

- Fully flexible configuration
- High-speed spinning
- Variable speed control
- Windows operating interface
- Roller and spindle speeds adjustable when running or stationary
- Drafting systems supplied to suit cotton, worsted, synthetic, etc

WINSPIN is a sample spinning unit that is quite different to anything else on the market. WINSPIN is a fully flexible ring-spinning concept that is constructed to the specific requirements of the customer so that the yarns produced are representative of that produced in a full scale plant.

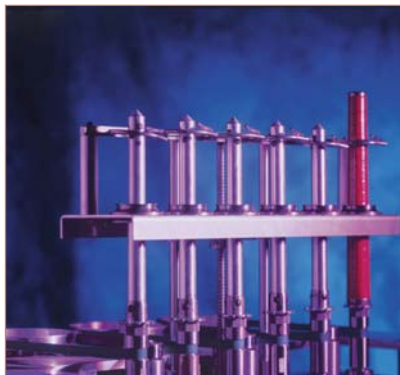
Ring spinning has progressed continuously over the years, yet laboratory spinning units available on the market have remained low technology items.

This situation has now changed with the introduction of WINSPIN, a fully flexible, small-scale ring spinning unit ideal for spin-testing, yarn development and product samples.

WINSPIN can be manufactured with critical elements designed to match those used in the customers' own processing plant. This means that you are not limited to the type and size of drafting system, spindles etc. From a technical viewpoint, you can choose to have the machine tailor-made to your exact requirements in respect to fibre type, yarn count, and the associated technical parameters determined by those choices.

Once your mechanical choices have been made, the real benefits of WINSPIN are evident.

WINSPIN is controlled by a fully integrated variable speed drive system that allows individual speeds to be adjusted via a Windows operator interface.



Draft rollers can be individually adjusted. Spindles (6 typically) have an independent variable speed drive to each pair. This means that it is possible to run three different yarn specifications at the same time with the additional ability to adjust parameters whilst the machine is running.

Speed is of particular importance with respect to the production of yarns that are truly representative of that produced in real production situations.

WINSPIN eclipses the capability of other laboratory spinning units by the incorporation of the latest electronic drive systems, enabling very high spinning speeds, up to 25,000 RPM. This covers the

range encountered in the majority of industrial situations whilst offering additional scope for many sectors.

Also Available:
WIRA Instrumentation can offer a range of bespoke sample machinery for product development, R&D and sample purposes. Contact us to discuss your requirements.

Typical description : cotton (actual specification is configured to suit individual requirements and yarn type.)

Drafting system - all standard systems available

Spindles - 6 high speed spindles drive in pairs

Drive - Latest AC variable speed drives to draft rollers and spindles

Tube height - to requirements. Std 180mm.

Spindle speed- up to 25000 RPM

Rings - High speed proprietary rings, dia to suit yarn count

Lift - 200-240 mm Twist range- up to 1600 TPM