTER / CABLER CK-260

- 1 Yarn (纱)
- 2 Yarn Path (纱道)
- 3 Yarn Guide Tube (导纱管)
- 4 Twisting/Cabling Spindle (捻线/电缆主轴)
- 5 Spindle Pot (主轴锅)
- 6 Spindle Top (主轴顶)
- 7 Hysteresis Tensioner (磁滞张紧器)
- 8 Yarn Balloon Guide (纱线气球指南)
- 9 Guide Roller (导辊)
- 10 Overfeed Roller (进纸辊)
- 11 Bunching Roller (滚轮)
- 12 Traverse Guide (导线架)
- 13 Package Lift Off (包装提起)
- 14 Cradle Assembly (通讯座组装)
- 15 Cradle Pressure Mechanism (摇架压力机制)
- 16 Take-up Drum (包装提起)
- 17 Yarn Sensor (纱线传感器)
- 18 Length Counter (长度计)
- 19 Seperator (分隔符)
- 20 Yarn Break & Flyer Assembly (断纱与传单组装)
- 21 Foot Pedal For Air Threading (脚踏板, 用于空气穿线)
- 22 Tube Holder / End Cap (管座/端盖)
- 23 Hi-Lo Creel (纱架)





**Carpet Twister / Cabler (地毯加捻/合股), Spindle Gauge (主轴宽度) 420, S-210, F-210, C-210**

No Position (数 位置)	60	70	80	90	100	110	120
Machine Length (机器长度) (M)	14410	16540	18670	20800	22930	25060	27190
Ft (英尺)	47.28	54.27	61.25	68.24	75.23	82.22	89.218

**Carpet Twister / Cabler (地毯加捻/合股), Spindle Gauge (主轴宽度) 525, S-260, F-260, C-260**

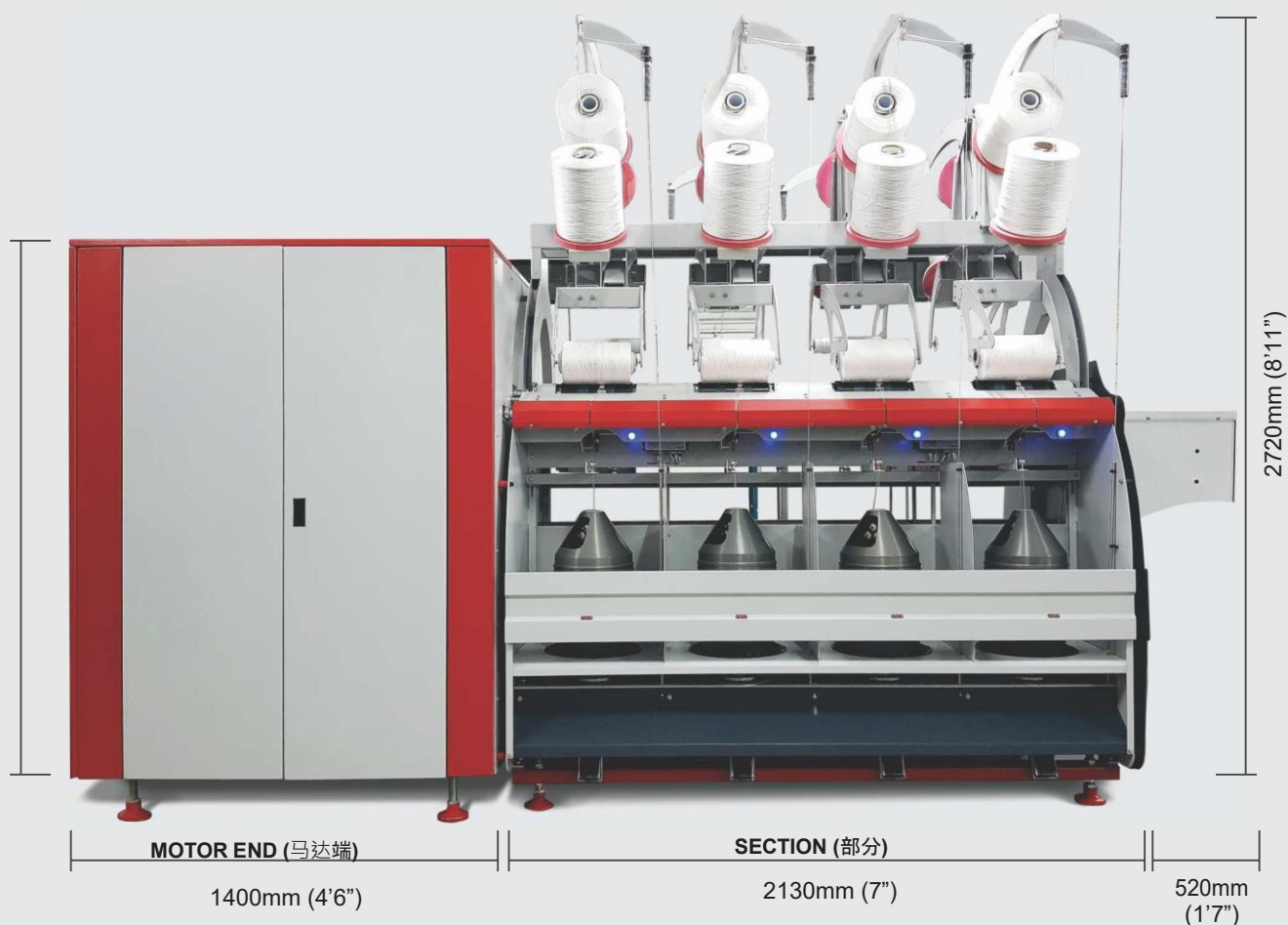
No Position (数 位置)	72	80	88	96	120	144	176
Machine Length (机器长度) (M)	20550	22680	24810	26940	33330	39720	48240
Ft (英尺)	67.42	74.418	81.40	88.39	109.35	130.31	158.27

**Carpet Twister / Cabler (地毯加捻/合股), Spindle Gauge (主轴宽度) 525, CK-260**

No Position (数 位置)	72	80	88	96	120	144	176
Machine Length (机器长度) (M)	20670	22800	24930	27060	33450	39840	48360
Ft (英尺)	67.81	74.80	81.79	88.78	109.74	130.71	158.66

**Carpet Twister / Cabler (地毯加捻/合股), Spindle Gauge (主轴宽度) 600, S-290, F-290, C-290**

No Position (数 位置)	72	84	96	108	120	144	180
Machine Length (机器长度) (M)	23880	27540	31200	34860	38520	45840	56820
Ft (英尺)	78.35	90.35	102.36	114.37	126.38	150.39	186.42





# about us (关于我们)

Meera Industries Limited an ISO 9001 company is a renowned name in the field of twisting, cabling and continuous heat setting machines. Having Presence in more than 26 countries, we are known for innovating new technologies and providing complete customized solutions to our customers.

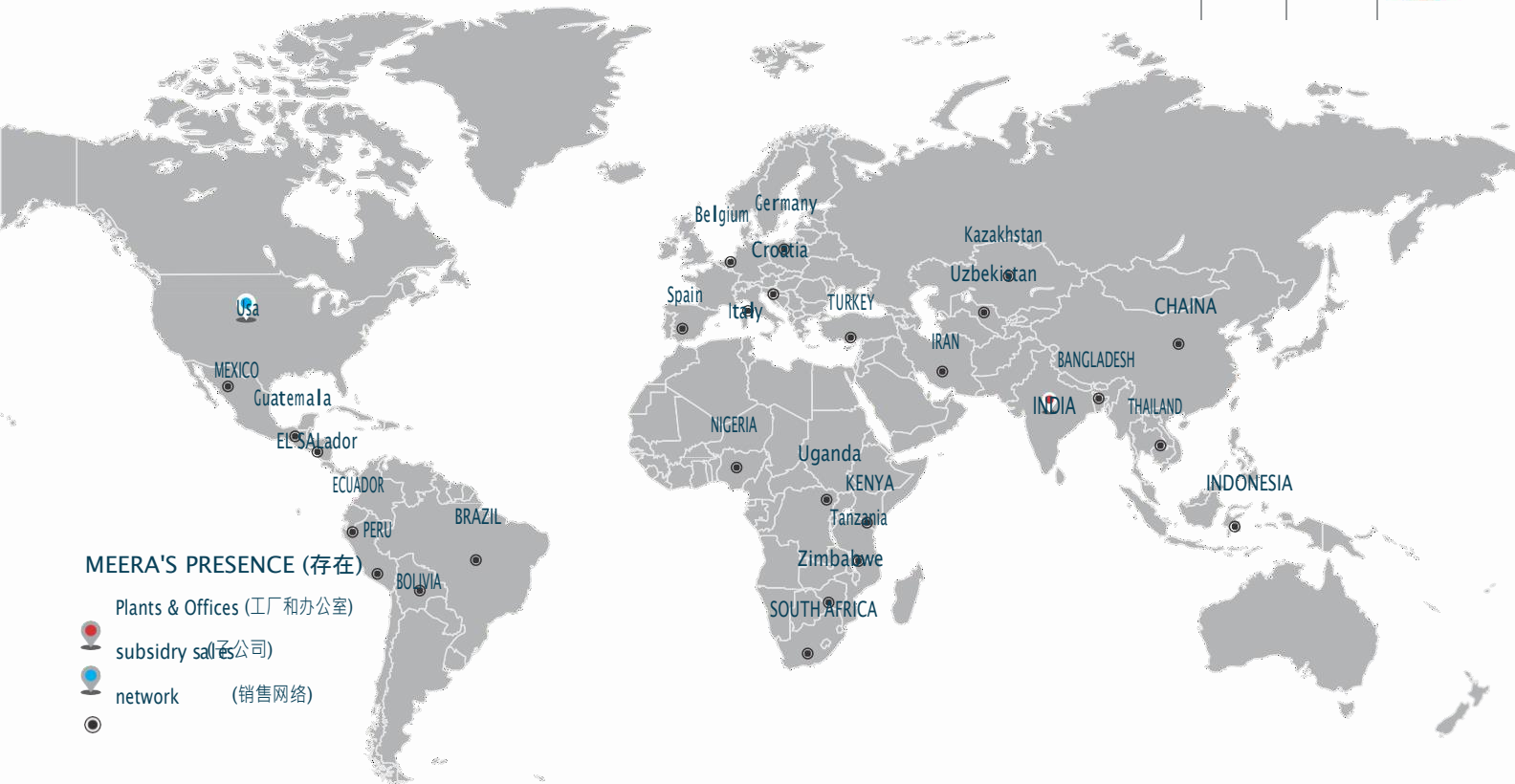
Meera Industries Limited 是一家通过ISO 9001 认证的公司。在捻线机、缆线机和连续热定型机领域中享有盛誉。我们在26多个国家/地区拥有分公司，以创新技术和为客户提供完整的定制解决方案而闻名。

We have a in house R&D center recognized by the Department of Scientific and Industrial Research (DSIR).

我们拥有一个由科学和工业研究部 (DSIR) 认可的内部研发中心

Energy conservation, Better Productivity and Ease of Use are the goals in mind when we design machines. We assure you to serve in the best possible way we can.

节约能源、提高生产率和易于使用是我们设计机器时要考虑的目标。我们保证您将尽我们所能为您服务。



## MEERA

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