

RITM: One step further in innovation

Today's production of textile and industrial yarns is a challenge requiring flexibility, creativity and market knowledge. With 100 years experience in yarn machinery, RITM (previously known under the brands Verdol, ICBT and Rieter FYT) is a major player in the field of textile machinery. RITM will present one of the most complete ranges for textile machinery at hall E 1, booth C50

Fine count processing

RITM offers the most complete range on the market of Texturing, Twisting, Covering, Assembling, Cabling and Rewinding.

- ❖ Twisting machines for embroidery and sewing thread applications.
- ❖ Single and double covering machines for hosiery, stockings, sportswear and technical yarns.
- ❖ Air covering machines for hosiery, stockings and sportswear.
- ❖ Combined machines to twist and shrink nylon yarn through thermal treatment.

Industrial Yarns

Since the launching of the UT 50 machine, back in 2005, RITM sets a reference for two-for-one twisting machines for industrial yarns. During last ITMA 2007 in Munich RITM showed the UTC 60 machine, bringing again more flexibility with the direct cabling equipments

For Techtextil North America 2008, RITM showed a combined process to produce twines and ropes up to 4mm in a one step high productivity process. The UT 50 machine was connected to a Twister Winder GS 2000 from the well-known rope machine manufacturer SIMA, from Italy. For the ITMA ASIA and CINTE Techtextil China shows, held in 2008 in Shanghai, a running. UT 50 was exhibited at the RITM stands. Now a 900mm spindle gauge machine is proposed for twisting heavier yarns, which increases the yarn count range up to 60,000dtex.

Glass Yarns

Shanghaitex will be the occasion to show off its latest improvements in glass yarn production, such as new motorized spindles, new motor-creels, improved doffing time, reduced chain yarn breaks and yarn external pollution and also "Quick UNIX" operating system.

Tire Cord: Inventing technology

With its experience built over decades and orders to be delivered in China, Taiwan, Indonesia, Eastern and Western Europe, USA and Brazil, RITM remains the major partner of the tire cord manufacturers all over the world.

The open pot technology, allowing tremendous labour cost reduction, gives direct cabling machines unrivalled ergonomic and keeps RITM one-step ahead.

The RITM CP machines are equipped as a standard with heat extraction system fully integrated in the machine frame allowing reduction on air conditioning cost and consequently finished yarn cost. With the latest technology used to optimize the Human Machine Interface, the CP 06 is equipped with a friendly self-explanatory touch screen, such as Chinese ones for example, where a user can switch back to English in one touch anyway.

The CP 10 machine with its individual inverter per spindle is definitively the best assurance of the speed stability and twisting accuracy and, in association with the inertia wheel concept, allows adjusting decelerating ramps in order to optimize the yarn quality even during power failure.

Carpet Yarns

The conversion of carpet fibers is today becoming very versatile, new yarn types are engineered and the integrated customers or converters need flexible and performing production equipment.

RITM has more than 30 years of experience in carpet yarns and is major player supplying machinery in the field of twisting and cabling for synthetic filaments and spun yarns. RITM will present at Shanghaitex the most complete product range of textile machinery on the carpet market namely:

CDDT 10 – Leader on Turkish and US markets

- ❖ Basic design with main spindle motors driven by inverters.
- ❖ Reliable spindle transmission with belts, with low maintenance cost.
- ❖ Fully suitable with new trends such as shaggy and super shaggy.
- ❖ Lowest power consumption on the market.

CDDT 20 – Productivity at the highest level

- ❖ Available with standard mechanical spindles and with spindle speed monitoring, individual metering, sliding doors, pneumatic creel (optional).



Textile Yarn Covering machine by RITM.

- ❖ Touch screen for an optimal flexibility.
- ❖ Wide range of take-up speed from 10m/min (direct cabling with high twist level) up to 180m/min (twisting with low twist).

CDDT 30 – A new concept of "environment friendly" machine

- ❖ Fully equipped with motorized spindles.
- ❖ Integration of full air circulation thus saving air conditioning costs.
- ❖ Spindle speed monitoring, individual metering, sliding doors, pneumatic creel, I.R.I.S (Instant and Remote Information Services) as a standard.
- ❖ Yarn tension on-line monitoring, pneumatic super high-speed take-up holder, and remote access as an option.
- ❖ Plug and play with the RITM plant management system: M.U.S.T.

Wool Touch® - Spun Yarn effect!

With Wool Touch®, RITM is boosting the Spun yarn effect in combination with or without its famous "3 PLY" kit for new yarn engineering.

M.U.S.T., Monitoring Unit System for Textile machinery: Production under control

RITM will bring out its complete and comprehensive plant management system, M.U.S.T., already installed at major carpet, glass and T&I yarn producers.

M.U.S.T. enables an overview of process information, production results and quality control data at all levels from the twister and cabler to the weaving looms via the heat setting machines.

M.U.S.T. is becoming compatible with RFID technology for tag read/write/print tags through hand held computer traceability.◆