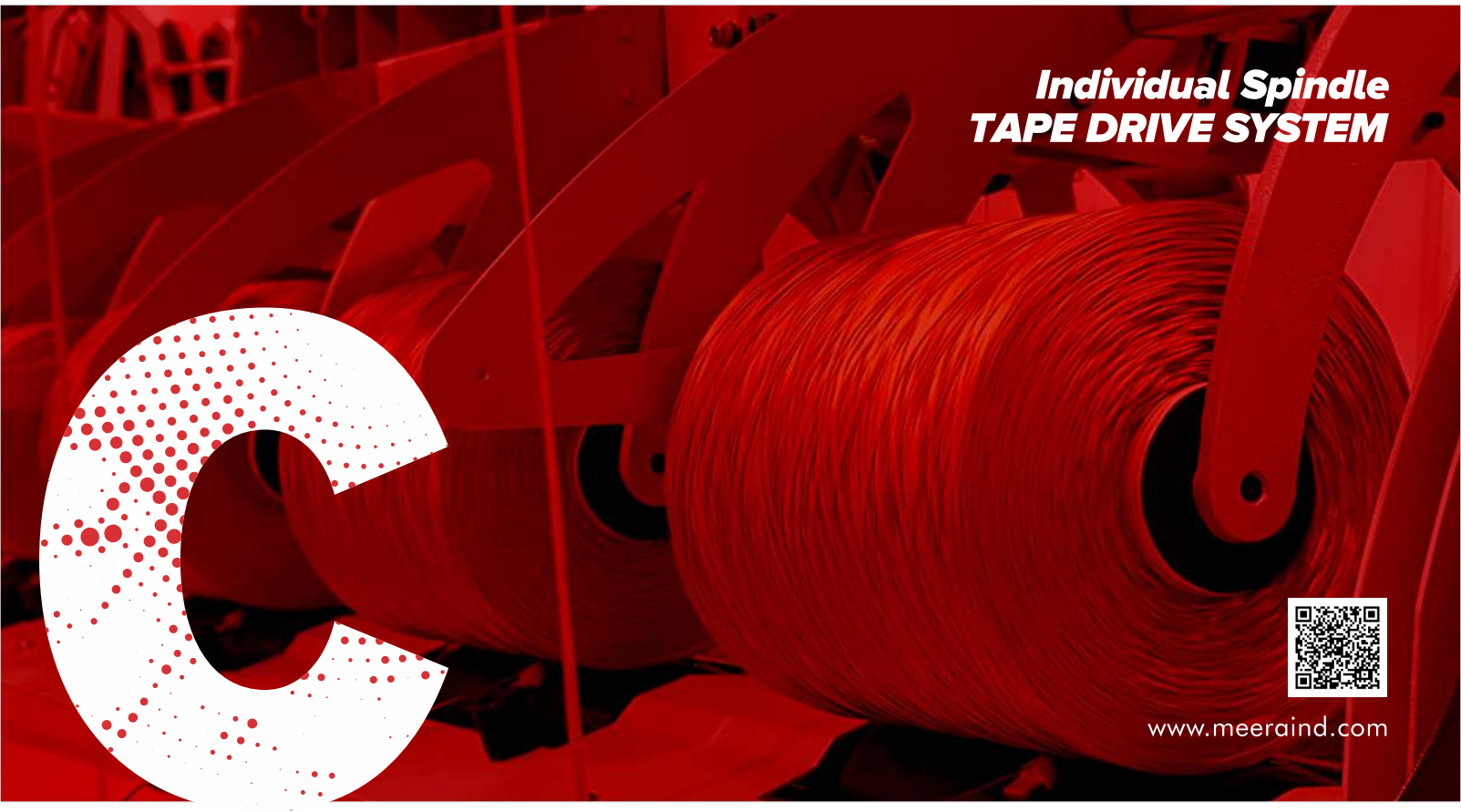
CT Series
Cabler Twister

MEERA
FUTURISTIC TWISTING

Carpet Cabler Twister

Direct Cabler / Two For One Twister for
BCF and Staple Carpet Yarns



TWISTER CABLER
FOR CARPET YARNS

Twisting Solutions

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.

ADVANTAGES

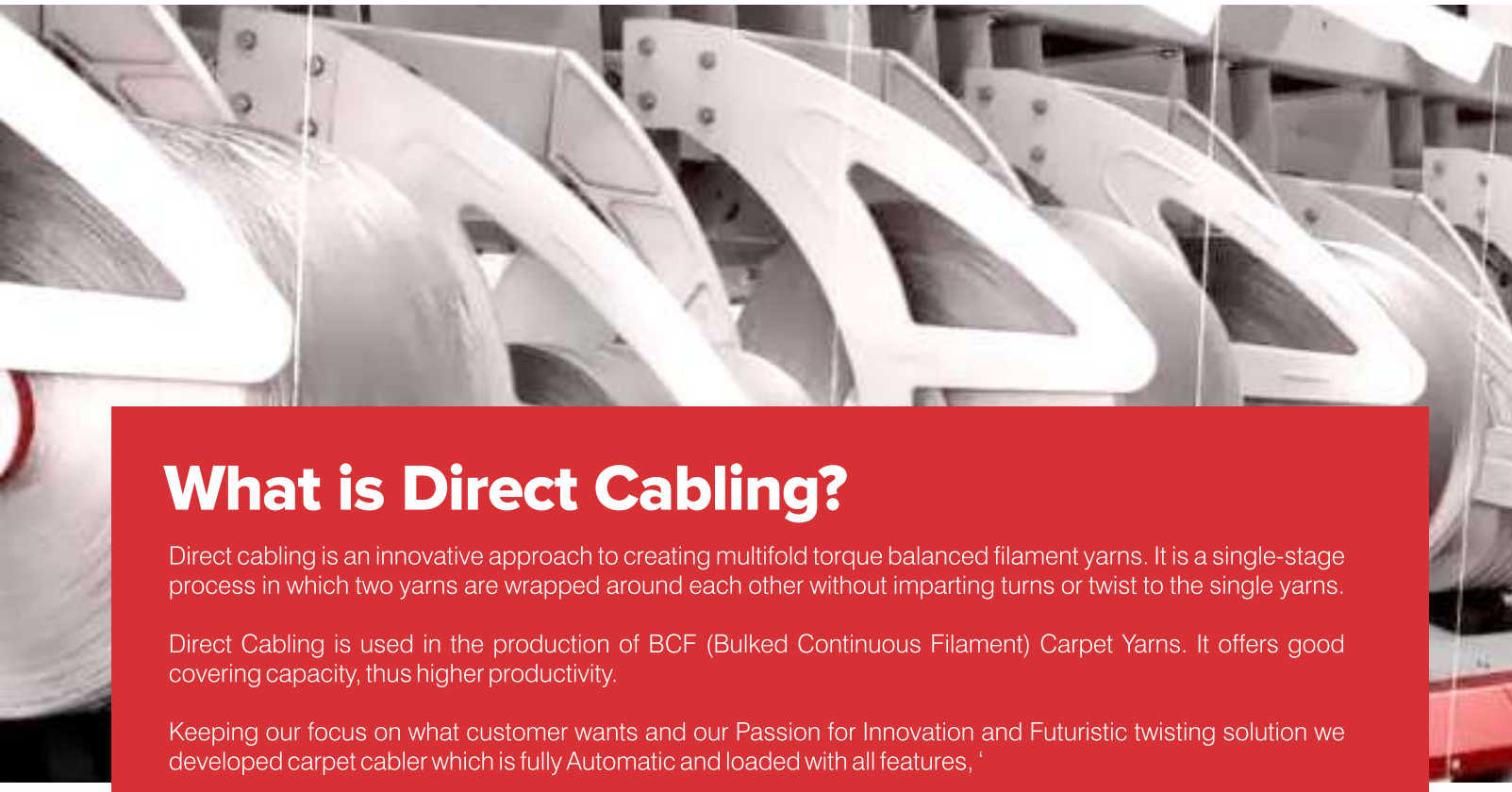
- Delivery Speed up to 120 meters / min.
- Spindle Speed upto 8000 rpm.
- Individual Spindle Tape Drive System for better performance.
- Tested Sections with Modular packing reduce setup times.
- High Quality and high economy yarns for carpets and other industrial threads.
- Lowest Energy Consumption.
- Outstanding Cost Performance ratio.

CT-Series

Carpet Cabler for BCF Yarns
Denier : Upto 12000
Yarn - PP, PA, PES, PET, BCF
Application - BCF Yarn For Carpet
Popular - 1000/2, 1200/2, 1500/2, 2400/2

Individual Spindle TAPE DRIVE SYSTEM

One drum shaft per side with individual spindle tape drive



What is Direct Cabling?

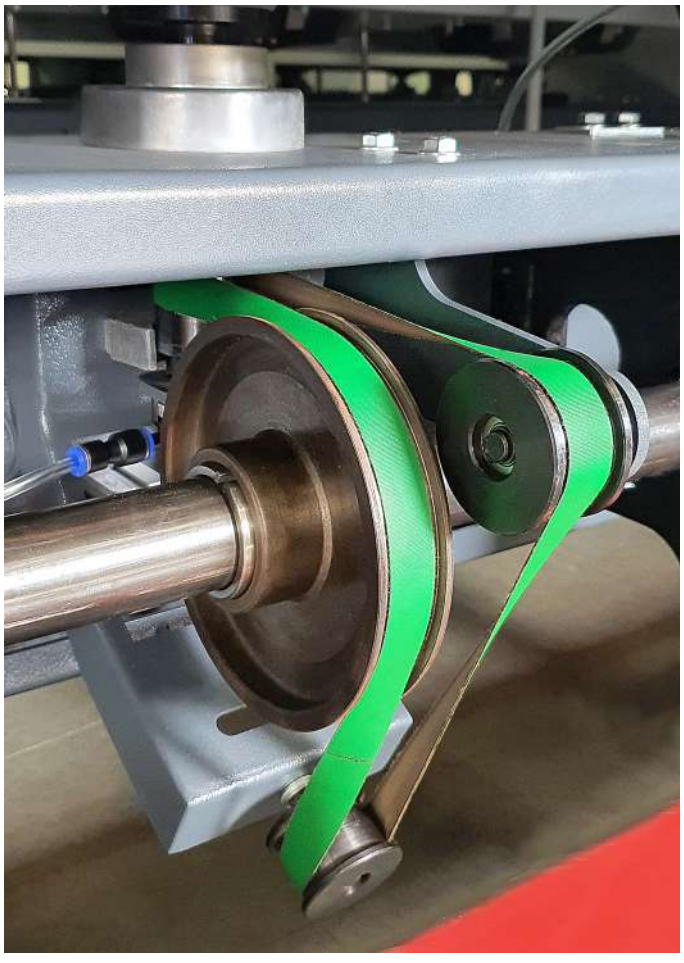
Direct cabling is an innovative approach to creating multifold torque balanced filament yarns. It is a single-stage process in which two yarns are wrapped around each other without imparting turns or twist to the single yarns.

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

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

- Lowest Energy Consumption
- High on Productivity
- Easy to operate

FEATURES



INDIVIDUAL SPINDLE TAPE DRIVE SYSTEM

- Fully Inverter Control Drive
- Individual Spindle Tape Drive System is designed to provide absolute reliability and ensures precisely synchronized running of all the driven spindles.
- Individual Spindle Tape Drive System not only contributes to the saving of electricity it also ensures that all of the driven spindles run precisely synchronised.
- Individual Spindle Tape Drive System allows Automatic Spindle stop in the event of yarn break for that particular spindle.
- Further due to Individual Spindle Tape Drive System higher speed and Higher denier can be achieved, means high Efficiency.
- Due to Individual Spindle Tape Drive System Any spindle can be shut down via multifunction switch adding to reduce wastage and production control.

EASY TO OPERATE BUTTONS / PANEL

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.

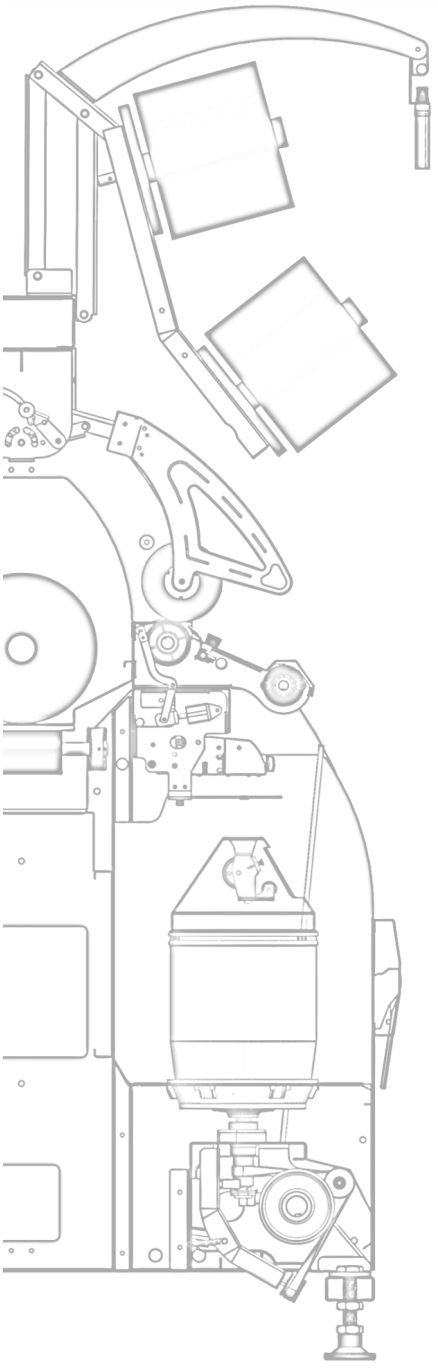
The production parameters entered can be stored in an Article library and called up whenever required. Advance Reporting available like, delivery speed, operating hours, Spindle wise breakage report, production, operator Efficiency etc. The computer is equipped with a usb Connection.

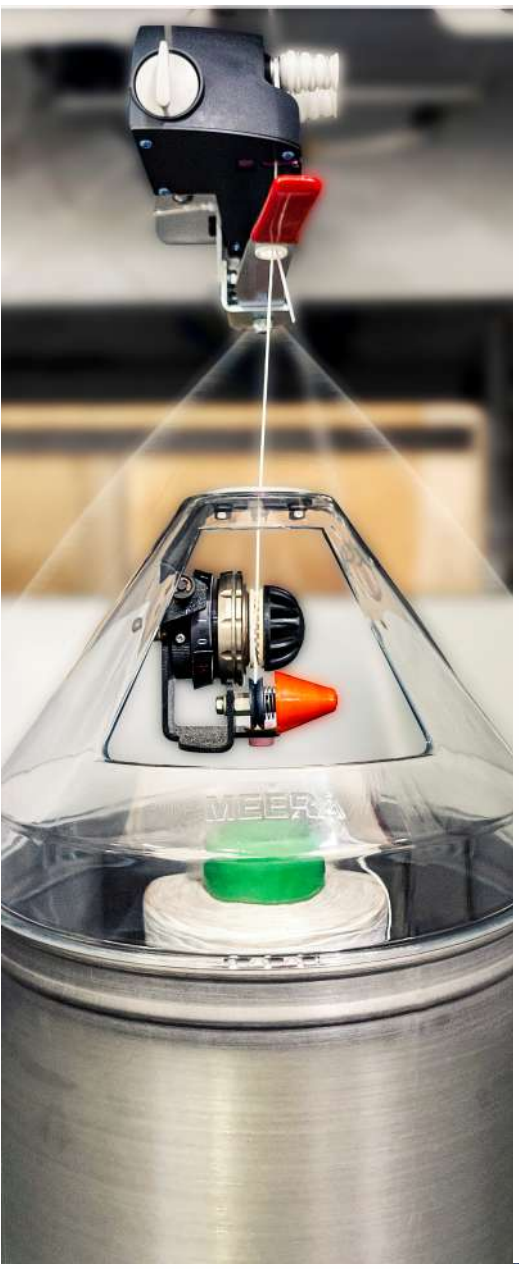
EASY TO OPERATE BUTTONS

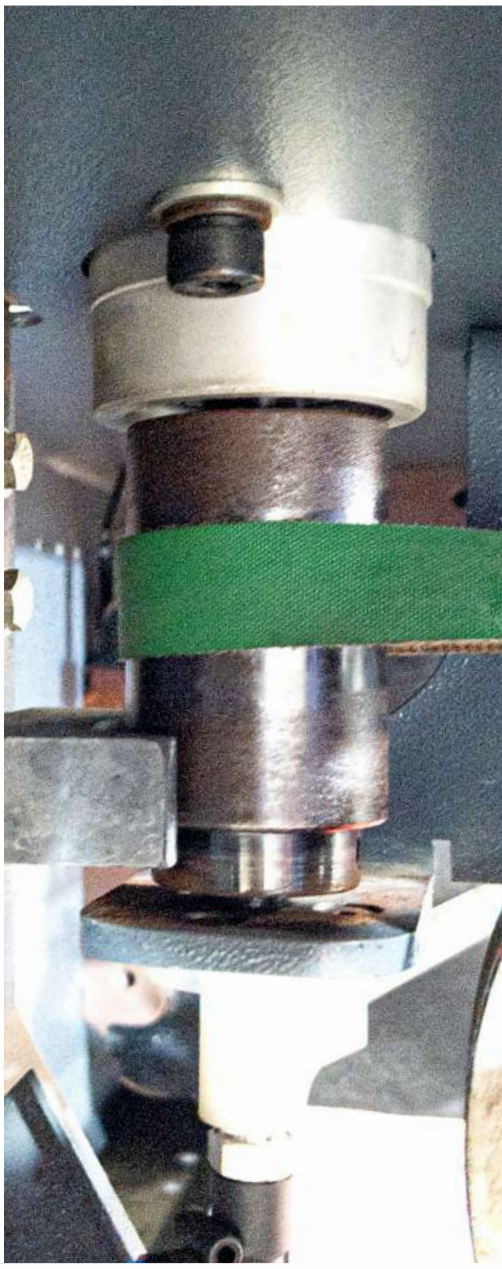
- Easy to operate Buttons on the face of machine.
- Start button
- Stop button
- EMERGENCY STOP mushroom button
- Pressure indicator For Air Threading
- S/Z Twist Switchover Button

MECHANICAL HI-LO CREEL WITH TUBE HOLDER

- Spring supported Creel
- Simple high/low operation
- Sturdy and reliable
- Optimized yarn path
- Creel fitted with Empty Tube holder for fast replacement of tube during doff time adding to ergonomics and high productivity.







PNEUMATIC DEVICE FOR YARN BREAKAGE HANDLING

Events of yarn Breakage, Yarn Completions, are controlled by pneumatic device These events are clearly indicated by a individual visible signal.

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.

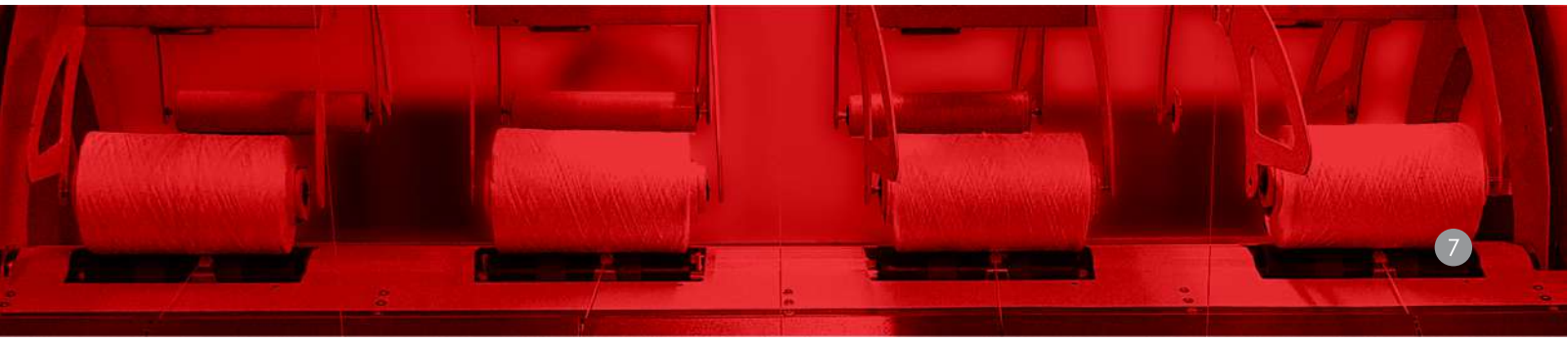
This prevents rubbing on the wound yarn surface and safeguards the original quality of the yarn

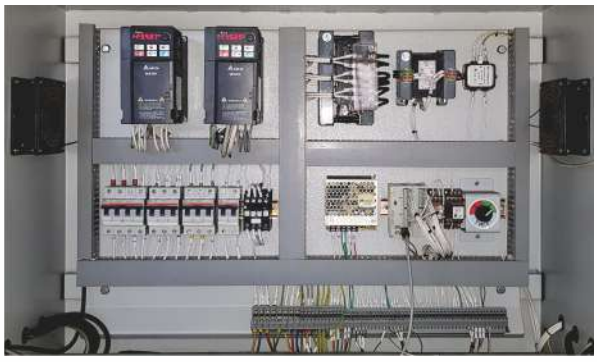
AIR THREADING SYSTEM

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

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

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





FULLY INVERTER CONTROL DRIVE

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

OVERFEED COVERS PROVIDED FOR OPERATOR'S SAFETY

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

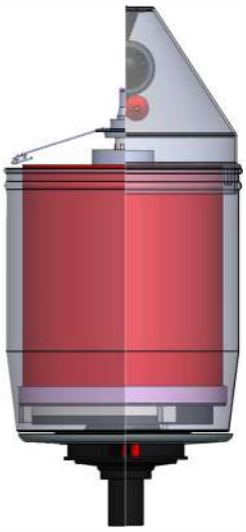
BUNCHING FOR TRANSFER TAIL

Auto Bunching device facilitates the winding of the transfer tail. The groves 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. .

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

FOUR BAR HEAVY CRADLE DESIGN

Four Bar Heavy Cradle design allows large Knotless takeup Package upto 400 MM and 10-12 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.



CONVERTING BETWEEN DIRECT CABLER TWISTER

Hollow-shaft spindle allows the simple conversion from the two-for-one method to the cabling method and vice versa.

ENERGY SAVINGS SPINDLES

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

Spindle / Pot Size have a direct impact on Energy consumptions. Variety of Spindle options to choose for various Denier and Feed Package size. Available Pot Size are 190, 210, 260, 300

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PACKAGE CONVEYOR BELT

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.

HYSTERESIS BRAKE

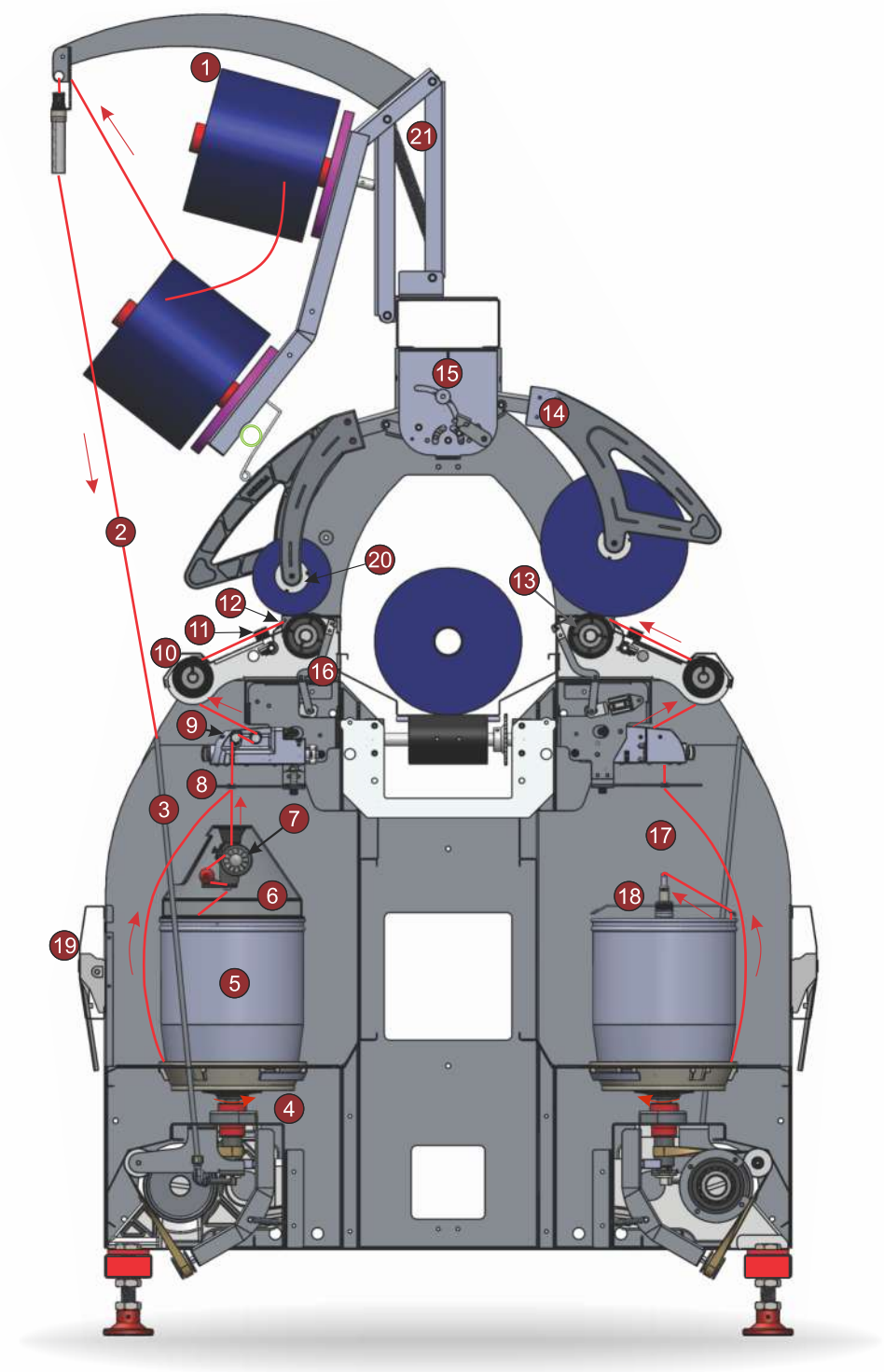
Calibrated, high-precision hysteresis brakes have been specially developed for processing carpet yarns in the direct cabling process.

They are designed to accommodate the entire customized count range of the yarn grades likely to be processed.

CARPET CABLER TWISTER

CT-240

1. Yarn
2. Yarn Path
3. Yarn Guide Tube
4. Spindle Tape Drive
5. Spindle Pot
6. Spindle Top
7. Hysteresis Tensioner
8. Yarn Balloon Guide
9. Pneumatic sensor cutter assembly
10. Overfeed Roller
11. Bunching Roller
12. Traverse Guide
13. Take-up Drum
14. Cradle Assembly
15. Cradle Pressure Mechanism
16. Package Lift Off
17. Seperator
18. Yarn Break & Flyer Assembly
19. Knee Pedal For Air Thread
20. Tube Holder / End Cap
21. Hi-Lo Creel



Machine lengths spindle gauge 420-5, CT-210

Number of Spindles	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Machine Length MM	3550	5680	7810	9940	12070	14200	16330	18460	20590	22720	24850	26980	29110	31240	33370

Machine lengths spindle gauge 450-4, CT-240

Number of Spindles	8	16	24	32	40	48	56	64	72	80	88	96	120	160	176
Machine Length MM	3330	5160	6990	8820	10650	12480	14310	16140	17970	19800	21630	23460	28950	38100	41760

Machine lengths spindle gauge 525-4, CT-260

Number of Spindles	8	16	24	32	40	48	56	64	72	80	88	96	120	160	176
Machine Length MM	3630	5760	7890	10020	12150	14280	16410	18540	20670	22800	24930	27060	33450	44100	48360

The overview shows an overall working range, depending on the machine specification there may be restrictions.

Twist range:	Cabling Twisting	21 - 800 t/m 21 - 800 t/m
Yarn Denier range: (depending on spindle type)	Cabling Twisting	600/2 - 2400/2 (1200-4800) denier
Spindle speed:		up to 8,000 rpm
Take-up speed:		Max, 120 m/min

Packages	**Model CT-210** Pot feed package	**Model CT-240** Pot feed package	**Model CT-260** Pot feed package
Winding Stroke:	250 mm	250 mm	250 mm
Max. feed package diameter:	225 mm	260 mm	285 mm
Max. tube length:	290 mm	290 mm	290 mm
Min. inner tube diameter:	73 mm	73 mm	73 mm
Net yarn weight:	approx. 8 Kg	approx. 10 Kg	approx. 12 Kg