SAURER.

Saurer presents new machines and technology at ITM 2024

Yarn: The foundation of fashion and interior design

Modern technology offers increasing possibilities for spinning and twisting yarns. Today's fashion starts with the yarn: fancy, core, duo-core, or compact yarns define the fabric's characteristics. When recycled or dope-dyed fibres are processed, the colour is predefined. Saurer's spinning and twisting machines' flexibility and versatility enable competitiveness in the changing textile world and allow the production of any yarn required by the fashion or interior industry.

At the ITM in Istanbul (booth 709 A in hall 7), Saurer will present energy-saving and flexible solutions for pre-spinning, spinning, and twisting. Saurer is the sole supplier with all five end spinning applications, offering air, rotor, ring, compact, and worsted ring spinning. Saurer twisting machines can twist almost any yarn, from fine wool to carpet and technical to glass fibre yarns.

Saurer will introduce the new Autoairo 11 to produce commodity yarns at competitive costs, running at 500 m/min at the booth. A big focus is on recycling: see the energy-saving BD 8 on the booth or learn more about the Autocoro 11 with recycling Xtreme Edition. The new star in ring-spinning is the Zinser 51, which will be in operation on the booth. Don't miss the opportunity to find out how Saurer's Autocard use digitalised settings to improve sliver quality and be inspired by the capabilities of the CarpetCabler/CarpetTwister 1.12 exhibited at the booth.

Fashion and interior design start with yarn
Many fashion trends are inspired by the yarns available on the market. Saurer is proud to shape fashion and interior trends with its yarn innovations. Besides energy saving, Saurer's engineers also focus on technology - constantly inventing new ways to spin yarns and enhance yarn quality.

Here are some of the market trends and what Saurer has to offer:

- Yarns for fabrics with high washing stability, low pilling, and durability: Belairo yarns from the new Autoairo 11 air spinning machine are ideal for polo shirts, towel piles, or fine knit fabrics.
- Yarns from recycled raw material and waste: The fully automatic Autocoro 11 rotor spinning machine in the Recycling Xtreme edition and the Synchropiecing 60 help process extremely short fibres with high productivity. The semi-automatic BD 8 rotor spinning machine ensures cost-effective production of recycled yarns, especially for waste spinning.
- OE yarns with a free blending ratio of two slivers: This new yarn innovation appeals to customers seeking to create unique colour or material blends.

- Fancy yarns for pattern effects in fabric: The Fancynation software enables fabric simulation and digital transfer of yarn effects to the machine. Fancynation is available for Saurer's complete ring- and rotor-spinning portfolio.
- Elastic core or duo-core yarns: These core yarns spun on Saurer machines ensure the perfect fit for skin-tight clothes, jeans, or sofa covers.
- High-quality compact yarns with lower hairiness and higher strength: Spin compact yarns for the finest shirting fabrics with the self-cleaning compact device Impact FX pro.
- Sophisticated high-quality carpet yarns: Twisted on CarpetCablers and CarpetTwisters for decades, these yarns are used in high-end carpets and other textiles. The versatile machines master even the most unusual market requirements reliably and confidently.

Autoairo 11 air-spinning machine
Saurer's Autoairo 11 air-spinning machine offers the flexibility to process different fibres, even simultaneously, thanks to Multilot: cotton, polyester, viscose as well as new chemically regenerated fibres. The Autoairo sets new benchmarks for producing high-quality air spun yarns named Belairo. These yarns have high pilling resistance and are very durable. The spinning process itself also sets new standards. Compared to combed ring spun yarn, the production of Belairo yarns uses less energy, less manpower, fewer machines, and less production space, which means lower building and air conditioning costs.

Zinser 51 – Saurer's new ring-spinning machine generation
Saurer presents the Zinser 51 ring spinning machine series for the first time in Türkiye. The Zinser 51 series sets new standards for economical spinning. The new suction system, combined with proven energy-saving features, reduces energy consumption. The new NSD-i drafting system monitors all drives to ensure consistent yarn quality values over the entire machine length and speeds up lot changes. The robust intermediate drive Flexidriver NFD ensures consistent yarn quality on extra-long machines. High-end components such as the Texparts Eshape spindle and Spinnfinity, ideal for high-speed spinning, enable top speeds of up to 30,000 rpm. To produce high-quality compact yarns, the new Zinser 51 can be equipped with the reliable compact units Impact FX and Impact FX pro.

Energy saving focus since decades
Did you know that Saurer machines are champions in energy saving? The new Autocoro 11 and BD 8 rotor spinning machines save up to 10% energy compared to the previous model and the ring and compact spinning machines are equipped with many energy saving features. In twisting energy saving spindles, optimised bearings, and drive motors contribute to high energy savings.

Saurer is one of the pioneers of automation
Automation is leading to enhanced process control, improved quality, and increased productivity. Automation solutions are increasing the mill's independence from a scarce resource: manpower. There is no such thing as a one-size-fits-all automation solution, but rather one that is customised to existing mill structures and customer needs. This is why Saurer has a complete engineering department to adapt our automation solutions to the specific needs of spinning mills.

SUN - Service unlimited
To reduce the energy consumption of existing spinning machines Saurer offers retrofit and upgrade solutions. For specific yarns, e.g. for processing recycled fibre, there are also retrofit kits available. To extend the life of existing Saurer machines and implement new features the Saurer service experts will advise customers on possible retrofit solutions.

Texparts offerings
Explore the latest Texparts product innovations on booth 719 A in hall 7: For ring-, compact- and rotor-spinning we offer a lot of high-quality components: such as high-quality drafting arms, long-lasting rings and travellers and energy-saving Eshape spindles, which can save up to 6% energy.

Successful in the Turkish market
A look back at Saurer's history shows how important the Turkish market has always been. Dr. Tai Mac, Director Product Management Open-End, reflects: “In 2011, the very first Autocoro with individual drives was shown at a customer day in Kahramanmaras, Türkiye. Since then, the Autocoro has been on the road to success. Today, more than 280,000 Autocoro spinning units are producing rotor spun yarn in Turkey. Due to the many years of experience with this technology, it is no wonder that the very first Autocoro 11 installation with 768 spinning positions per machine at Biska Tekstil in Türkiye has performed well from the very first moment."

Richard Klein, Regional Sales Director Twisting Solutions, notes: "A recent trend in Turkish carpet production is to use POY, DTY and FDY yarns instead of just BCF yarns. Our CarpetCabler/CarpetTwister 1.12 offers maximum flexibility and is able to process all these yarn types with increased productivity. This is made possible by the fully electronic headstock with inverter drives for the spindle, take-up and traverse motion. In addition, the 1.12 series offers an energy-saving spindle range and central computer-controlled balloon adjustment."

SAURER.



Synchropiecing at Autoairo 11

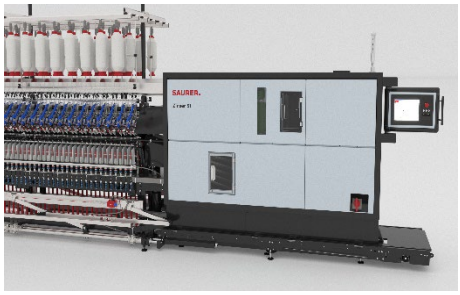


Autocoro 11 rotor spinning machine – with recycling Xtreme edition.

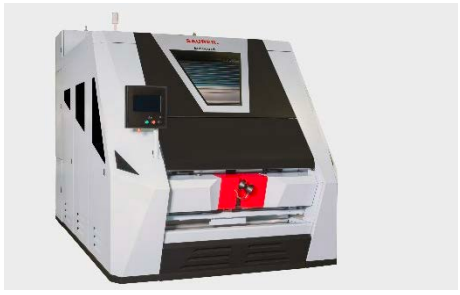


Strongest portfolio of semi-automatic rotor spinning machines: BD 480 Plus, BD 8 Twinsuction and BD 8 Standard

SAURER.



Zinser 51ring-spinning machine with up to 2056 spindles



High-performance card Autocard SC 7 with digitalised settings.



CarpetCabler / CarpetTwister 1.12: Two-for-one twisting and cabling machine for carpet yarns.