

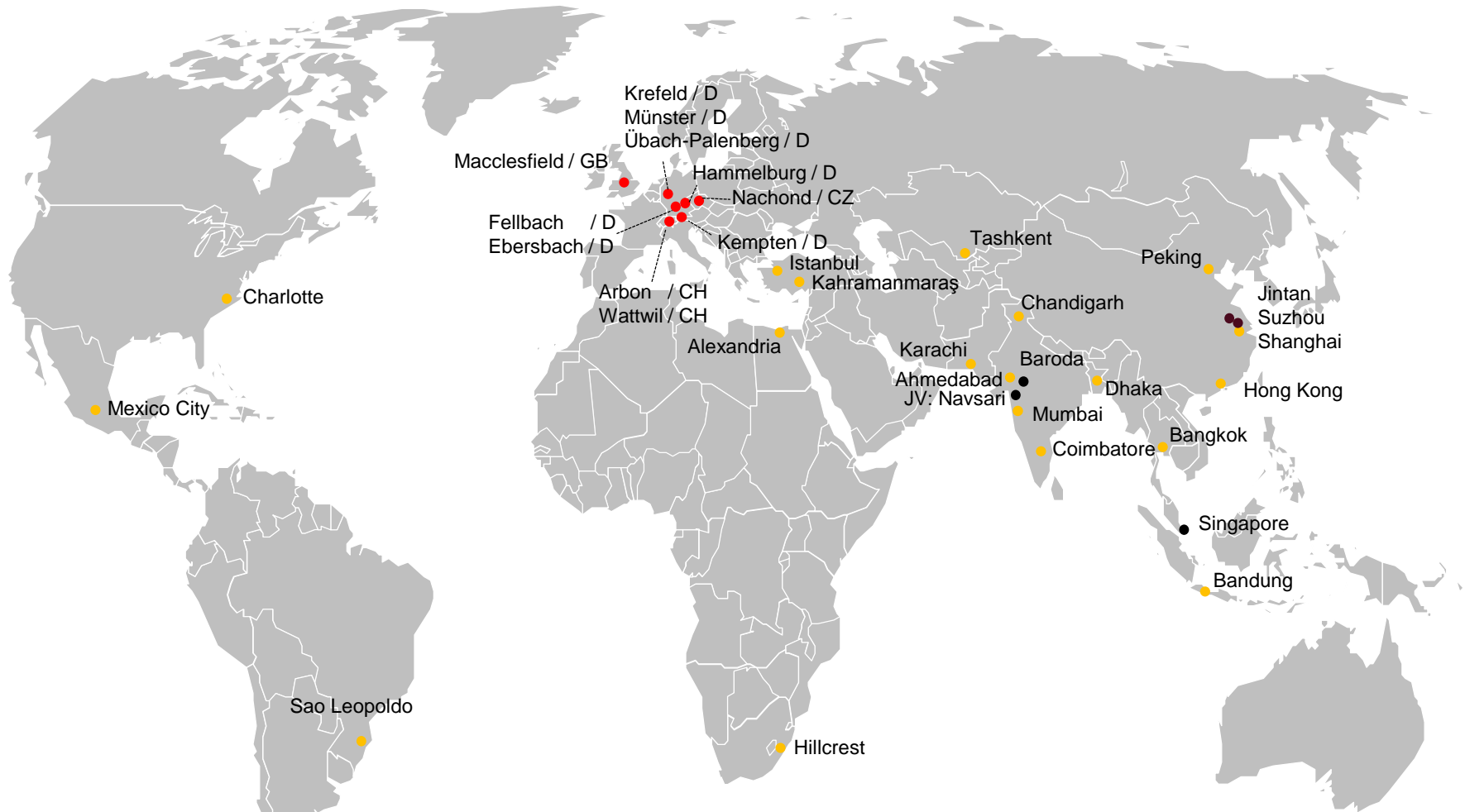
SAURER.

**SAURER.
IRAN SYMPOSIUM 2016**

—
**MARTIN FOLINI
APRIL 2016**



SAURER GROUP



FACTS AND FIGURES

Employees ~ 4.000
Sales ~ 1.000 MEUR

LOCATIONS

- Competence Centers: R&D + Manufacturing
- Manufacturing only
- Sales & Service Center

SAURER GROUP STRUCTURE

Saurer Group

Spinning

SAURER.
Schlafhorst
SAURER.
Zinser



Twisting

SAURER.
Allma
SAURER.
Volkmann



Embroidery

SAURER.
Embroidery



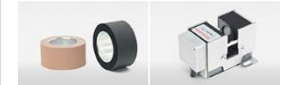
Pre-Spinning

SAURER.
Jintan



Components

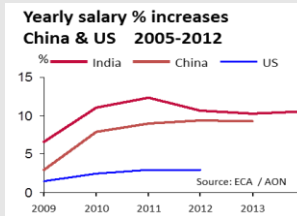
SAURER.
Accotex
SAURER.
Daytex
SAURER.
Fibrevision
SAURER.
Temco
SAURER.
Texparts



MAJOR CHALLENGES FOR THE TEXTILE INDUSTRY

LABOR

Rising salary cost in industrial regions combined with labor shortage (qualified/ unqualified)



NATURAL RESOURCES & ENVIRONMENT

Availability and cost of energy, raw materials, land, and building costs.
Environmental protection



FASHION AND INDIVIDUAL NEEDS

Increasing pace of fashion.
Changes in materials, lot sizes with short lead times.
Regional differences



HOW SAURER APPROACHES THE CHALLENGES:

- We create breakthrough innovations to foster customers' profitability.
- We have passion for customers, innovation and quality.
- We created E3; the triple added value (energy, economics, ergonomics).

E³ – SAURER TRIPLE ADDED VALUE SAURER'S PASSION FOR INNOVATION.

We aim to provide innovative products that make a difference in customers production and profitability. Passion for our products drives our innovation. E³ is part of our innovation strategy.

Energy

- How to counter the effect of rising energy costs in production?
- Ensure most efficient use of the deployed resources

Economics

- How to ensure the highest output / m2?
- Secure highest product quality to boost customers profit
- Offer most flexible machinery solutions

Ergonomics

- How to optimize machine operation?
- Minimize setting and adjustment times
- Which is the way to create the best workflow?.



These are all questions for which the products from Saurer provide the ideal solution.

ZINSER 72 RING SPINNING MACHINES

SPINNING ECONOMY INTO EVERY YARN



ZINSER 72



Energy

Save up to 66% energy for suction

- Up to 53% with TwinSuction
- An additional 13% with OptiSuction
- Energy-efficient motor and drive technology

Economics

More productivity with 2,016 spindles

- Up to 21% less space required
- Up to 11% lower production costs
- Up to 20% increase in production due to twist reduction with Impact FX
- Top speeds and lowest yarn break rates

Ergonomics

Minimise staff and servicing

- Staff savings of up to 66% with CoWeFeed
- Reduced handling and maintenance input
- Short operating times at EasySpin
- Made-to-measure automation

SCHLAFHORST AUTOCONER 6 WINDING

THE BEST ORIGINAL EVER



AUTO- CONER 6



Energy

Up to 20% less energy

New Eco-Drum-Drive System

- Power on demand with SmartCycle and intelligent vacuum control
- Reduced compressed air by MultiJet

Economics

Up to 2 x 6% more productivity

Shorter cycle times with SmartCycle and LaunchControl

- Highest production speeds
- Best space utilisation in kg/m²

Ergonomics

Minimum personnel requirement

Intelligence inside

- Smart sensor technology and autocalibration
- Intelligent doffer functions SmartJet and Tube Check

AUTOCORO 9

LEADING TECHNOLOGY – THE NEXT GENERATION

AUTO-CORO 9

THE NEXT
AUTOCORO
GENE-
RATION IS
AGAIN
TAKING
OVER
LEADER-
SHIP OF
THE
MARKET.



Energy

Up to 20% less energy

- Minimum energy costs
- Innovations for greater energy efficiency
- Maximum cost transparency through energy monitoring

Economics

Up to 30% more productivity

- Outstanding efficiency
- Maximum productivity for commodity and specialist applications
- Outstanding productivity per m²

Ergonomics

Up to 60% less maintenance costs

- Intelligent processes
- Maintenance and cleaning during on-going operation
- Intuitive, smart symbol display
- 30% larger tube magazine with automatic tube color control

BU TWISTING (ALLMA AND VOLKMANN) MARKET LEADER IN TWISTING



STAPLE FIBRE TWISTING (VOLKMANN)



- High-performance twisting machines with a multitude of functional options for all staple fiber yarns
- **Energy:** up to 40% saving
- **Economics:** up to 30% higher productivity
- **Ergonomics:** up to 10% savings in adjustment time



CARPET YARN TWISTING (VOLKMANN)



- Twisting and direct cabling machines for all kind of carpet and hand knitting yarns
- **Energy:** up to 40% saving
- **Economics:** up to 45% higher productivity
- **Ergonomics:** heat set process integration



TIRE CORD / INDUSTRIAL YARNS (ALLMA)



- Energy-saving miracle CableCorder CC4 for high quality balanced 2-ply tire cord
- Two-for-one twisting machines for industrial yarns

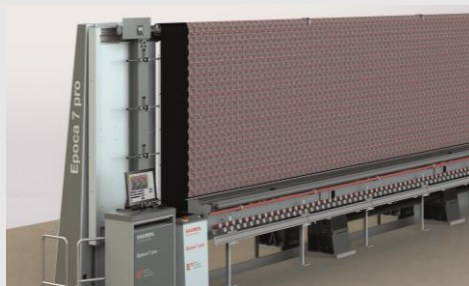


BU EMBROIDERY

TEXTILE CREATIONS FOR THE FUTURE



EPOCA 7 / EPOCA 7 PRO



- The innovative embroidery system
- Maximum productivity and speed
 - Premium embroidery quality and technology
 - Complete reliability
 - **Energy:** up to 5% saving
 - **Economics:** up to 20% higher productivity



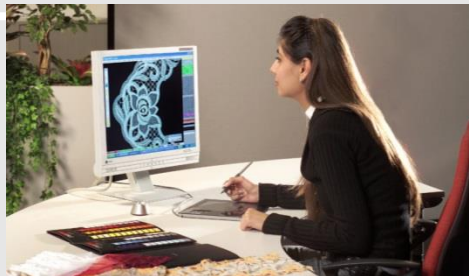
HEAD LINE SYSTEM SEQUINS & SOUTACHE



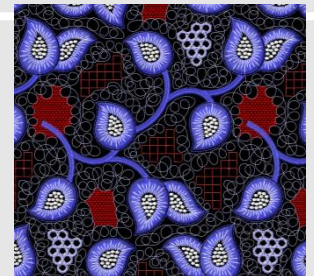
- The unique application solution for sequins and soutache
- Multi-functional soutache wheel
 - Cord Tension Control (CTC)
 - Productivity and flexibility
 - Production speed
 - up to 500 RPM for soutache
 - up to 600 RPM for sequins



EMSTUDIO ISED



- The embroidery software for highest efficiency and best quality.
- Design from one source: this CAD/CAM generation from the embroidery plant integrates all steps from the sketch to the embroidery machine on a single platform.
 - With iSed, the intelligent Saurer editor



BU SAURER COMPONENTS

MARKET LEADER IN HIGH END COMPONENTS

STAPLE YARN (ACCOTEX, TEXPARTS)



Market and Innovation leader

- In components for staple and filament yarn processing

Innovations

- Constant setting new industry standards (i.e. PK 2630 weighting arm, Heberlein® Slide Jet)
- Continuous registration of new patents

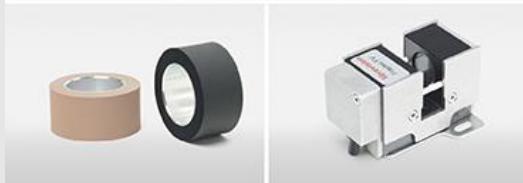
European Engineering – Worldwide Production

- European Engineered = Development and process know-how from Europe. Worldwide production.
- Production according to highest quality standards

Highest Quality

- Superior quality of the Saurer Components is a well known fact in the markets
- All quality determining components with direct influence on our customer's yarn quality and profit, available from one source.

FILAMENT (DAYTEX, FIBREVISION, TEMCO)



NON- TEXTILE



SAURER.
Accotex






SAURER.
Daytex

SAURER.
Fibrevision

SAURER.
Temco

SAURER.
Texparts

SAURER GROUP AND IRAN SALES TEAM AND AGENTS

SCHLAFHORST ZINSER	ALLMA VOLKMANN	SAURER EMBROIDERY	ACCOTEX TEXPARTS	DAYTEX FIBREVISION TEMCO
<p>SALES TEAM:</p> <p>Mr. Gerd Moch</p>	<p>SALES TEAM:</p> <p>Mr. Richard Klein</p> 	<p>SALES TEAM:</p> <p>Mr. Thomas Benzer</p> 	<p>SALES TEAM:</p> <p>Mr. Cemil Esen</p> 	<p>SALES TEAM:</p> <p>Mr. Wolfgang Bremer</p> 
<p>AGENCY:</p> <p>Omnicolor, Iran – for Zinser AC and Schlafhorst ACO</p> <p>Parsatex, Iran – for Schlafhorst BD</p>	<p>AGENCY:</p> <p>Iran Techno, Iran – Mr. Hashemi</p>	<p>AGENCY:</p> <p>Omnicolor, Iran – Mr. Arash Abedi</p> 	<p>AGENCY:</p> <p>Arya Machine Arman Gostar Co. Ltd. – Mr. Ramin Adlkhah</p>	<p>AGENCY:</p> <p>Engineering Service Co. Ltd., Mr. Kiana Sanat Afzar</p>

SAURER.
WE LIVE TEXTILE.

THANK YOU FOR YOUR ATTENTION.