

Roller-Air Automation will be less complicated than on Rotor machines

Spinners will enjoy similar labour cost savings
Also yarn can be sold direct off the machine
No expensive re-winding to remove knots

The Autocoro's robotic mechanisms for piecing together (splicing) after a yarn-end break and the automatic re-start of the spinning process will be simplified - see schematic below.

Immediately a yarn-end break occurs during spinning, Roller-Air's pneumatic system automatically executes internal self-cleaning of the spin-box. This feature, allied to not needing to power-down, reduces and greatly simplifies what the automatic robotic-piecer needs to do when a yarn-end break occurs on a rotor spin-box.

Thus making for a much simpler robotic system of labour-saving automation than those incorporated on modern rotor-spinning machines. These being the rotor machine's automation features of a travelling robot to :-

- (a) power-down and carry out spin-box cleaning after a break-down in spinning;
- (b) mechanically piece yarn-ends together by a knitting/weaving industry acceptable fault-free method of fibre-interlacing, otherwise known as piecing or splicing;
- (c) automatically restart spinning after yarn piecing; and
- (d) replace completed yarn packages with empty bobbins and start spinning.

