

The background of the image is a complex industrial machine, possibly a robotic arm or a precision manufacturing tool, rendered in a semi-transparent blue overlay. The machine's structure is composed of various metal parts, including beams, joints, and actuators. In the upper right corner, the text "SE08R" is visible on a component. In the lower right corner, the name "YIPROTHER" is printed on a metal plate. The overall aesthetic is clean and technical, emphasizing automation and precision.

RSC | AUTOMATION
TECHNICS

... INTRODUCING THE MOST EFFICIENT AUTOMATIC PRODUCTION LINES FOR NARROW FABRICS

**RSG manufactures high-end automation lines
for narrow fabrics, seat belts, airbags & cleaning fabrics.**

We are experts in precision engineering and automation, tailor-made lines and machines that give you a long service life. Our customers around the globe know they can rely on us for comprehensive after-sales support.

German reliability in every part

Founded in 1983, RSG has always been an independent manufacturer of bespoke solutions to individual customer specifications. In 2023, RSG joined the FSH Holding family, an internationally operating group of independent industrial companies under Austrian family ownership.

As part of FSH Holding, RSG now adds to its own expertise the experience of a long-established and highly successful machine building group, making RSG the powerful solution provider in FSH's branch of industry.



INSPIRED BY DESIGN

THE RSG WAY

Starting from your ideas,
needs, challenges, ...



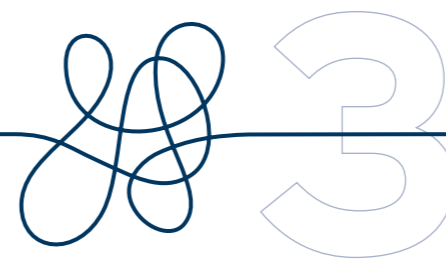
RSG discusses the job in hand with you in detail and creates a first visualization of the line. Of paramount importance is the fact that we do not stop until we have a clear understanding of what is needed. This includes an in-depth analysis of your current manufacturing processes.



With a dedicated team of construction experts, accomplished programmers and highly skilled automation professionals, RSG supports you with a one-stop solution.

TURN YOUR IDEAS AND NEEDS INTO A SUCCESSFUL INVESTMENT IN AN AUTOMATIC LINE

RSG always works closely with you to ensure that our automation lines deliver maximum performance.



Once we have all the information we need we develop initial ideas and create prototypes which give a first impression of how we propose to tackle the task in hand. In this phase we are in close consultation with you to ensure rapid progress and focus on the right solutions.



RSG is with the customer all the way from the first sketch to the production line so that the envisaged target is achieved together.

Finally, the tested solutions are fitted on a machine, beginning with the mechanics which are then married step by step to the software. The project concludes with comprehensive testing.

OUR PRODUCT RANGE

RSG | automation technics stands for innovative lines tailored to our customers' individual needs.



NARROW FABRIC LINES FOR ENGINEERING AND CONSTRUCTION

- / Lashing straps
- / Heavy-duty belts
- / Securing straps
- / Endless flat slings, hoisting slings



NARROW FABRIC LINES FOR PROMOTIONAL PRODUCTS

- / Lanyards with safety break
- / Lanyards with standard or special clips
- / Lanyards with various buckle systems



NARROW FABRIC LINES FOR AUTOMOTIVE AND AEROSPACE

- / Vehicle seat belts
- / Aircraft seat belts
- / Airbag straps



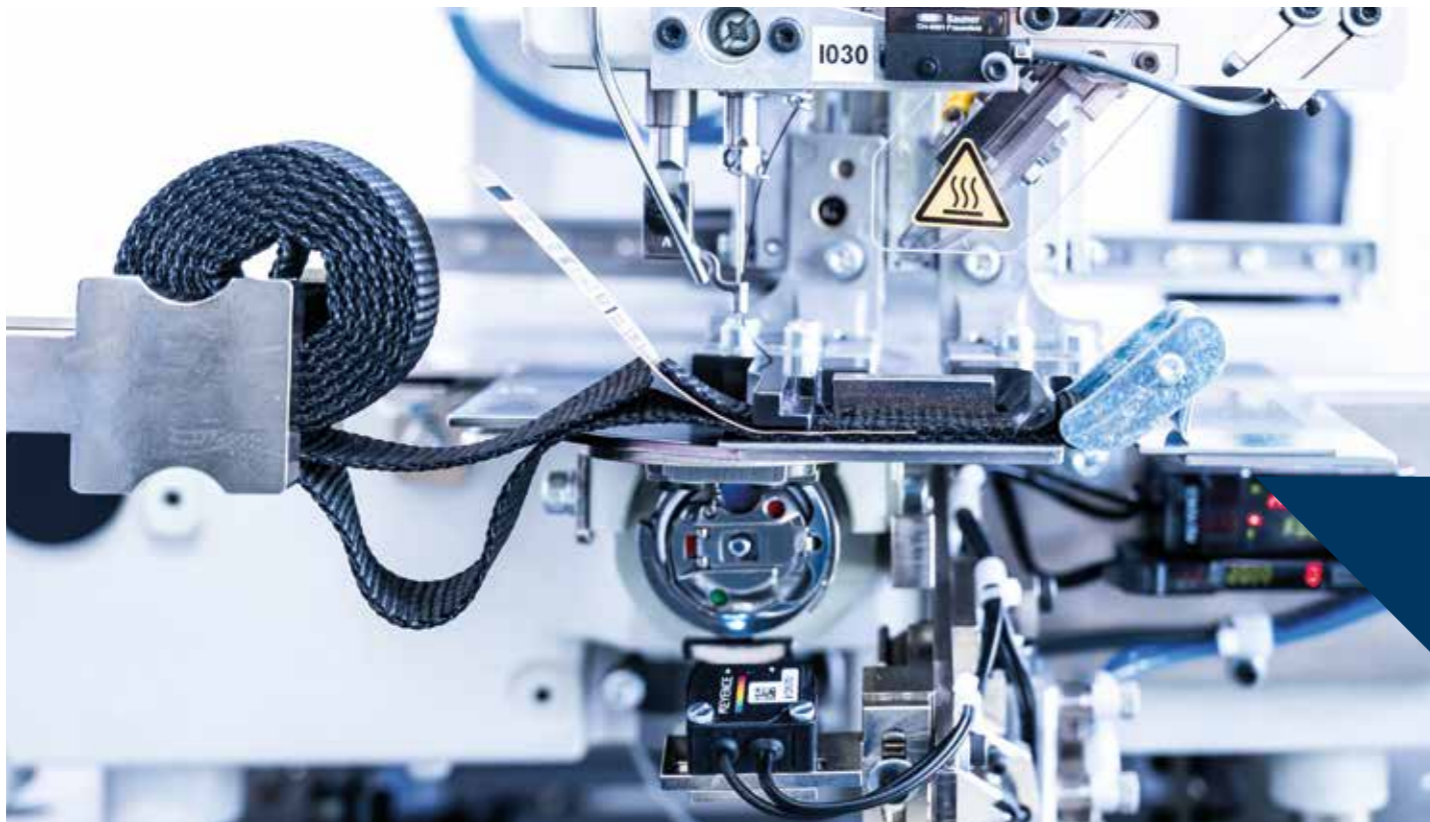
NARROW FABRIC LINES FOR THE LEISURE INDUSTRY

- / Backpack straps
- / Straps for helmets
- / Straps for child seats
- / Straps for harnesses
- / Climbing slings



ALL-PURPOSE FABRIC LINES FOR LARGE FABRICS

- / Surgical floor and cleaning wipes
- / Tourniquets
- / Industrial mops
- / Industrial cleaning cloths
- / Vehicle airbags



NARROW FABRIC LINES FOR ENGINEERING AND CONSTRUCTION



The RSG quality approach is the key:

- / Reliability is the watchword - automation delivers fault-free parts
- / Quality control is built in, greater efficiency is guaranteed at a lower cost
- / All relevant production steps are automated: unrolling, cutting, dispensing, folding...
- / All processes are state-of-the-art, monitored by the latest camera systems and sensors
- / Fast response to market needs
- / Tremendous cost savings compared to manual production

APPLICATIONS

- / Lashing straps
- / Heavy-duty belts
- / Securing straps
- / Endless flat slings, hoisting slings



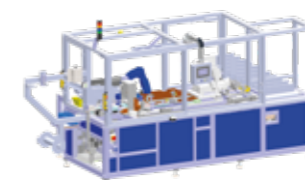


NARROW FABRIC LINES FOR PROMOTIONAL PRODUCTS



Be successful in a competitive environment with RSG technology:

- / React faster and reduce the time to market
- / Eradicate excessive quality inspection as every step is monitored and documented
- / Lowest cost per lanyard and fast ROI for every line
- / Less manpower needed, easy-to-handle machine reduces labor costs



APPLICATIONS

- / Lanyards with safety break
- / Lanyards with standard or special clips
- / Lanyards with various buckle systems





NARROW FABRIC LINES FOR SEAT BELTS



APPLICATIONS

- / Automotive
- / Aerospace

Safety is crucial, especially with critical applications:

- / Maximum security through automation for guaranteed fault-free parts
- / Every product is monitored and tracked
- / Quality control is built in, greater efficiency is guaranteed at a lower cost
- / Every single production step is monitored by the latest camera and sensor technology
- / Full automation from the core process to packaging





NARROW FABRIC LINES FOR AUTOMOTIVE STRAP LINES



Efficiency and quality combined in one line:

- / Full control over all production processes
- / Various sewing patterns are possible, any model can be produced
- / Automated insertion of the metal brackets for tremendous cost savings
- / Reduced cycle times thanks to innovative pick and place
- / Modular design of the lines means production can start with small batches and expand continuously

APPLICATIONS

- / Interior fastenings
- / Airbag straps





NARROW FABRIC LINES FOR THE LEISURE INDUSTRY



RSG melds absolute safety with the needs of the leisure industry.

For child seats, helmets or climbing equipment, safety is absolutely vital and can only be guaranteed by using full-line sensor technology and automation. Our concept is unique because it speeds up delivery times while maintaining outstanding quality.

- ✓ Increase quality: automation always delivers top quality
- ✓ Eradicate excessive quality inspections:
save time and costs as every step is controlled and documented
- ✓ Less manpower needed



APPLICATIONS

- ✓ Straps for backpacks
- ✓ Straps for helmets
- ✓ Straps for child seats
- ✓ Straps for harnesses
- ✓ Climbing Slings





ALL-PURPOSE FABRIC LINES FOR LARGE FABRICS



Industrial applications you can trust implicitly.

Safety and reliability are essential in vehicle airbags. But our concept for medical textiles also delivers the outstanding quality and traceability required in that sector. Only with the sensor technology and quality approach of RSG will you be 100% sure of having all the traceability data at your fingertips.

- / Superlative quality all along the line
- / Quality inspections are always objective and never subject to personal judgment
- / Excellent performance and fully standardized output
- / No recall campaigns

Our industrial applications are designed to meet the stringent quality standards of the automotive and medical sectors. This means you can always expect products of the very highest quality.

APPLICATIONS

- / Surgical floor and cleaning wipes
- / Tourniquets
- / Industrial mops
- / Industrial cleaning cloths
- / Vehicle airbags



INNOVATIVE TECHNOLOGIES AND MONITORING EQUIPMENT

COLOR THREAD MONITORING® SYSTEM



- / Ensures sewing security with fully automated monitoring of upper and lower threads
- / No broken threads: The machine automatically stops and alerts you if thread is broken
- / Never run out of thread: our automatic control warns you if a critical level of thread is reached
- / No undetected fake seams
- / No recall campaigns
- / Fewer quality checks needed
- / Eliminate errors during the sewing process with our Poka-Yoke technology



BOBBIN EXCHANGER®

- / Bobbins are changed during production, no shutdown times
- / No operator needed to keep the machine running for long periods
- / Better time management for your operator
- / No bobbin misplacement in the sewing head
- / The system is available for a single bobbin changer and up to 32 bobbins



THREAD HOT CUTTER®

- / Cuts both upper and lower threads
- / No fabric surface damage thanks to automatic height adjustment
- / Smooth finish for every seam
- / Fewer faults caused by thread slipping through the needle
- / No manual trimming

Our system is designed to work best with our RSG thread puller for minimal loose thread on fabric.

ALWAYS CLOSE TO OUR CUSTOMERS

OUR SPARE PARTS SERVICE

To keep your machinery running and guarantee maximum efficiency, RSG always has the most important standard parts in stock. With the support of our partners we process orders **within 24 hours**.



CERTIFIED RSG OPERATOR

We offer the most comprehensive training for your operators

- / Training for all lines & software modules
- / In-house training for machine operators
- / On-site training accompanying machine installation
- / Wrap-up training for new staff at the customer's site

SERVICE HOTLINE

Within the warranty period our service hotline is available for our customers free of charge.



WWW.RSG-AUTOMATION.COM



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ENHANCING EFFICIENCY THROUGH AUTOMATED PRODUCTION PROCESSES

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