



COMPONENTS

Automotive Components
Built-in benefit



safety for electronic systems





SCHAFFNER GROUP

Schaffner – quoted on the Swiss stock exchange since 1998 – is the internationally leading group of companies for electromagnetic compatibility (EMC). In our Components and Test Systems Divisions we develop, produce and market standard and customer-specific elements, modules, test systems and test installations. Our key markets include automotive, industrial and consumer electronics, telecommunications and the public sector. On the basis of our own world-wide engineering and distribution organization and a broad partner network we are globally present and always close to our customers.

Schaffner Components

Automotive Components

- Tire pressure sensors
- Proximity sensors
- Low frequency antennas
- Immobilizers
- EMC Filters
- RFI Suppression Chokes
- Filtered Power Connectors

EMC Filters

PLC Decoupling Filters

Feedthrough Components

Power Quality

Pulse Transformers

Customized Solutions

Schaffner Test Systems

Automotive Test Systems

EMC Conducted & ESD

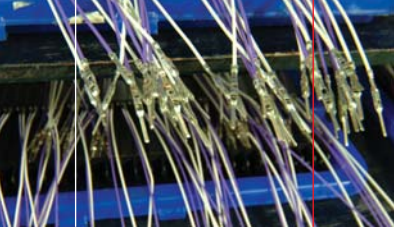
EMC Radio Frequency

EMC CalShop

Cable & ElectroEmulation

Power Electronics

RF Software Support

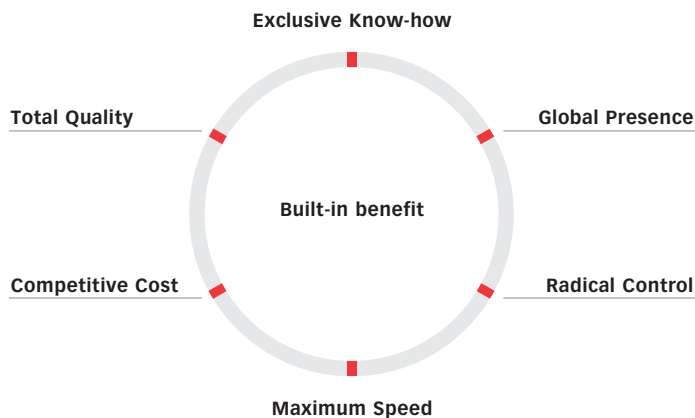


EXCLUSIVE KNOW-HOW

Schaffner Automotive means built-in benefit. That is the reason that automobile manufacturers and parts suppliers the world over trust our products. We develop and produce high-tech electrical and electronic components for the widest range of applications in the automotive field.

Our approach is based on the following six success factors. These are optimally combined for each project so that you receive products that you can simply install and forget.

These are our success parameters.



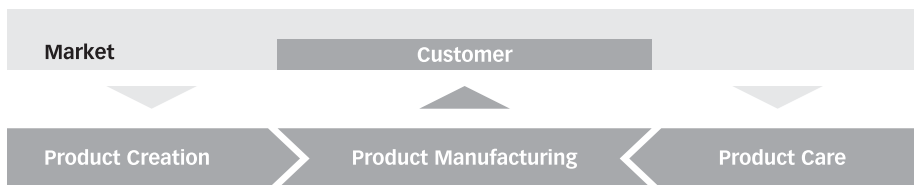
Innovative flair, fast prototyping, engineering and tailor-made production facilities result in products that fit the bill perfectly.

Our engineers have access to a huge store of know-how plus the experience of the whole Schaffner group and are hence able to put unique technological resources at your disposal. With the support of Schaffner Test Systems, whose test equipment already has an exceptional reputation in the automotive field, we develop components to make your systems safe and successful. Furthermore we work as closely with you as possible so that the jointly defined products always fulfil your expectations of them: built-in benefit.

Global Presence Close at hand worldwide.

Globalization within the automotive industry suits us ideally. Schaffner teams have always worked wherever a task can be most efficiently resolved – at your place, at our place or together with a third party.

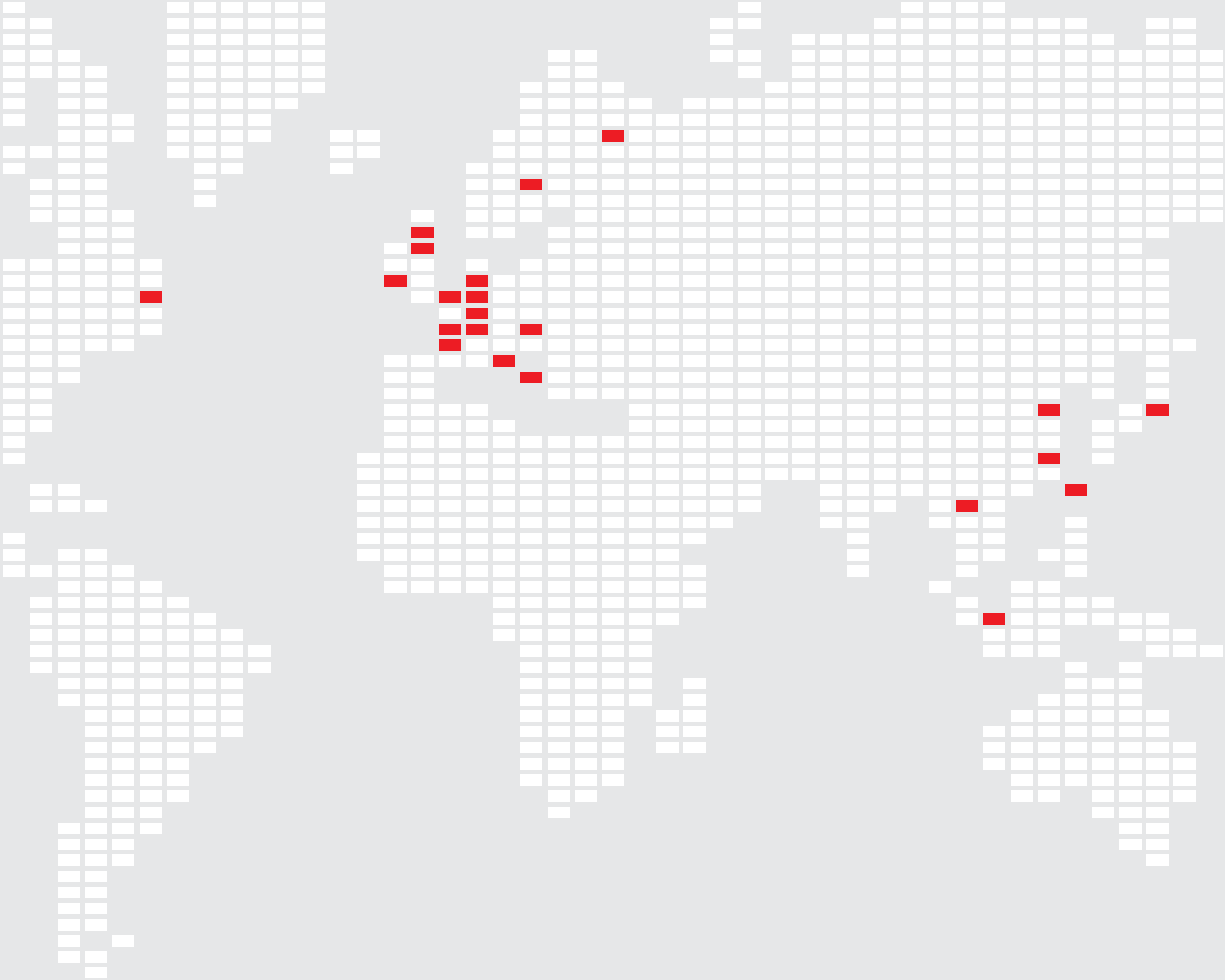
In this way you benefit from our experience in international and intercultural collaborative efforts. Our employees originate from various countries, build bridges between cultures and take local, special considerations into account. Hence our work is also divided into only three main processes that can be quickly transferred to other regions.



Currently the center for product development and product care is located in Europe while mass production is carried out in Thailand and China. Schaffner has been manufacturing in Asia since 1989 and understands the local conditions extremely well. Thanks to our worldwide experience we can always produce wherever the conditions are most suitable.



Immobilization
Components to prevent car theft



Passenger protection

Components for restraint systems and for passenger monitoring during a journey



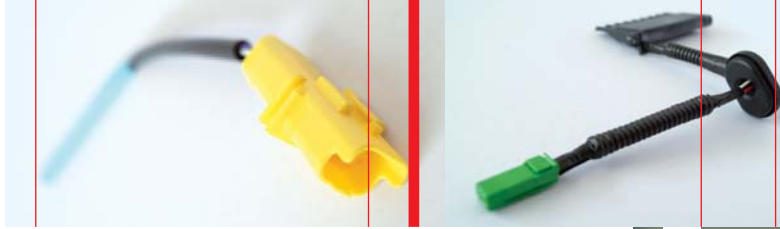
Tire pressure monitoring

Transmitting and receiving elements in tires and chassis



Keyless locking system

Antennas and sensors for highly user-friendly keyless access systems



Total Quality Zero failures.

We supply you with components that you can install and forget: Products that simply keep on working throughout the life of the vehicle as the end-user expects, without being noticed.

The basis for this is to be found in our Total Quality Management System. We work in compliance with ISO/TS 16949:2002 (certified since 2003). All of our products are ELV-compliant. The relevant components are listed on the IMDS database. Our test laboratories are ISO 17025 certified. Because of our worldwide activities, all our product, project and production documentation is IT-based throughout. You can access the current production data concerning your components in real-time.

Not only during the development stage, but also consequently in production, our zero failure strategy is strictly applied to both our own processes as well as to those of our suppliers. We do everything possible to ensure that at any moment, anywhere and in every case the correct procedure is being applied. Hence you always receive products that you can pass on with a clear conscience to others.

Radical Control Everything in hand.

We are never satisfied with the status quo. To achieve total quality we implement rigorous checks. These range from high-tech automatic test installations right through to on-line monitoring of the whole production process.

Every component, product and process is tested, checked and monitored as long as it is in our care. We achieve this by using every modern control technique right through to on-line supervision of the entire manufacturing procedure. The manufacture of our products is fully documented throughout. Where relevant, the work is multimedia-monitored for documentation purposes and for the optimization of the operatives' work. No matter what you receive from us, it is always tested, always quality.



For production monitoring purposes we use the latest, fully integrated techniques throughout.

Maximum Speed Quicker to market.

Our globally active development teams, the know-how provided by the Schaffner Group and the infrastructure for fast prototyping enables us to offer you extremely short development times.

Quality, speed and flexibility are among the basic strengths of our undertaking. Since a large part of our products are produced in-house, we can very rapidly incorporate alterations, product modifications or improvements even at the production stage. Our manufacturing methods and installations are arranged so flexibly that production capacities can be adapted to meet new requirements in next to no time. All these factors together enable us to help you shorten your time to market.

Competitive Cost Greater competitiveness.

We look with particular care for optimized product design and lean production. Lean thinking characterizes our products, production methods and the production location.

Because we can bring the right people together in the right place and in the right combination, we can achieve our aims more efficiently. That is the first reason why, with new projects, you can expect lower initial costs and shorter start-up times. The second reason results from the fact that a large part of our products are produced in-house and hence adaptations to changing requirements can be rapidly introduced. We only automate where it makes sense to do so. We lower costs through our global presence and location-optimized production. All this offers you greater market opportunities.





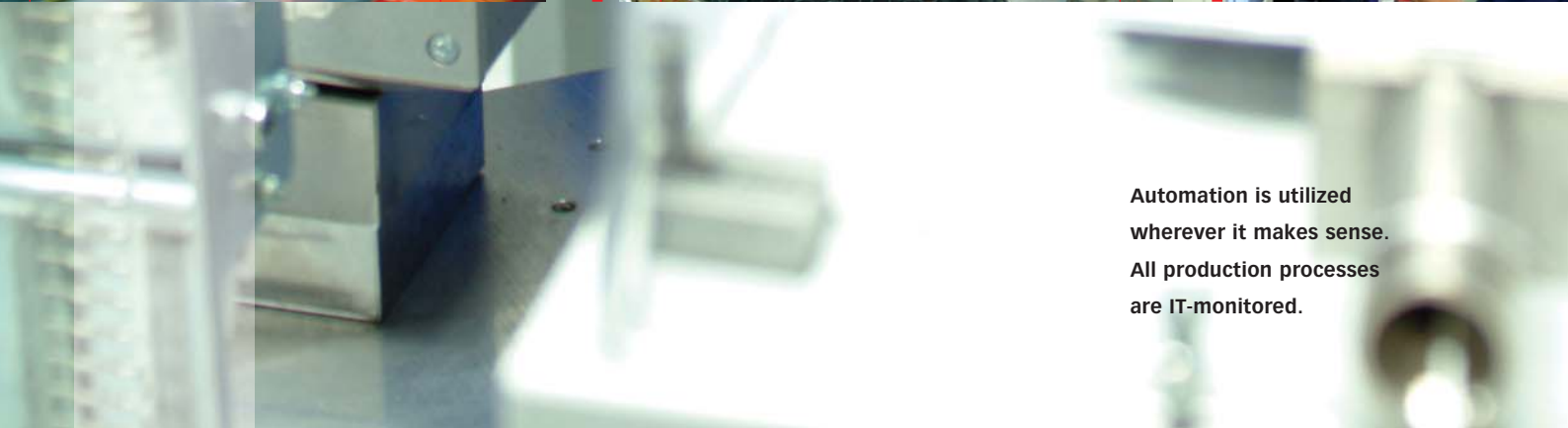
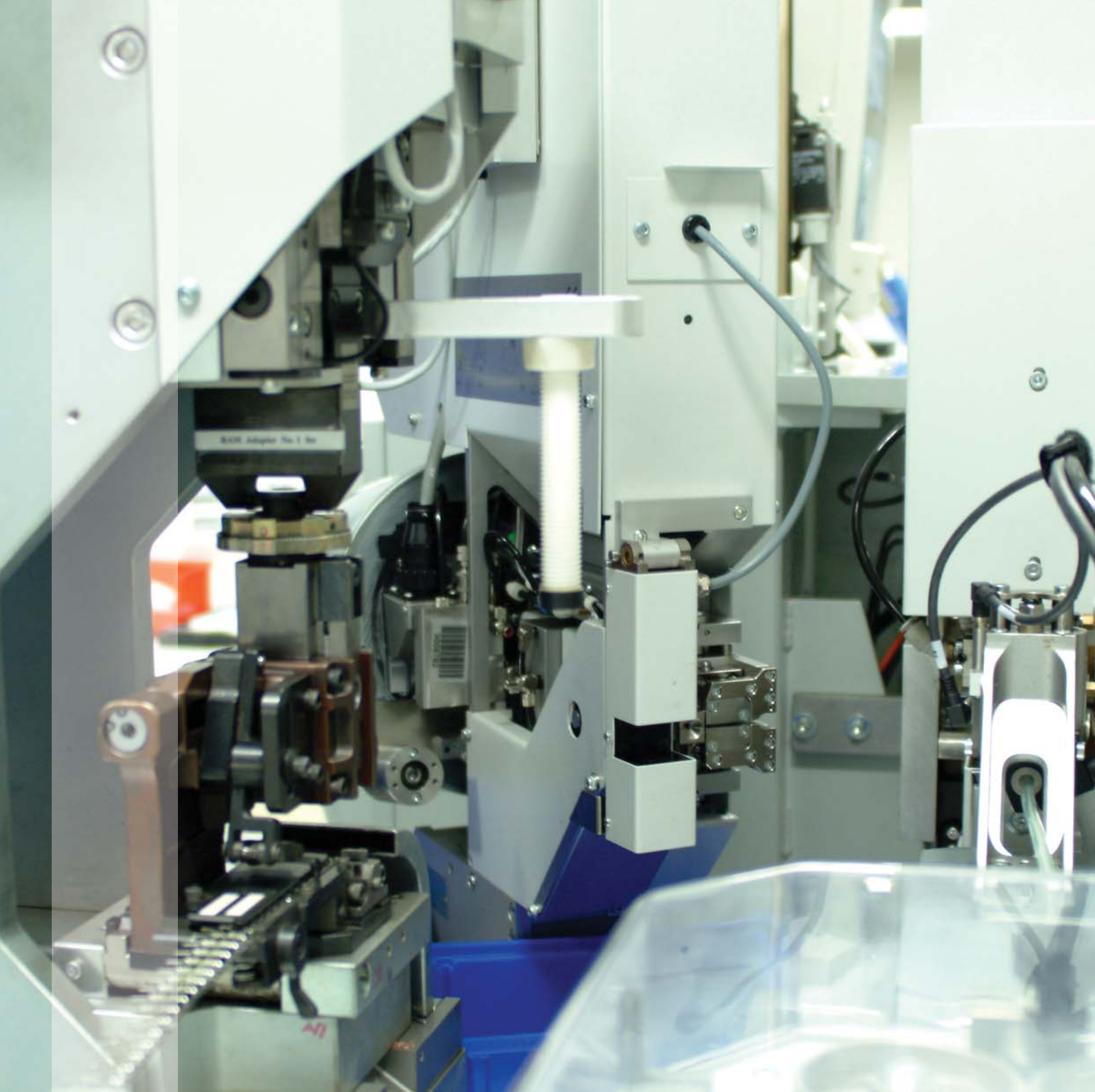
Thanks to a high degree of in-house production and well-trained employees we can react to changing market needs rapidly.



Built-in benefit

As a high-tech company for the development and production of electronic components, we work closely together with the most demanding suppliers to the automotive industry. We therefore invite you, too, to join us in seeking out the full development potential within the automobile construction industry. It gives us the greatest pleasure to introduce new ideas to discover products that will help us all.





Automation is utilized
wherever it makes sense.
All production processes
are IT-monitored.



safety for electronic systems

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