

## TWISTFIX



### Fiber and yarn modular coating machine

- The TWISTFIX range of MODULAR machines are designed to impregnate, to dry, to spread and to wind filaments, yarns, fine cords, tapes or bands. The machine can be adapted to any particular feature that the customer may need. We can distinguish five process steps with different possibilities.
- UNWINDING
  - CREEL pulled from the top with yarn guide and small tension device.
  - UNWINDER (for spreading only) feed roller rolled off from a bobbin.
- IMPREGNATION:
  - By immersion tank:
    - With manual adjustable to get more or less impregnation.
    - A pump transfers the solution from a main tank (any container that the customer may already have) and keeps the solution level constant.
  - By kiss-roll:
    - Two driven rollers transfer solution from the tank as it turns. The material is pressed against the top part of the rollers and is impregnated.
- SPREADING
  - The filaments in the tow are spread.
- DRYING:
  - Drying tunnel with infrared lamps.
  - Tunnel with forced hot air.
  - Different lengths for the tunnel are available.
- TAKE UP
  - Winding: several independent heads of winder.
  - Twisting: connection to ring twisting machine with different plies.
  - Tape winding: after spreading the tow wound as a tape.



# TWISTFIX

## TECHNICAL FEATURES

### POSSIBLE MODULES



### OPTIONS

CREEL

KISS ROLL

SPREADING

INFRARED

TAKE UP  
WINDER

UNWINDING

IMMERSION  
TANK

DRY AIR

TWISTER

### PRODUCTS TO BE PROCESSED

- Several yarns are processed simultaneously and wound separately.
- Twisted or non-twisted synthetic yarns.
- Narrow fabrics or tapes.



TWISTECHOLOGY reserve the right to modify the dimensions and the technical details of the machine, without notice.