

STRANDING AND TAPING

RollerTwist®, THE ULTIMATE STRANDING TECHNOLOGY Innovative technology to combine high production speed and cable quality

CONDUCTIX Delachaux RollerTwist stranding machines rely on a unique technology and are ideally suited for sensitive applications, when cable integrity must be combined with high production output.

Typical applications can be found in :

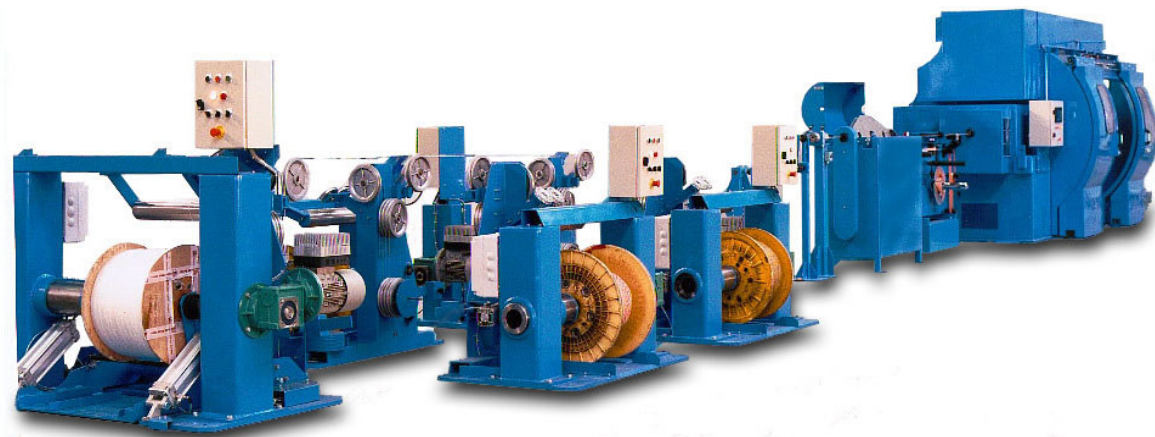
- data & telecommunication cables
- signal cables
- control cables
- LV power cables
- composite cables
- any special construction

Taped cables and fine wires are perfectly handled by RollerTwist lines. **Cat6 and Cat7 LAN cable production at 200 m/min** is currently achieved by world leading cable manufacturers.

Main features are :

- minimum investment because of high productivity. Typically 3-4 times more than a ST machine, twice more than a DT machine.
- unique technology for handling sensitive wire assemblies
- wide range of applications
- robust and reliable mechanical construction, compatible with demanding 24/7 production environment

Over 50 Rollertwist lines were delivered in the last years to leading cable makers in Europe, America and Asia. The technology is marketed since the 1970s, formerly under Godderidge name.

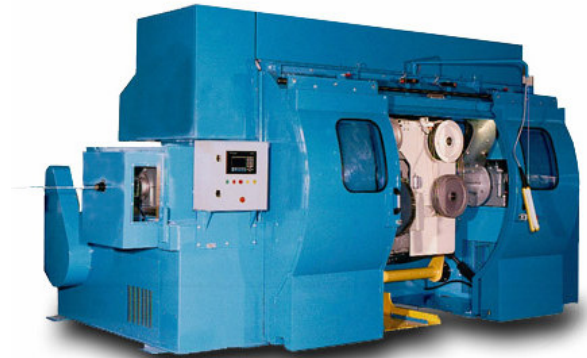


STRANDING AND TAPING

The Rollertwist technology combines the smooth, regular and harmless stranding quality of a single-twist strander with the intrinsic high speed of a double-twist strander.

The Rollertwist technology features a double-twist machine layout with a proprietary tilting rollers design, resulting in the cable being twisted in one single step at the machine input and thus avoiding the harmful effect of two successive twists.

This feature, combined with a constant and accurate tension control, allows the Rollertwist to handle taped cables or fine wires without any damage and with perfect lay length control



RollerTwist 1000 stranding machine

RollerTwist series main specifications

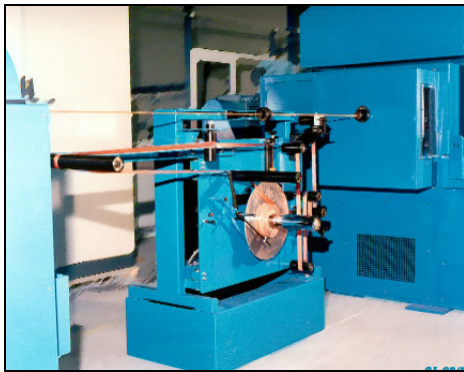
	RT1000	RT1250	RT1650
Stranding diameter	20 mm	25 mm	30 mm
Number of twists	1500 min ⁻¹	1200 min ⁻¹	800 min ⁻¹
Production speed	200 m.min ⁻¹	200 m.min ⁻¹	200 m.min ⁻¹
Lay length	min 7 x Cable Ø	min 7 x Cable Ø	min 7 x Cable Ø
Spool dimensions	DIN 800 – 1000	DIN 1000 - 1250	DIN 1250 - 1650
Drives	bow + capstan + spool	bow + capstan + spool	bow + capstan + spool
Lay length control	electronic	electronic	electronic
Spool loading	electric	electric	electric

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Taping & binding

Longitudinal or concentric (helical) taping and binding machines for application of metal, plastic, paper, non-woven, composite tapes. Up to 2000 rpm and 200 m/min

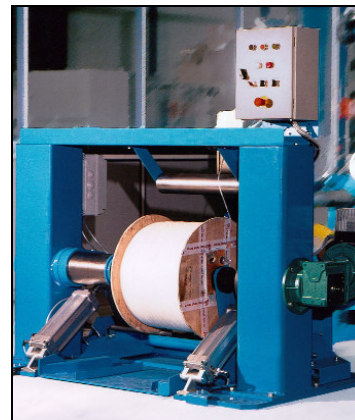
Fine tension control allows use of smooth or weak tapes.



Pay-off, take-up, ancillary systems

Complete offering, from 300 to 3000 OD spools : driven, undriven, gantry, stand pay-offs ; single and dual take-up with automatic changeover at full speed. Proprietary control system for perfect autotraversing on large spools.

Complete range of capstans and caterpillars, accumulators, etc.



DELACHAUX mission statement is to design and manufacture innovative equipment and systems that ensure true competitive advantage to the production process of our Customers. We treat our Customers as partners with whom we establish close and confidential cooperation over a long term period.

Markets served are fiber optic manufacturing and testing, fiber optic cables production, stranding and taping of copper wires and cables, insulation and jacketing.

The company is based in Belley, France with sales and service offices in the USA and China.

DELACHAUX cable and fiber activity belongs to the DELACHAUX group, an international industrial group with leading market positions in conductive, railway and metal businesses.

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