

Terrot

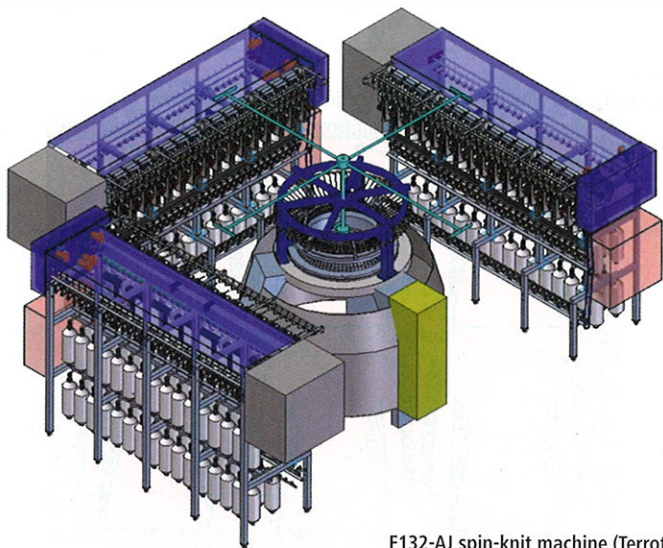
New direct spin-knit process

The stand highlight at ITMA, Barcelona/Spain from Terrot GmbH, Chemnitz/Germany was the F132-AJ (Fig.).

The direct spin-knit process uses an air jet spinning system. It does not mount the rovings, clearing or drafting units or indeed spin-

ning nozzles on the knitting machine. Instead it has a creel type arrangement on three sides of the machine which house the complete rovings to spinning process. In other words, yarns are spun by the side of the machine and then fed to it in the usual manner.

The F132-AJ spinning unit is compatible with



F132-AJ spin-knit machine (Terrot)



Melliand International 1/2012 29

Knitting

all Terrot single-jersey and double-jersey machines.

The direct spin-knit system is even suitable for high system densities and large diameters (up to 120 feeders) and can be used in gauges from E20–E36.

The spinning system, which is modular can be fitted with 24, 32 or 40 spinning heads

per unit and has an integrated flyer, integrated fluff removal and integrated monitoring process.

The fabrics have a top quality feel and look, a soft handle and good dyeability with rich colors. Elastane plaiting is also possible with the new Terrot system.

The F132-AJ has a speed factor of up to 600

(20 rpm, 30") and unfinished fabric output of up to 360 kg/24 hours (20 rpm, 30").

The new system offers the following benefits:

- 30–40% less required space
- up to 50% energy savings
- up to 30% less investment costs
- up to 50% less production costs.