

SILICA FIBER OPTIC

FIBER OPTIC PRODUCTION

CONDUCTIX Delachaux has gained over the past years an extensive know-how in fiber optic manufacturing equipment, including draw towers, prooftesters, UV coloring machines and various ancillary equipment.

Many leading fiber producers in Europe, Asia and the USA are using CONDUCTIX Delachaux equipment. About 400 draw towers, prooftesters and coloring machines were delivered in the last years.

Precision mechanical components, rugged construction and advanced computer control systems ensure the highest level of performances, while providing the necessary reliability for the demanding 24/7 production environment.



Draw tower top section : the glass perform is being heated in the induction furnace

DRAW TOWERS

Complete equipped draw towers of modular design, up to 30 m height, single or dual sided frame, compatible with a broad range of glass or plastic performs.

Precision mechanical components and advanced computer system provide perfect fiber alignment and diameter control.

Typical scope includes preform feed unit, proprietary induction furnace, pressurized coating units (wet on wet or wet on dry) and UV curing lamps, auxiliary and main capstan, non-contact tension measurement, diameter gauging units, automatic dual take-up and global process control and supervision.

PROOFTESTERS – REWINDERS

High-speed tension testing of the fiber by applying a calculated speed difference between two capstans. Line speed up to 2500 m/min. Comply with EIA/TIA standards.

Feature automatic traversing and tension control at pay-off and take-up, proprietary anti-whipping devices, length counter, optional zero-tension rewinding and automatic threading.

Modular design according to spool sizes. The prooftester and coloring unit can be tandemized in one single machine. Rugged mechanical construction, compatible with 24/7 production environment.

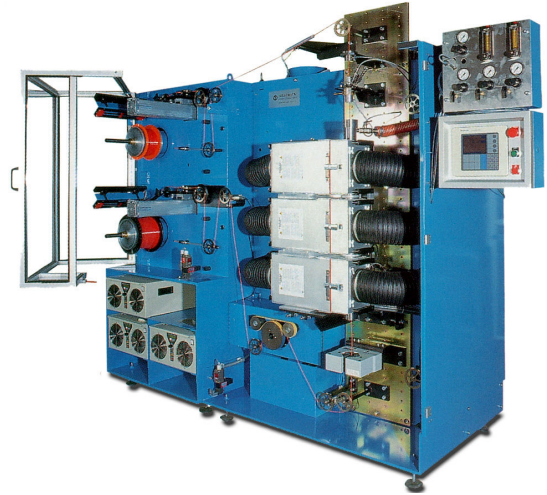
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UV COLORING MACHINES

Modular coloring machines for coating the fiber with UV-curable inks or new tight buffer material.

Vertical layout for optimal coating concentricity. Several configurations and line speed according to Customer's needs and requested curing rate.

Rugged mechanical construction, quick setup and exclusive quick color change feature. Fully PLC controlled. Automatic off-line cleaning.



ANCILLARY EQUIPMENT

Includes main and auxiliary capstans, single and dual take-up up to 2500 m/min, furnaces, noncontact tension gauge, etc.

Coloring machine fitted with 3 UV furnaces

CONDUCTIX 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 agents Worldwide.

CONDUCTIX cable manufacturing equipment division belongs to the DELACHAUX group, an international industrial group with leading market positions in conductive, railway and metal businesses.

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