

New Addition in Yarn Manufacture Laboratory

DirectTwist multi-functional cone to cone yarn twisting machine manufactured and supplied by M/s AGTEKS LTD., Turkey is installed and commissioned in the Yarn Manufacture Laboratories of the department on 11 November 2009. It is very valuable for teaching the different twisting techniques to students and for research and development projects for technical textiles and fashion industry.



The highlights of DirecTwist are:

- Possibility of doing the same jobs of Two-for-one twisting, Hollow spindle covering, Ring twisting, Fancy twisting, Lycra twisting, Direct cabling, etc. processes just in single operation without doubling or rewinding jobs on the same machine.
- With the standard configuration, it is possible to twist wide range of yarn types such as; Cotton, wool, nylon, polyester, viscose, aramid fibers etc. even metallic yarn.
- With the optional Lycra feeding device with programmable draft, it is possible to twist Lycra together with any kind of yarn.
- All the individual spindles run independently from each other even all the parameters can be selected independently such as S-Z direction, speed, twist amount etc.
- 8 yarn holders and 8 electronic yarn break sensors on each spindle makes possible twisting of up to 8 yarns in one spindle as standard.
- The wide range of total thickness of the twisted yarn is between 90-4500 denier (2-100 Nm) which makes possible to produce any kind of combinations