

Schmersal Safety Services

We make your machines and equipment safe.



SCHMERSAL
Safe solutions for your industry



Application Consulting Application Engineering Webinars System solutions CAE-Integration

Expert consultancy right from the start

With the assistance of experts you can achieve your goal much quicker, as any specific questions are answered quickly, safely and efficiently. More and more organisations are beginning to realise this and seek such consultancy.

The Schmersal group offers constructors and operators of machines not only a considerable range of safety switchgear and system solutions, but also qualified services related to machine safety. Through our comprehensive range of services we support constructors and safety engineers with first-hand specialist knowledge.

System partnerships Seminars CAD-Integration Literature tec.nicum



If you have not already taken advantage of the services offered by the Schmersal group. Check us out! The qualified Schmersal Safety Services employees possess a high level of technical expertise which has been accumulated through years of experience at Schmersal in all fields of machine safety.

Apart from the pure consultancy work, other activities belong to the services that we are most happy to take over, if necessary cooperating with competent partners.



Application Consulting – from the leading experts

Certified functional safety engineers are supporting and advising our customers from around the world. As Safety Consultants we take on consultancy services relating to functional machine safety - for example:

- Selection of the suitable guard systems
- Support with CE conformity assessment -
- Risk assessment
- Technical safety analysis of existing machines

The Safety Consultants configure and ensure the safety systems conform to the current regulations, this ensures that you do not rely only on the practical experience of the Schmersal Group as a leading expert in machine safety. Through the cooperation of the Schmersal Group in various standardization bodies, we also bring the theoretical knowledge and knowledge of the applicable regulations and standards with us, which are needed for the selection and configuration of standard conforming safety systems.





Application Engineering – customer specific safety technology

In modern machinery and equipment, the safety functions are increasingly moving from the hardware level to the software level. The benefits are clear: Additional flexibility for constructors and users of machines with the individual adaptation of the safety functions and the optimal integration of machine safety and productivity.

These coincide exactly with the requirements of the users. Even the commissioning of machines belongs to the field of tasks for the Application Engineers.

Our Application Engineers are developing software modules for the current controller generations:

- PROTECT PSC
- PROTECT SELECT





CE network – Expert contacts for special issues

In order to offer our customers expert contacts for very complex tasks including issues outside of machine functional safety, we have initiated a network of engineering offices for the German market that have comprehensive knowledge in the field of machine safety. Our Safety Consultants work closely with the network and can therefore rely on a very broad specialist knowledge. The network partners employ approximately 100 employees and will support you in all important areas of expertise for machine safety.

Among the main activities of the CE network include:

- CE Conformity assessment procedures according to Machinery Directive 2006/42/EC
- Creating and revising technical documentation
- The consultation for specific problems of machine safety (e.g. ATEX)

Also, the employees of the CE network review and assess the safety features and functions of machinery and equipment already in use. These include:

- Creating risk assessments for the work protection law and the BetrSichV (German regulation on safety and health)
- Tests according to the Machinery Directive, EMC - Directive including
- Examination of electro-sensitive protective equipment. (ESPE), including over-run time measurements

Therefore the CE network ensures that your machines and equipment comply with all relevant regulations and continue to work safely and productively.

In addition to our CE network we also have a group of system partners, focusing, for example on the refitting, upgrading and retrofitting of presses for the validation of safety-fluid controls.

In addition experts are available for particular subject areas such as automation. This allows us to offer you the exact support you need.

www.ce-netzwerk.com





First hand expert knowledge

We maintain close contact with standards bodies, trade associations and other institutions that monitor the regulation of machine safety and are also involved in their creation. We gain knowledge through this and are happy to pass this on in different ways:

- Seminars in the Schmersal tec.nicum
- Specialist journals and books on machine safety
- Developing and organising meetings for experts, organising conventions, etc.

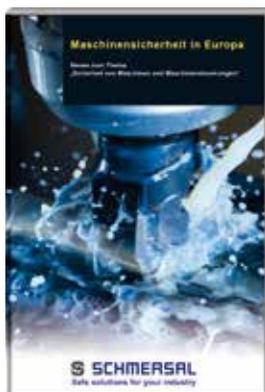
The Schmersal group regularly publish specialist journals and books on machine safety. Very recently, the 400 page book: "Safety of machinery in Europe". 26 authors are reporting with 30 comprehensive and easy to understand technical papers on specific topics of machine safety.

With the tec.nicum the Schmersal Group opened a convention centre in 2007 that is open for designers and users of machines. Here we offer you a comprehensive program:

- Seminars and events dealing with many issues of machine safety
- Three event locations in Germany
- In-house Seminars
- Renowned speakers from different fields

Also our online catalogue www.schmersal.net and the relevant portals, there are component libraries and CAD data for our safety switchgears. The designer can easily import this construction data over commonly used interfaces. Using our interactive application finder you can quickly and easily find the right product for your application.

www.tecnicum.schmersal.com





The Schmersal Group

For many years the privately owned Schmersal Group has been developing and manufacturing products to enhance occupational safety. What started out with the development and manufacture of a very wide variety of mechanical and non-contact switchgear has now become the world's largest range of safety systems and solutions for the protection of man and machine. Over 1,500 employees in more than 50 countries around the world are developing safety technology solutions in close cooperation with our customers, thus contributing to a safer world.

Motivated by the vision of a safe working environment, the Schmersal Group's engineers are constantly working on the development of new devices and systems for every imaginable application and requirement of the different industries. New safety concepts require new solutions and it is necessary to integrate new detection principles and to discover new paths for the transmission and evaluation of the information provided by these principles. Furthermore, the set of ever more complex standards, regulations and directives relating to machinery safety also requires a change in thinking from the manufacturers and users of machines.

These are the challenges which the Schmersal Group, in partnership with machinery manufacturers, is tackling and will continue to tackle in the future.

Product ranges



Safe switching and monitoring

- Guard door monitoring safety switches
- Command devices with safety function
- Tactile safety devices
- Optoelectronic safety devices

Safe signal processing

- Safety monitoring modules
- Safety controllers
- Safety bus systems

Automation

- Position detection
- Command and signalling devices

Industries



- Elevators and escalators
- Packaging
- Food
- Machine tools
- Heavy industry

Services



- Application advice
- CE conformity assessment
- Risk assessment in accordance with the Machinery Directive
- Stop time measurements
- Training courses

Competences



- Machine safety
- Automation
- Explosion protection
- Hygienic design

Precautions have been taken to assure accuracy of the information in this catalogue. Typographic or pictorial errors that are brought to our attention will be corrected in subsequent issues.

www.schmersal.com



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