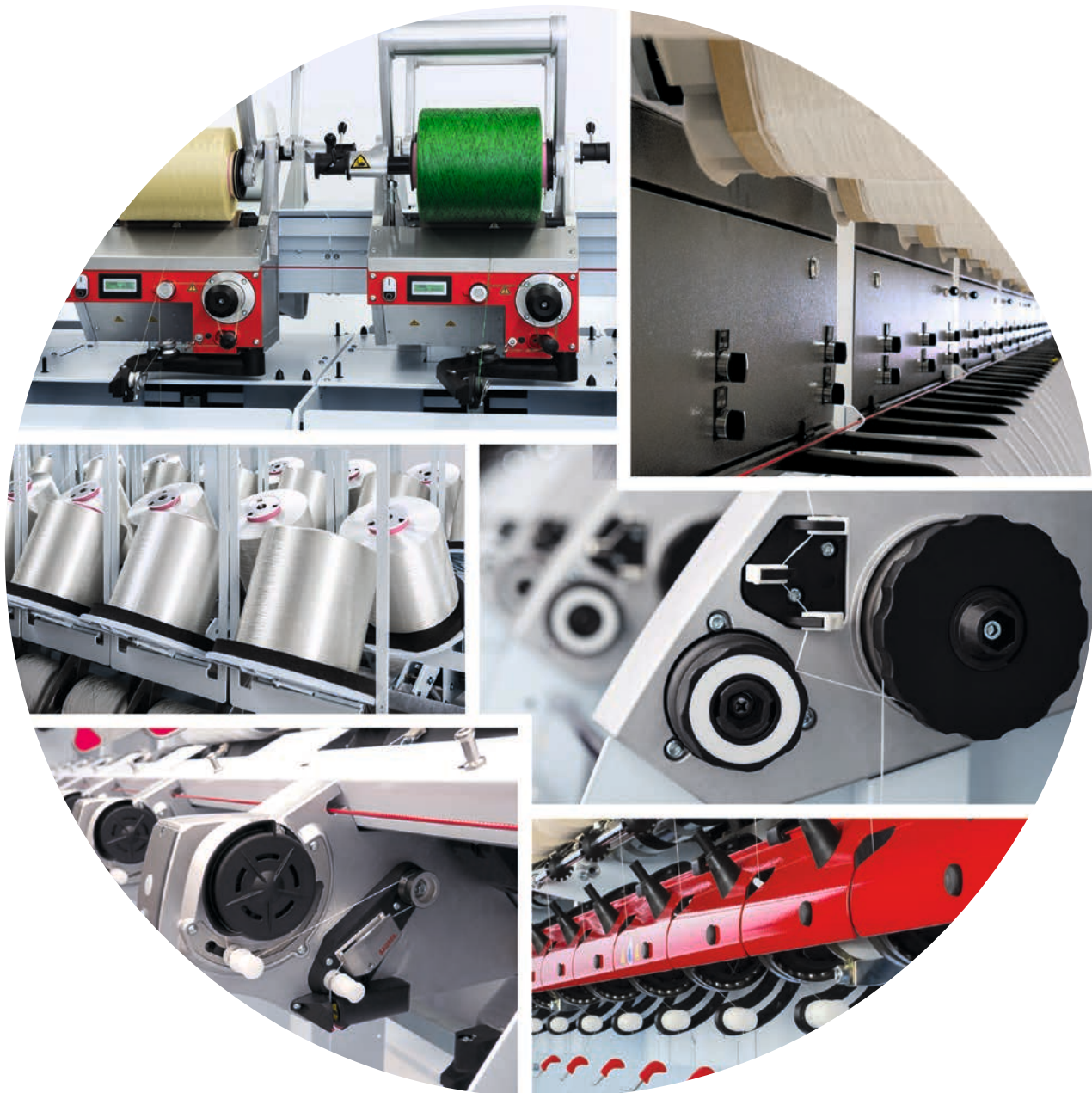


**SAURER.**



**At a glance.**

**Twisting and cabling systems**



**With intelligent and economical solutions Saurer Twisting Solutions regularly defines the benchmarks for twisting and cabling machines for tire cord, carpet, staple fibre, glass filament and industrial yarns.**

**We combine innovative technology with decades of experience so that you can react reliably and confidently to the demands of an ever-changing market with our machines.**

**Our entrepreneurial and pioneering spirit is the driving force for further developments and innovations – for your future as well.**

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## Highlights

- **High energy savings thanks to outer yarn delivery system and slim balloon technology**
- **More spindles over the same machine length**
- **Smart spindle design with optimised, user-friendly components**
- **Reduced yarn waste and low maintenance costs**
- **High-quality tire cord thanks to innovative quality sensor**
- **Higher production speed**
- **Variability and variety due to variants for two-for-one twisting and 3-ply cabling**
- **Versatile and individual automation solutions possible**



## CableCorder CC5

### **Cabling and twisting machine for tire cord and industrial yarns**

The CableCorder CC5 marks what is now the fifth generation of successful cabling and twisting machines for tire cord and technical yarns from our company. With numerous innovations, it once again demonstrates its technological leadership and the associated customer benefits.

Our customers benefit economically from a coherent overall package consisting of a smart spindle concept, modern quality monitoring, improved ergonomics and both individual and flexible solutions for automation and data management.

### **Energy**

- Slim balloon technology
- Energy-saving spindle pots
- Software for energy management

### **Economics**

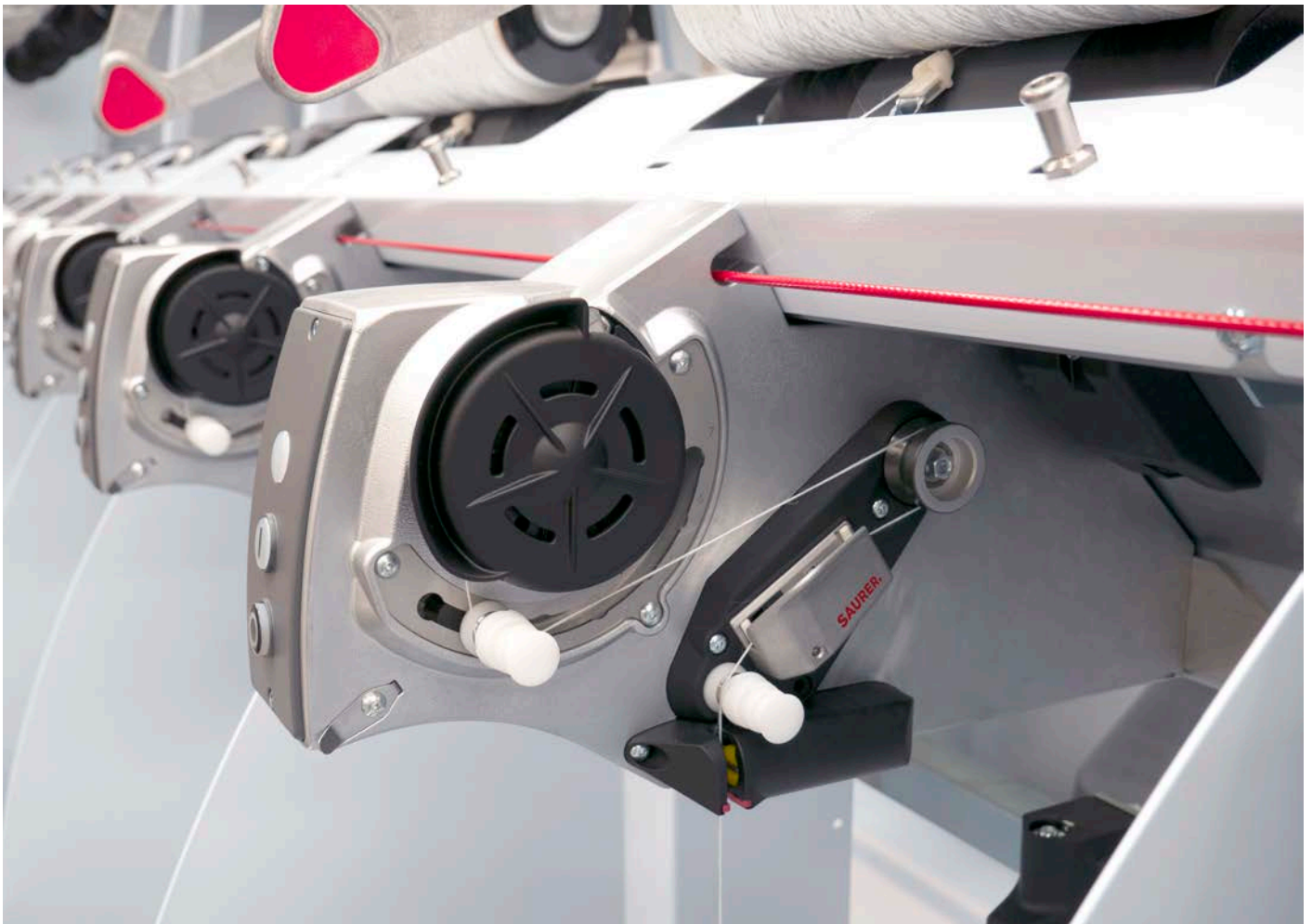
- Higher production speed
- Spindle gauge 400 mm with 200 spindles per machine
- Quality sensor with intelligent software
- Reduced yarn waste
- Lower maintenance requirements

### **Ergonomics**

- Servo-assisted HiLo creel
- Optimised threading process
- User-friendly yarn path
- Clearly structured operating menu

## Highlights

- **Innovative yarn sensor**
- **Electronically monitored motor spindle**
- **New network-capable software**
- **Optimised operability due to the open and easily accessible overfeed area**
- **New package creel for ergonomic operation**
- **Yarn brakes for all kinds of applications**
- **Cooling systems in the drive unit**



## CarpetTwister, CarpetCabler series 1.10

### Two-for-one twisting and cabling machine for carpet yarns

For over 35 years, our CarpetCabler and CarpetTwister twisting and cabling machines have been producing high-quality yarns for sophisticated carpets and other textiles. Innovative developments, use of the latest technology at all times and the readiness to go one step further with and for our customers have been a common thread over the decades. Our new series 1.10 offers optimum possibilities for reliably and confidently mastering even the most unusual requirements of an ever-changing market.

### Energy

- Energy-saving spindle family
- Efficient drive and bearing technology
- Cool running – air-conditioned drive technology

### Economics

- Higher productivity with a delivery speed of up to 120 m/min during uptwisting
- Innovative quality sensor
- Mill Management System Senses

### Ergonomics

- Optimised handling due to the open and easily accessible overfeed area
- New package creel with reduced operating height
- Alternative creel yarn brakes

## Highlights

- One drum shaft per side with individual spindle tape drive
- Highest twist quality due to high quality yarn guiding elements
- Minimised friction losses due to optimised drive and storage technology
- Low set-up times due to central machine adjustments
- Low investment costs and a high degree of globally trusted reliability
- High degree of security, with CE certification
- Low maintenance requirements





## CarpetTwister, CarpetCabler series 8.02

### Two-for-one twisting and cabling machine for carpet yarns

Our CarpetCabler and CarpetTwister twisting and cabling machines have been successfully used for decades to produce high quality, premium yarns for quality carpets and other textiles. Consistent energy optimisation, modern technologies and proven developments support the yarn production in the most economical way – for your success.

### Energy

- Energy-saving spindle family
- Efficient drive and bearing technology

### Economics

- Higher productivity with a delivery speed of up to 120 m/min during uptwisting
- Reduction in space requirement through smaller spindle gauge
- Higher production speed through low yarn balloon tension
- Reduction of air-conditioning costs as a result of the low energy consumption

### Ergonomics

- Reduction of machine operating times due to central adjustments
- Conveyor belt to rapidly clear away the finished packages

## Highlights

- **Highest twist quality due to high quality yarn guiding elements**
- **Optimised energy requirement due to application-specific spindle sizes**
- **Minimised friction losses due to optimised drive and storage technology**
- **Short set-up times due to central machine adjustments**
- **Low space usage due to optimised spindle spacing**
- **Low investment costs and a high degree of globally trusted reliability**
- **High degree of security, with CE certification**
- **Minimum maintenance effort**



## CompactTwister

### High-performance twisting machine for staple fibre yarns

The CompactTwister has been established in the market for over 25 years. The latest generation, the series 8, once again sets new standards for the quality of twisted yarn, flexibility, energy consumption, robustness, lower space requirement and ease of maintenance.

Nearly 5 million supplied spindles demonstrate its leading position on the market. Thanks to innovative development and the latest production methods, the CompactTwister offers high efficiency combined with excellent quality of the cross-wound twist packages produced.

### Energy

→ High energy savings through eco spindle technology

### Economics

→ Higher productivity through delivery speeds of up to 120 m/min  
 → Reduction of operating costs thanks to low energy, space and maintenance costs

### Ergonomics

→ Reduction of machine operating times, thanks to central settings and a variety of handling aids  
 → Quick and easy threading through the Volcojet system  
 → Less noise emission through optimised balloon geometry thanks to new spindle design

## Highlights

- **Best price performance ratio**
- **High, worldwide well-known reliability**
- **High-class yarn guiding elements**
- **Low energy consumption due to spindle geometry**
- **High flexibility due to wide yarn count range**
- **Low space requirement due to narrow machine design**
- **Reduced maintenance due to simplified design and fewer wear parts**
- **Reduced noise emission**
- **Reduced erection and installation time**



## FusionTwister

### **Twisting machine for yarns in the medium and fine count range**

The FusionTwister sets new standards in quality and performance and is the logical answer to the current market requirements. Developed on the basis of intensive market research and taking into account the requests and specific demands of our customers, the FusionTwister offers optimum economic efficiency.

## Highlights

- **Central adjustment of all parameters**
- **Single-motor spindle drives**
- **Single-motor ring rail movement**
- **Single-motor synchronous drives of creel baskets**
- **Pneumatic brake for twisting spindle and creel baskets**
- **Precise ring rail control with monitoring by means of linear encoder**
- **Weight compensation by spring packs**
- **Variably adjustable package building**
- **Spindle speed range 3 000 to 8 000 rpm**
- **User-friendly placement height**



## GlassTwister

### **Innovative high-performance ring twisting machine for uptwisting glass filament and multiply yarns**

Saurer has achieved a major breakthrough with the further development of the GlassTwister. This innovative high-performance ring twisting machine has really proven itself in the market and has set new production standards with its technological features. Among these are the state-of-the-art drive components for the creel baskets, ring rail and ring twisting spindles, central setting via touchscreen plus the constant monitoring of the process parameters and production data together with a host of other elements. The result is first-class glass filament and bobbin quality.

### **Energy**

- Lower energy consumption through efficient drive and bearing technology
- Optimised running smoothness of the ring rail system through drive systems without counterweights

### **Economics**

- Higher economic efficiency in the fine yarn sector and thanks to best finished package quality
- 100 % tested sectional construction, resulting in a faster production start
- $\leq 1\%$  process-related yarn breakage rate

### **Ergonomics**

- Improved ergonomics and user-friendly machine due to low-height design
- $\leq 82$  db(A) noise emission
- Individual customisation to your requirements

## Highlights

- **Innovative glass yarn machine for the economical up-twisting and final twisting of multiple yarns**
- **Flexible application range**
- **Optimised yarn path PreTwister – DownTwister**
- **Precise ring rail control**
- **Delivery capstan**
- **Data input and monitoring of process parameters and production data**
- **Speed range 1500 to 8 000 rpm**





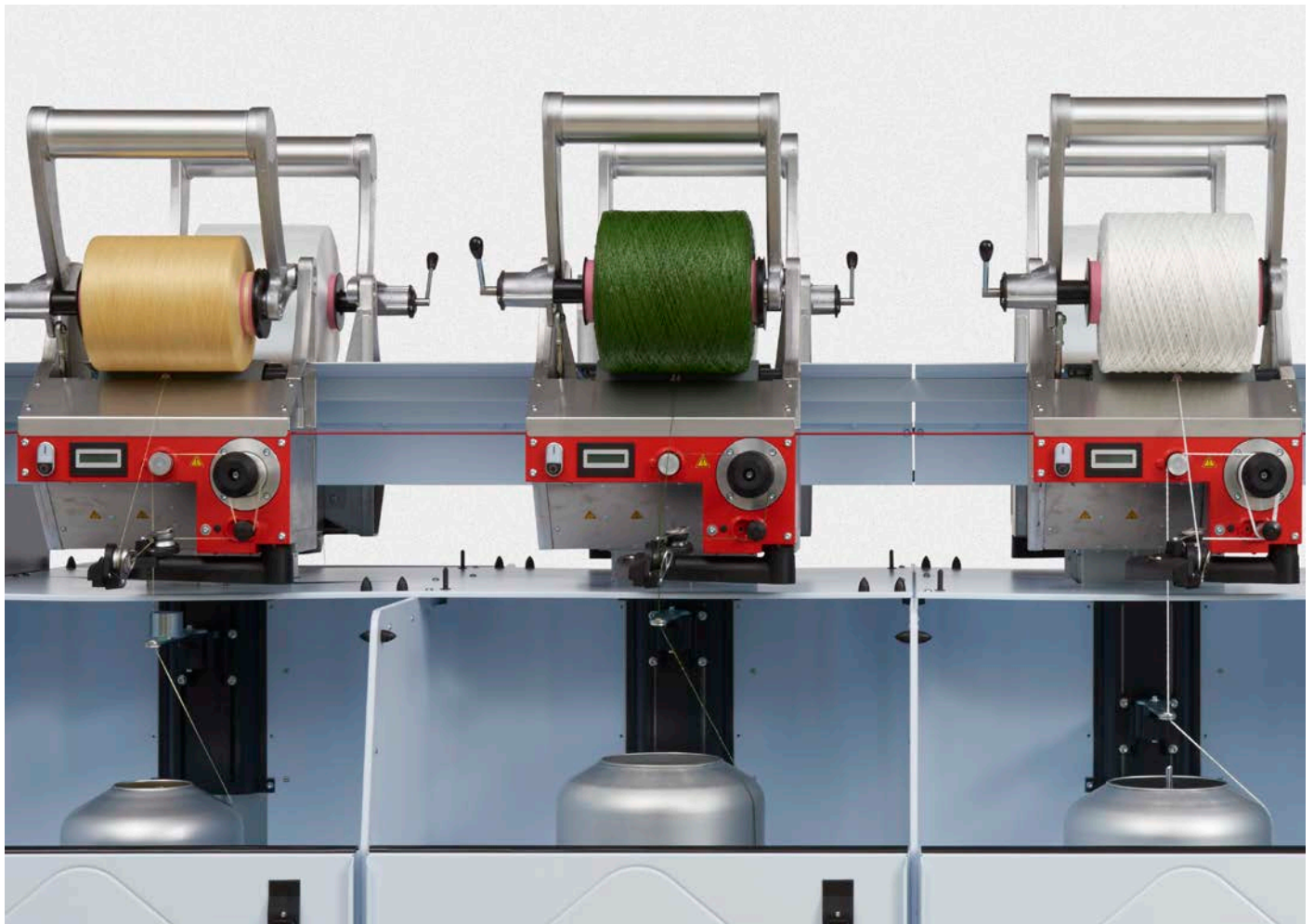
## GlassTwister VGT-P

### **Multiply ring twisting machine with integrated ply unit**

The integrated ply unit is most suited for the production of balanced multiply glass yarns. It is possible to twist two to four single yarns. The new machine generation VGT-P opens unlimited fields to the production of high performance multiply filament yarns.

## Highlights

- **Maximum production flexibility thanks to self-sufficient spindle technology**
- **Unique material flexibility through innovative technology**
- **Wide range of yarn counts**
- **Unbeatable productivity due to delivery speed of up to 400 m/min**
- **Production of hybrid yarns with innovative FlexiPly software**
- **Top package quality with high density**
- **Maximum economic efficiency and quality thanks to state-of-the-art technology**
- **High user friendliness through worldwide unique section concept**



## TechnoCorder TC2

### Two-for-one twisting machine for all technical yarns made of single and multiple yarns

Technical yarns are used in very different fields of application of our environment. Industrial textiles, geotextiles, packaging textiles represent only a few examples of possible applications. As manifold as the applications are, as high are the demands placed on the production technology for industrial yarns. The two-for-one twisting machine TechnoCorder TC2 is a high-performance machine for twisting single and multiple yarns from a multitude of supply materials in a very wide range of yarn counts.

### Energy

- Reduced energy consumption through optimised balloon geometry and the use of a balloon limiter ring

### Economics

- High productivity with a delivery speed of up to 400 m/min
- High package density with minimum length differences and ideal unwinding characteristics in subsequent processing
- Wide range of yarn counts from 235 to 60 000 dtex
- High production flexibility thanks to self-sufficient spindles
- FlexiPly for hybrid yarns

### Ergonomics

- Simple handling of the machine through unrestricted access of the twisting position
- Easy cleaning of the machine thanks to sophisticated spindle design

## Highlights

- **Individual transport solutions**
- **Fast process sequences**
- **Short handling times**
- **Reduced personnel requirements**
- **Optimised material flow**
- **User-friendly control**



## Intelligent automation solutions for Saurer twisting and cabling machines

### **Solutions for automation**

Automation plays an important role in quality improvement and cost efficiency in textile processing. In conjunction with the Saurer twisting and cabling machines, fully or semi-automatic transport systems allow a safe, clean and efficient operating sequence.

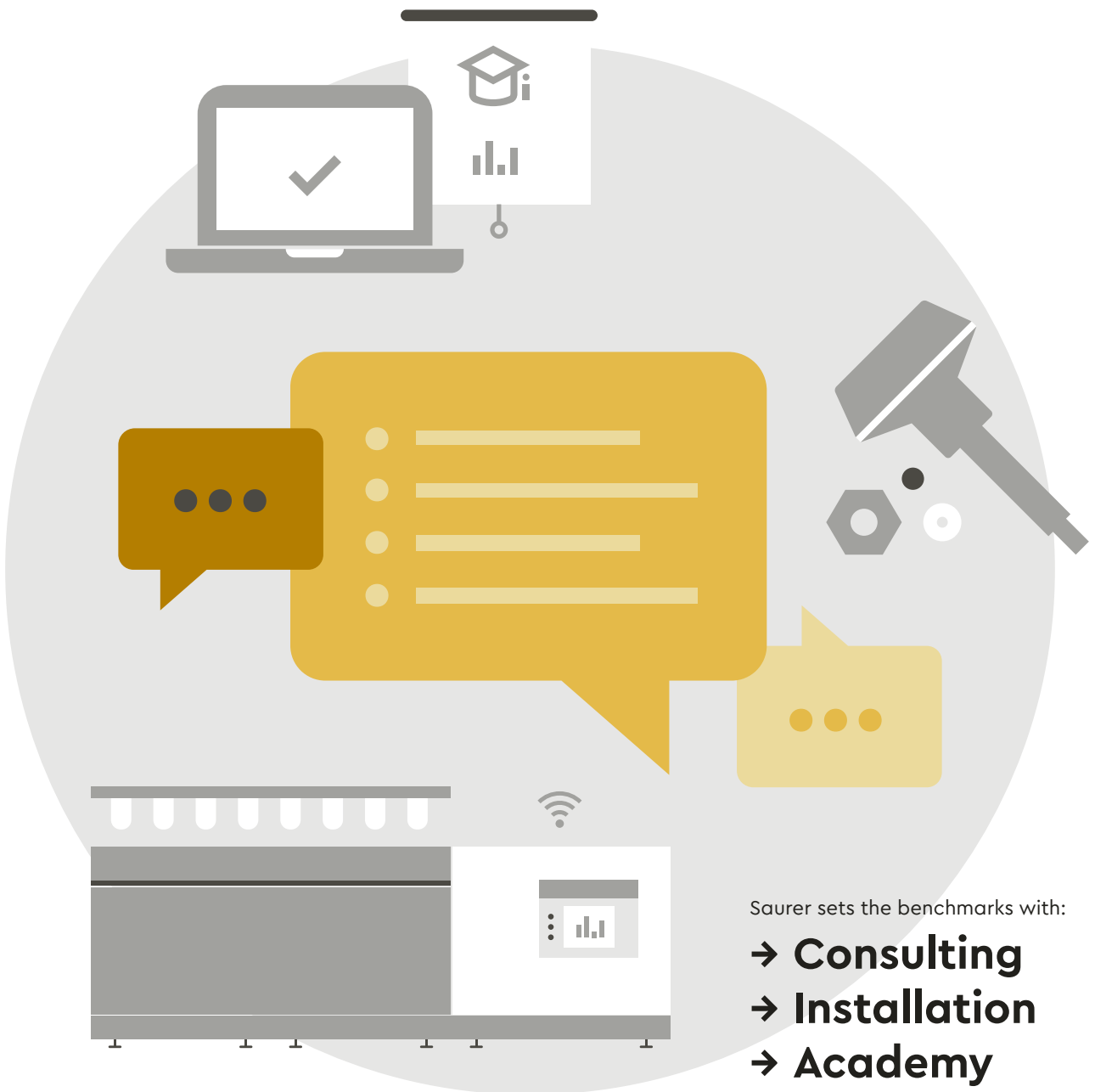
### **FlexFlow – Package transport system**

A user-friendly package transport via space-saving overhead conveyors with intelligent tracking enables an optimum utilisation of your production facilities. Divided into CreelFlow and PackFlow, the system transports your packages both to the machine and from the machine to the next processing step.

### **PackDrive – AGV**

Driverless transport systems make an important contribution to Industry 4.0. They enable efficient transport, e.g. of packages, are controlled by intelligent software and perform their tasks completely automatically. Benefit from a higher throughput flexibility as well as an increase in quality due to less stress on the material.

# Sun



Saurer sets the benchmarks with:

- **Consulting**
- **Installation**
- **Academy**
- **Original Parts**
- **Maintenance**
- **Updates and Upgrades**

Sun – Service Unlimited

**Strong and reliable life-cycle partnership.**

**Unique smart solutions to increase the benefit to the customer.**

**Notable performance and sustainability throughout the machine lifetime.**

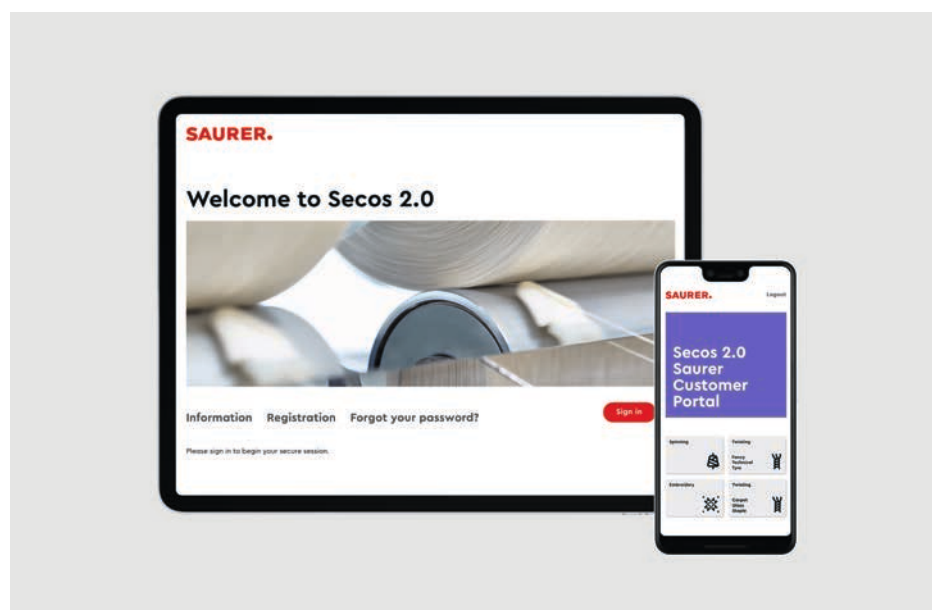
**Sun is a bundle of differentiated services that add real value to Saurer machinery throughout its entire life cycle. Highly trained staff using state-of-the-art tools improve our customers' daily operations in a flexible and individual way. We provide the owners of Saurer machinery with innovative solutions and services to improve the product quality, machine performance and profitability.**

**We keep you competitive.**

## Secos

### Saurer Customer Portal

- Order Saurer original parts quickly through the Secos e-shop. The most common wear parts for each machine type can now be found more easily with photo catalogues
- Find instead of searching: all your data, all your machines, all your original parts at a glance
- Convenient order management with order history going back 5 years
- Quick finder functions with one-click buttons for favourites and current Saurer offers



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