

One Step Twisting and Winding



direct twisting + precision winding

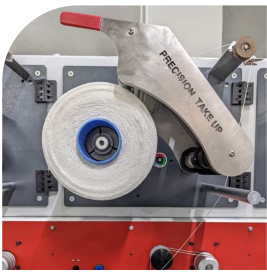
Multifilament, Monofilament, Tape & Staple Yarns

DTX Series is an automatic twisting + precision winding machine is a result of our long time twisting and winding experience to increase productivity and quality for technical textiles processes.

MEERA
FUTURISTIC TWISTING

direct twisting + precision winding

MEERA's direct twisting + precision winding is a hybrid Model made for direct twisting of PP Tape, Raffia and Multifilament, Monofilament and Staple yarns. Yarn Produced are with **exceptional quality**, high package density achieved with **high-speed** precision winding ensuring top performance in post processes.



Control panel

at the winding head for individual position start/stop, manual changeover, and mandrel locking/unlocking. The integrated LEDs indicate the position status.

Modular design, Individual motor and individual position metre counting control system with, safety features.



Perfect precision

wound bobbin. This precision winding helps to reduce waste, increases the efficiency and consequently productivity at post processing stages in technical textiles processes.

Constant tape tension, adjustable Spring Pressure Mechanism, precise winding ratio, are important feature.



The New Human Machine

graphical user interface allows to control, monitor and analyse the individual Position. Recipe can be stored with parameters like TPM, Winding Tension, Speed, Overfeed Ratio, etc.

Tapering, Package diameter, Package density, Soft edges, Package metering, for Take-up package.



Twisting and Winding

Options. Wide Range of models available for Single Two For one Twisting and One Step S/Z Twisting (TPRS) for Sewing Threads, Twines, Cotton Twines Fishing Twines etc.

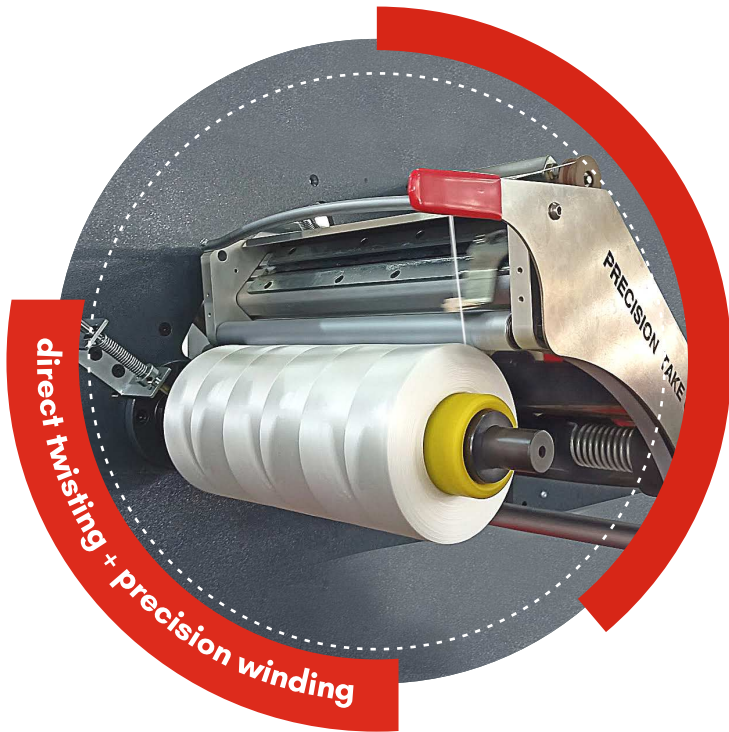
Take-up Package available in interchangeable conical and parallel shape.



Wide Range of Yarn

Application. Fibrillated, Non Fibrillated, PP Tapes, PE Tapes, Multi filament yarn made from PA, PES, PP, PE, Monofilament Yarns Aramid Yarns, Staple Yarns Hybrid Yarns etc.

Yarns for sewing Threads, Technical Textiles, artificial grass, baler twine, cotton twine etc.



Advantage

- High Speed Twisting and Precision Winding
- Excellent Package Quality
- Low Energy Consumption
- Increased Post Processing Efficiency
- HMI with graphical user interface
- State-of-the-art frequency converters
- Centrally / Individual adjustable tape tension
- Automatic motor switch-off
- Lubrication-free traverse system
- High safety standards and CE certification
- Integrated engineering for longer lifetime
- Simple maintenance
- Reduced labour costs
- Reduced waste



Technical Data

| | |
|-----------------------------------|--|
| Pot diameter | 260 mm 300 mm |
| Denier range | 600 - 20,000 |
| Winding type & speed (mechanical) | Precision winding with 150-400 m/min |
| Winding ratio setting | Mechanical with upto 32 crossing ratios |
| Max. package diameter | 300 mm |
| Max. Length of traverse | 250 mm |
| Max. tube / bobbin core length | 300 mm |
| Bobbin core / tube Inner diameter | 26 - 110 mm |
| Tape width Range | 1.8 - 6.0 mm |
| Gauge | 600 900 |
| Spindle speed | 6000 rpm |
| TPM / TPI | 20 to 150 tpm 0.5 / 4 tpi |
| Take-up tube type | Parallel cylindrical, Conical, Tube less |
| Oiling device | Optional |
| Frame | 260 mm - Double-sided section with 4 spindles each side 300 mm - Double-sided section with 3 spindles each side |