

# Wire Technology & Machinery



High-precision taping line, specifically designed for the production of TWINAXIAL CABLES with low-loss and high transmission speed rate. The line covers the requirements for the production of cables used in Data link layer, SFP+, Ethernet, SATA, Display-Port, etc.

The taping modules, linked electrically with the double wheel capstan and served by high precision pay-off units, assure the perfect wrapping of the cores, also coupled with the drain-wire, with the application of the screening and the sealing tapes.

The precision and the consistency of the cable are obtained thanks to the fully electronic wrapping heads equipped with WTM's patented DYNAMIC dancer. The line has been designed to guarantee the most accurate tension control of both wires and tapes despite the non-regular shape of the cable.

## HORIZONTAL SCREENING AND SEALING LINE FOR "TWINAX" CABLE



The line is equipped with in-line oven/s to be placed and set according to the final product requests. Moreover, a longitudinal taper can be added.

A comprehensive quality control system by means of laser-gauges, VISIO SYSTEM® (by camera), load cells can be integrated in the line for the production of the cables with the possibility of data collecting in order to manage a complete final product certification.

WTM supports the Customers in the choice of the correct solutions, according to the specific production needs, in the wide range of different TWINAXIAL cable constructions.

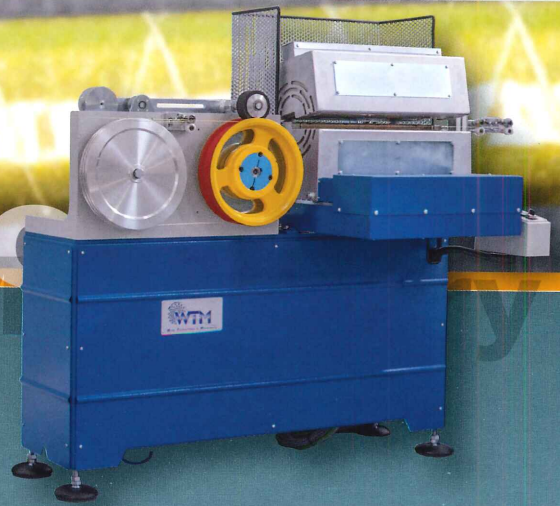


### Applications:

- Switches/Routers/HBA/Base Station
- Networks & Storage Devices
- ATM/SDH/SONET
- Fiber Channel
- Infiniband SDR/DDR/QDR
- 100Gbit Ethernet
- SFP+ Direct-Attach Copper (10GSFP+Cu)
- SATA 3.0 cables
- DisplayPort
- MIL-STD-1553



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## Technical data

Cable dimension	22 – 36 AWG
Line speed	0 – 10 m/min
Wrapping tension	From 3 to 15 N
Pitch range	1,5 ÷ 10,0 mm
Pitch adjustment resolution	0,01 mm
Wrapping precision	+/- 0,1%
Available take-up and pay-off	DIN 100 – DIN 630

## Other options:

- Laser gauges and load cells
- Strobe-lamp automatically synchronized with the rotation of each head
- Tele-service system for remote connection by internet access
- VISIO SYSTEM® by camera for in-line inspection and measuring
- PC-based control system

All the characteristics can also be personalized on customer request.  
All technical characteristics may be changed without prior communication.

## Main characteristics:

- Absolute wrapping accuracy with DIRECT control of the tape tension during wrapping process.
- Extreme sensitivity of pay-offs for highly precise and stable tension control in both drain-wire/s and cores.
- Pulling unit by means of double wheel capstan.
- Take-up, torque controlled, provided with traversing system for precise wire distribution.
- Digital electronic control system with possibility of intranet and internet connection for remote assistance.
- In-line quality control by means of laser gauges, VISIO SYSTEM® (by camera), load cells with possibility of product certification and reporting.

