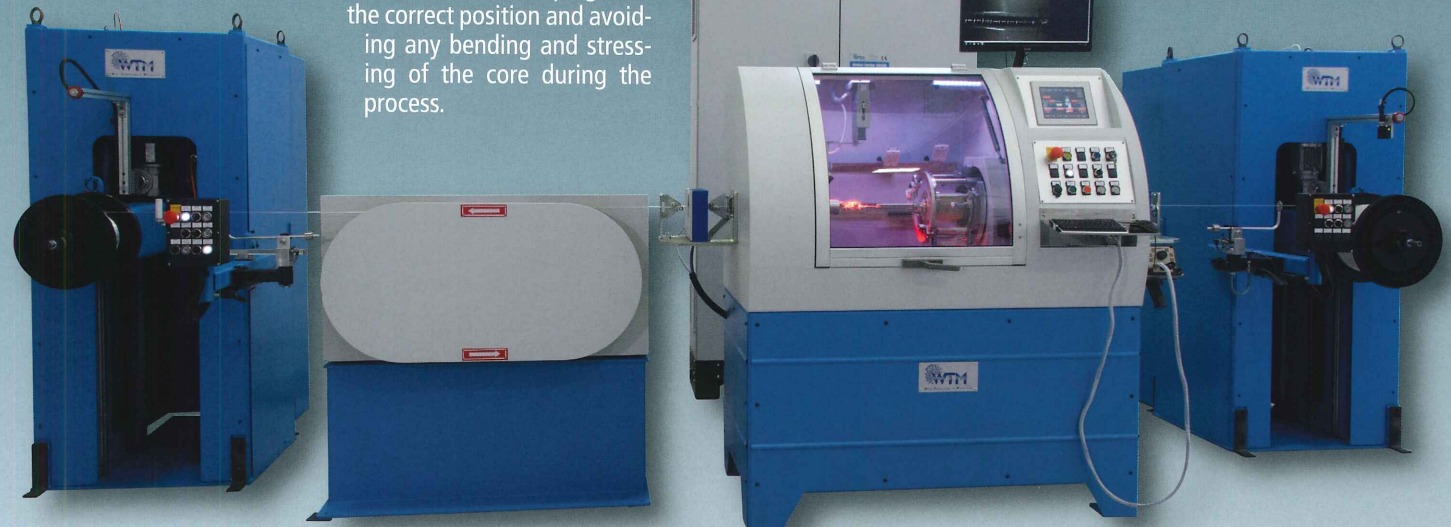


Wire Technology & Machinery

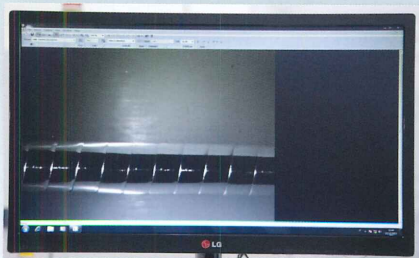


High-precision tapping line, specifically designed for the production of flexible microwave coaxial cables with low-loss and high phase stability. The machine covers the requirement for the production of low-loss microwave assemblies used at high frequencies in different applications: aerospace industry, telecommunication technology, aircraft applications, video and computer systems, military equipment, medical systems, etc. The wrapping module, linked electrically with the combined pulling unit, guarantees the perfect application of the silver-plated strip over the insulated core. All this is obtained thanks to the unique tapping process, by means of the fully electronic wrapping head provided with WTM's patented DYNAMIC dancer. The line has been design for the most accurate tension control of the wire, keeping it in the correct position and avoiding any bending and stressing of the core during the process.



The control system is fully digital, by electrical axis and field-bus communication. The machine is easily managed by a color touch-screen panel.

WTM supports the Customers in the choice of the correct solution according to the specific production need, in the wide range of high frequency coaxial cables.

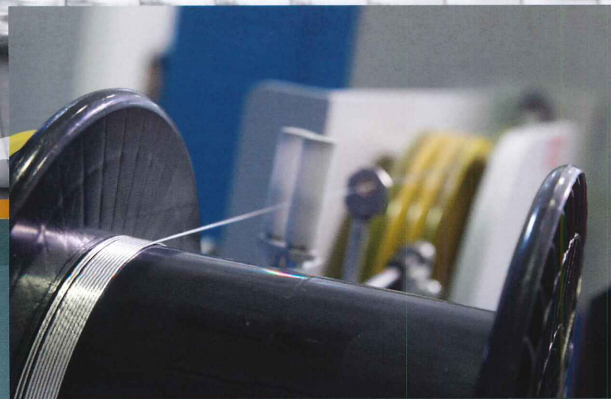


Main characteristics:

- Absolute wrapping accuracy with possibility of cable calibration.
- Highly precise application of the tape, with stable tension control.
- Pulling unit by means of caterpillar, capstan or combined (caterpillar+capstan).
- Pay-off and take-up units acting in torque control.
- Wire-guide device for pay-off and take-up with traversing movement.
- Automatic levelling reel movement for keeping the wire straight along its path.
- Digital electronic control system with possibility to connect to the internal network and to internet for remote assistance.



Wire Tech

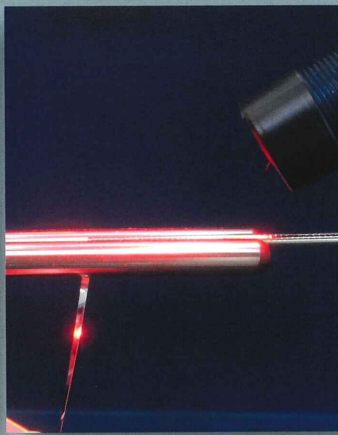
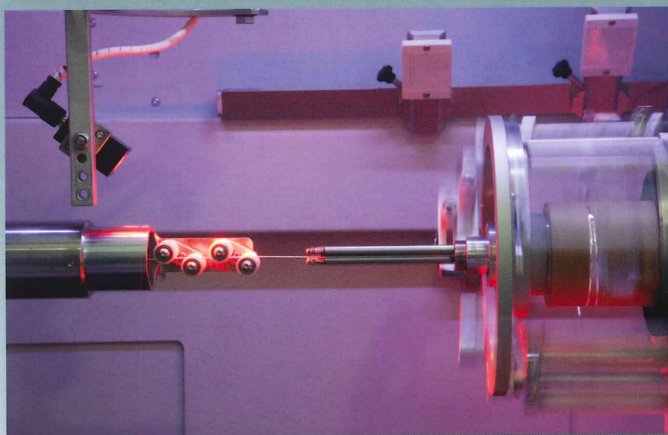


Technical data

Round core diameter	0,5 – 10,0 mm
Line speed	0 – 10 m/min
Wrapping tension	From 3 to 15 N
Pitch range	0,5 ÷ 10,0 mm
Pitch adjustment resolution	0,01 mm
Wrapping precision	+/- 0,2%
Available take-up and pay-off	DIN 100 – DIN 800

Other options:

- Laser gauges and load cell devices for total in-line quality control
- 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 other software utilities
- PC-based control system



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

