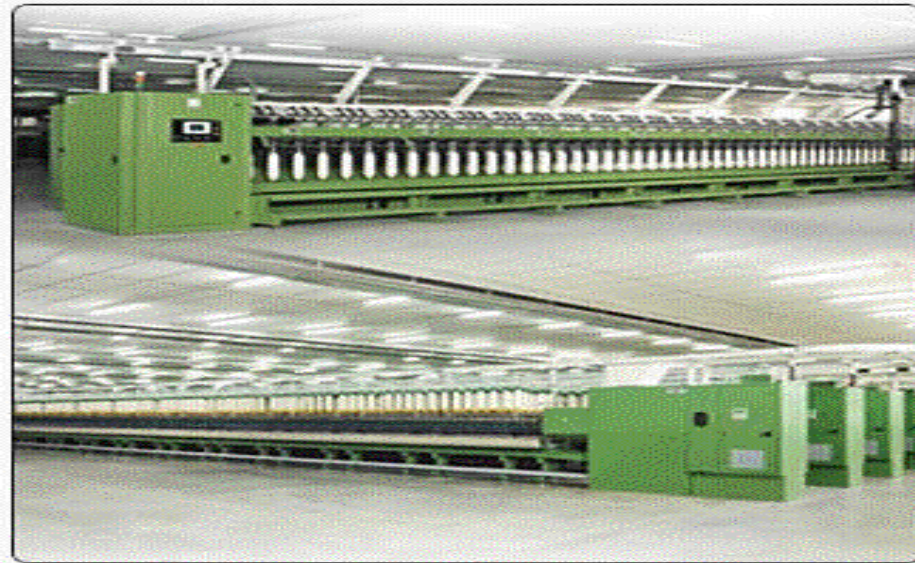


## TECHNOLOGY TREND IN SPINNING



RING SPINNING SYSTEM

- The quality yarn produce quality cloth.
- The prime focus is to produce quality yarn with optimum cost by adopting state of the art technology.
- The increased trend in spinning is towards automation, the use of patrolling mechanical piecer, the electronic scanning devices for broken ends at ring frames. The electronic control of material input in chute feed cards, autolevellers at cards and draw frames, electronic or mechanical stop motions at high production carding, automatic change of cans, automatic stop motions at fly frame, electronic scanning devices for broken ends at ring frames have become common features.
- The other trend in spinning is improved opening and cleaning systems for fibres. The importance of having gentle but thorough opening to facilitate subsequent cleaning without too harsh a treatment, and also of homogeneous blending of feed material has been realised. Almost all manufacturers now offer automatic plucking devices which pluck small tufts of the fibre material from large number of bales in the desired blend proportions. In many systems the opened cotton or other fibres is fed to a number of vertical trunks with large storage capacities and then sandwich blended for medium to long –term blending homogeneity. With very efficient preliminary opening and tuft blending the amount of cleaning treatment is substantially reduced. Drastic treatment such as use of Crighton, porcupine and bladed type of beaters are therefore on the decrease although they are still needed for dirty cottons.
- Researches revealed that the production of yarn by conventional ring spinning system is no more economical whereas the new processes of yarn manufacturing give several times more production and quality also comparable to that of ring spun yarn.