



New Textile Laboratory for research, production of yarn samples and small lots of specialty yarns with the latest generation of spinning machines



OPTIMAWrap - Wrap chenille yarn machine wrap chenille yarns - Direct take up on cone chenille machine

OPTIMA wrap is a machine designed and built to produce wrap chenille yarn. The OPTIMA wrap is the only chenille machine that direct take up on cone the chenille yarn and check it during the manufacturing process. Quality control of the yarn is made by optical sensors CMC mounted on the machine. The advantages of this machine are countless and chenillehere below there list the most importants:

- Complete elimination of the winding department, is no longer necessary to wind chenille yarn produced by the winding machine!!!
- Quality yarn control by optical sensors (CMC) during the manufacturing process of the chenille.
- Production speed about double compared to a traditional chenille machine.
- Reduced labor almost 50%.
- Greater resistance of the yarn produced which results to be particularly suitable for weaving.



ROTOSoft High Bulky yarn machine (spinning machine for the production of high-bulk yarns)

ROTOSoft is a machine designed and built to produce high bulky yarn. The ROTOSoft was born from the continuous research of Giesse and the experience accumulated over the years for fancy and chenille yarn machines up to design a new machine that would produce an innovative yarn was the ROTOSoft. The ROTOSoft can work from roving to one color or two colors, thanks to the increased diameter-stripping roller can treat long and short fibers with the same quality. Every 4 time the ROTOSoft is able to produce different yarns.

GIESSE GROUP offers itself not only as supplier of machinery but also as a partner of its Customers for: Technical, mechanical and electronic service for installed machines. Technological consultancy for optimizing the use of machinery. Reconditioning and updating of installed machinery in order to maintain it in full efficiency. Mechanical, electronic and technological training courses for upgrading the qualifications of the Customer's personnel.

Research and Development

GIESSE GROUP is famous for its know-how in the design and production of machines for fancy yarns, in particular "chenille", and for the high quality of the machines produced. All the machines are the outcome of considerable investments in R&D and of collaboration with the major customers and specialized bodies such as the Department of Mechanics and Industrial.



OPTIMA/OPTIMA eco Chenille yarn machines (Spinning machine for the production of fine chenille yarns- Chenille cut machine)

OPTIMA is a machine designed and built to produce standard and slub/flamè chenille yarns. Can manage count up to 18 Nm (500 Den) and it can also produce chenille slub randomize. The OPTIMA produces different yarn every 4 positions and thanks to the new mechanical little frame has a significant reduction of maintenance compared to traditional machines for chenille. The OPTIMA, version - eco, features motorized spindles which reduce the electricity consumption of the machine up to a 40% than the standard version of the OPTIMA. With the motorized spindle customer have the advantage of a considerable reduction of the consumption of electrical energy and a drastic reduction in noise. The motorized spindle of the OPTIMA model - eco does not have transmission belts, idlers and bearings to transmit the motion to the spindles, so maintenance is almost close to zero in addition to having a very high precision of rotation of the spindles.



INNOVA MF/MS Fancy yarn machines (Spinning machine for the production of all kind of fancy yarns)

INNOVA is a machine designed and built to produce specialty high quality fancy yarns. Innova can process yarn (Model MF) or roving/finishing (Models MS1-2). Thanks to the modularity of the project, a single machine can produce yarns from yarn to roving/finishing and also have the possibility to prepare some modules with take up on bobbins and others with take up in cops. Thanks to its modularity, the customer can start producing fancy yarn with minimal investment and decide to extend the same machine adding more modules also with different configurations that meet the interest of the market.



G2010/5 Continuous steaming machine for chenille yarn treatment (Finishing machine to increase the roundness and softness of the chenille yarn)

The continuous steaming mod G 2010/5 was designed and built for the treatment of chenille yarns, especially for Polyester chenille yarn, but is capable to treat natural fibers as well as, artificial or synthetic fibers. With the treatment by continuous steaming mod. G 2010/5 chenille increase volume becoming rounder and voluminous and naturally soft to the touch.