

The advertisement features a background of various blue and white electrical components, including cable management channels, a square connector, and a multi-pin connector. A balance scale with a single egg on one side is visible on the left. The MAYSER logo and slogan are prominently displayed in the upper right.

MAYSER®
Polymer Electric

**Innovative by
tradition**

System requirements:

- Internet-Browser
(recommended: Internet Explorer 5.0 or higher)
- Resolution of min. 800 x 600
(recommended: 1024 x 768)
- Acrobat Reader
(recommended: 4.0 or higher)

Contents:

Mayser website –
"Safety Technology"
Acrobat Reader
Internet Explorer
Netscape
Visual Basic RunTime

Installation:

The program boots automatically from the CD. No installation required. The CD-ROM starts automatically following insertion into the drive. Should this not be the case, doubleclick the file "Start-CD.exe".

Boot problems:

(1) The circular start window does not open despite doubleclicking "Start-CD.exe". Visual Basic RunTime is not installed. The program can be installed from the Tools\VisualBasicRunTime folder on the CD.

(2) For systems using a firewall: deactivate all proxy servers prior to viewing the CD. How? In Internet Explorer go to the LAN settings in the "connections" register and click "settings". Deactivate the tick box "automatic settings search" and "use proxy server for LAN".

Entire catalogue

You will find the entire Mayser catalogue on this CD. Should you prefer a hard copy, please phone us or send us an e-mail. We would then gladly send you the catalogue.

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Mayser.

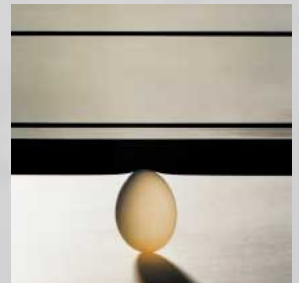
Innovative by tradition.



Mayser is an innovative enterprise and an enterprise with over 200 years of tradition. Founded on 27 September 1800, Leonhard Mayser's hattery quickly developed into a manufacture in the following years, to go on to become a hat factory. According to company records, over 250,000 hats were already being produced each year by the end of the nineteenth century.

Today, the name Mayser stands for a successful business group, whose name is not only connected to high-quality and fashionable hats and knitwear, but also to safety systems which are used in personnel safety and in applications relating to health and safety at work.

And just as in the early days, the Polymer Electric division - this is where the safety systems are developed, manufactured and sold - reached a leading position, recognised in its field, within the space of a few years. Technical reliability, quality and economy serve as a basis for the company's durability and stability. Our success confirms this.



Cover:

The experiment with the egg. An experiment which puts the high sensitivity of Mayser's safety systems to the test in a very impressive manner: an elevating gate fitted with a Mayser Safe Edge moves steadily towards a raw egg. The heavy gate touches the egg and the dangerous movement is brought to an immediate halt. The danger has been averted.

Convincing performance. Mayser Safety Systems.



Mayser Polymer Electric means safety. Safety anywhere lifting, lowering, pushing, driving or swivelling movements have to be either interrupted or controlled in order to protect man or machine.

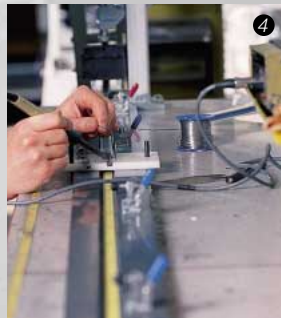


Picture 1 - 3: Safety Mat production - made to suit exactly the customer's requirements.

Picture 4: Safe Edge production - quality work done by hand is to the fore.



Everything began about 20 years ago. The experiments which Mayser engineers carried out with textile materials, copper powder and polyurethane led to the successful development of a conductive foil. The work then carried out together with the Berufsgenossenschaft turned the foil prototypes into a Safety Mat with reliable function. The Safety Mat has been very successful since its launch in 1984. Thus emerged the specialist for safety technology from a company whose sole interests were originally in the textile field.



Today, the Polymer Electric division is internationally active and has over 150 employees.

Our products and achievements have a lot of standing all around the world. In order that the products also meet the ever greater requirements of tomorrow we look critically at problems time and time again, we put new ideas into action. And we learn from our experience, from the interchange with our customers and the users of our products, as well as from intensive dialogue with the testing institutions.



**Mayser
Safety Systems**

- tactile sensors
 - Safety Mats
 - Safety Edges
 - Safety Bumpers
- non-contact safety devices
 - ultrasonic sensory analysis
 - personnel safety systems for use as a protective device in warehouse aisles

Intensive undertakings in development and engineering are a focal aspect of our activities. In this manner Mayser extended the range of products again and again down through the years with innovative and economical solutions.

Today, important developments are taking place above all in the electronic sector.

Exemplary for this are the ultrasonic sensory analysis and personnel safety systems for protecting warehouse aisles. Further developments in tactile sensors, conforming to the needs of today, are also called for. The APS protection system for automatic window openers in passenger cars, a development of Mayser's tried and tested Safety Edges shows in an impressive manner one of our most important tasks: the opening up of new application fields, the provision of safety in the most diverse spheres of everyday life.



Picture 1–5: Ultra-modern APS production line. On completion, each protection system is tested for function.

Top-class technology. For our customers. All around the world.



Picture 1 + 2: Quality assurance according to DIN ISO 9001

Picture 3: An ultra-modern extrusion line guarantees high-quality performance from just one source.

Picture 4: The electronics laboratory at Mayser

Our company's supreme principle is customer oriented thinking and action – to meet the needs of our customers using first-class technical performance. Performance with a personal note, geared to the respective requirements.

And this is exactly why quality has a special meaning for Mayser. We were the first manufacturer in Europe to obtain a test certificate for Safety at Work for our Safety Mats. It goes without saying, of course that our products are in keeping with the latest EU Directives, e.g. the directive on machinery.

But that's not all. Our company structure is such that all our operations are geared to the constant optimisation of our products and services. And our quality management system has been certified by the TÜV according to DIN ISO 9001.

Because quality is more than just a question of checking the product. Quality management is the key term which encompasses all our activities. From the development of a product, the sourcing and checking of materials, across production and product control, right down to marketing and materials management.



The Production department at Mayser shows clearly our claim to the economical production of optimal products. An ultra-modern, automated production line on the one hand - this guarantees economy and high reliability. On the other hand, quality-conscious work done by hand, thus allowing individual, customised solutions.

Whoever decides for Mayser products today does not only gain from our technical authority - due to the extensive advice and service we offer, our products are worth even more.

This is why well-trained and well-educated employees, who guarantee our claim in a lasting and dependable manner, are especially important. It is necessary to secure each individual's expert qualifications and to promote personal know-how. Because high-standard products, service and advice can only come about with responsible and motivated employees.



Picture 1: Sales and administration. Looking after the customers is a central responsibility.

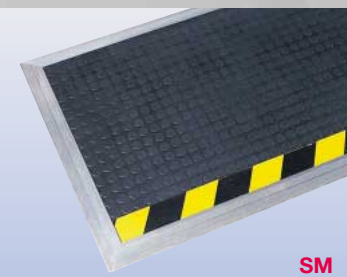
Picture 2: High-bay racking - to put in and take out of store rapidly and safely.

Picture 3: CAD - computer-aided design - the foundation of modern, high-quality products.

Picture 4: Heat test.

Our products: safety systems.

Our claim: high-quality and made to suit exactly all requirements.



Mayser Safety Mats. Area protection for danger zones.

Whether for machines or robots, transfer lines or automatic handling machines, Mayser Safety Mats provide the best possible protection for plane protection of dangerous movement areas.

Depending on the circumstances and the requirements, we supply the Safety Mats with rubber surface toppings as protection against slipping, or indeed with suitable ramp edging, to avoid the danger of tripping.

Mayser Safety Mats can be manufactured in any required shape. Not only does Mayser produce the mats according to individual measurement requirements, they also supply mats in well-assorted standard sizes.



Mayser Safety Edges. Accident prevention in danger areas, where nipping or shearing can arise.

The Safety Edges can be used in many different cases: from lifting platforms to machine doors to sliding shelves, Mayser Safety Edges protect people reliably from dangerous, automatic movements. Just a small amount of pressure is sufficient to avert the danger.

Mayser Safety Edges can be supplied in all required lengths. Not only is there a well-assorted range of standard Safety Edges available, Mayser also manufactures according to individual requirements. Even angled Safety Edges or Safety Edges without any dead zones are possible.

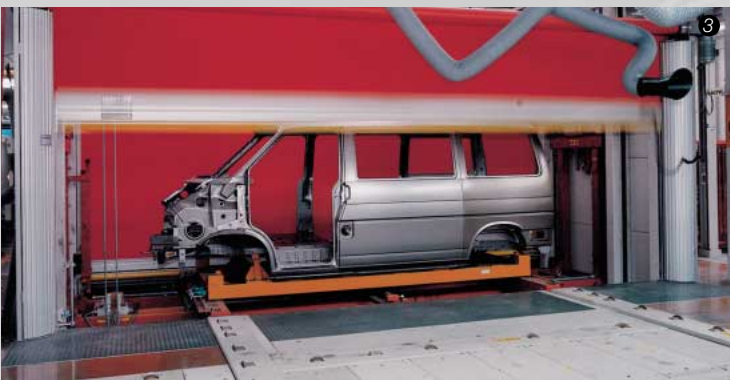
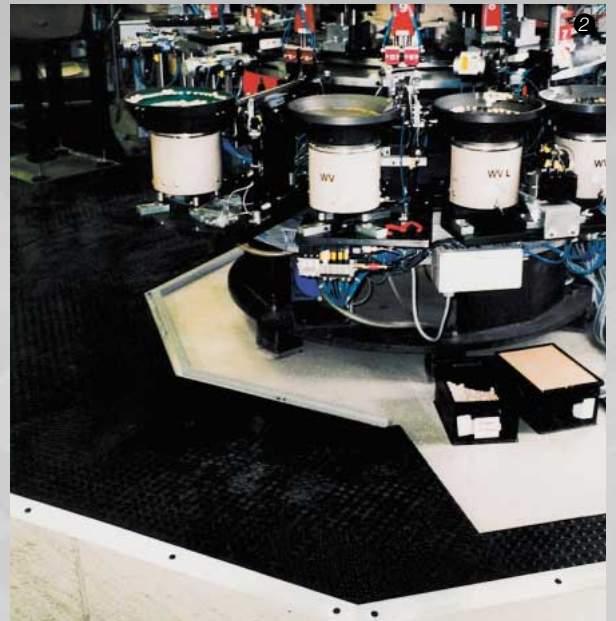
Not to be forgotten: the KLS and WLS signal transmission systems, important components of the safety systems Mayser has on offer. Their purpose is the easy transmission of power and signals. Simple and quick to install, extremely sturdy and tough.



Mayser Control Units. For every safety system and for every required category.

Beginning with a monitoring for function of the sensors, right down to automatic Control Units (Category 4 according to EN 954-1), the Control Units are an important element in Mayser Safety Systems. They are the connecting link between sensor and machine control system. They process the signals and cause the dangerous movement to be turned off.

economical,



Picture 1: Wood working machine made safe with Safety Mats.

Picture 2: Electronic components processing equipment made safe with Safety Mats.

Picture 3: Safety Mats as a protective measure in a car manufacturing plant.

Picture 4: Sliding gate made safe with a Maysers Safety Edge.

Picture 5: Sliding door of a machining center made safe with a Safety Edge.



SB



ÖPNV



MSL

Mayser Safety Bumpers.
For making driverless
vehicles and free-moving
systems safe.

The Mayser Safety Bumper is a collision cushion made of polyurethane foam with a special skin. The collision cushion has a built-in safety cutoff. If, for example, a robot which is fitted out with a bumper, meets with resistance, the movement is stopped immediately.

As with all other products: this safety system is also monitored for function and gives maximum safety.

The performance certainty of the bumper is provided by a safety strip which is mounted on a back panel behind the bumper. Two significant advantages arise out of this: firstly, the function is protected from overhead and secondly, it is also guaranteed, even if the foam should be damaged.

Mayser Safety Systems for
local public transport.

Mayser's safety products have not only proved themselves in industry, Safety Edges and Step Sensors from Mayser are also in use reliably in local public transport systems.

In order to protect people and objects, the automatic closing doors of buses, trams and trains have to be made safe reliably. With Safety Edges and Sensor Steps which are monitored for function, Mayser offers high-quality, economical safety systems which are made to suit exactly the requirements in local public transport.

The material used, the performance and the function comply with the highest possible standards. They are the result of our long-standing development activities and experience gained all over Europe. To protect passengers.

Mayser Mini Safety Edges.
The smallest anti-pinch
systems we have.

Tiny measurements and huge reliability: this is what characterises the Mayser Mini Safety Edges - a further development of the proven Mayser Safety Edge. They are for use in all instances where only very small overtravel distances or installation heights are possible.

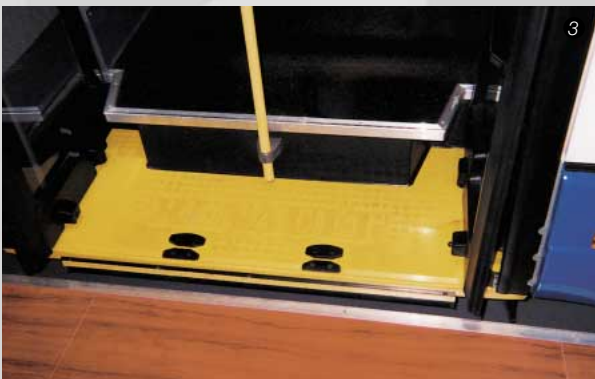
A classic example: The anti-pinch system (APS) for electrically operated window openers with auto buttons in cars. The automatic closing function however, can also cause the danger of nipping and shearing points to arise. Perfected safety installations - such as the Mayser APS - however, can avert the danger by using simple means.



1



2



3



4

Picture 1: Shipyard gate made safe with a Safety Bumper.

Picture 2: Mini Safety Edge for making power lift gates safe.

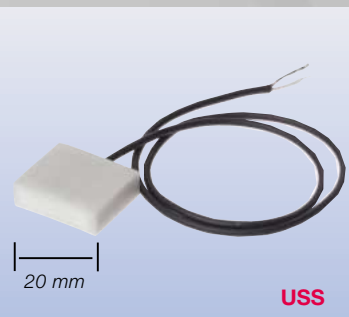
Picture 3: Sensor Step used in local public transport.

Picture 4: Safety Edges to make entrances and exits safe.

Picture 5: Mayser Safety in local public transport.



5



Mayser Ultrasonic Sensory Analysis. Optically independent, non-touch protection.

Optically independent safety: this is where the Mayser non-touch protection safety devices (NTPS) prove their strong points. Dangerous situations are already detected in advance and can be assessed and judged. And this even in especially unfavourable visibility conditions, for example in the case of smoke development or matchwood, as well as in rooms where sensitivity to light plays an important role, as is the case for example in a photographic laboratory. Using narrow sound fields (similar to a curtain) it is possible to make sure that only authorised persons enter critical access areas in manufacturing plants for films.

The Mayser Ultrasonic Sensory Analysis System is a very versatile system due to the fact that the protection field can be configured in many different ways. Always optimally adapted to suit the surroundings in question. The Mayser Ultrasonic Sensory Analysis is not only for use as a stationary monitoring system in industry: its use as an anti-pinch protection system in electrically operated windows in automobiles or lorries is also possible.

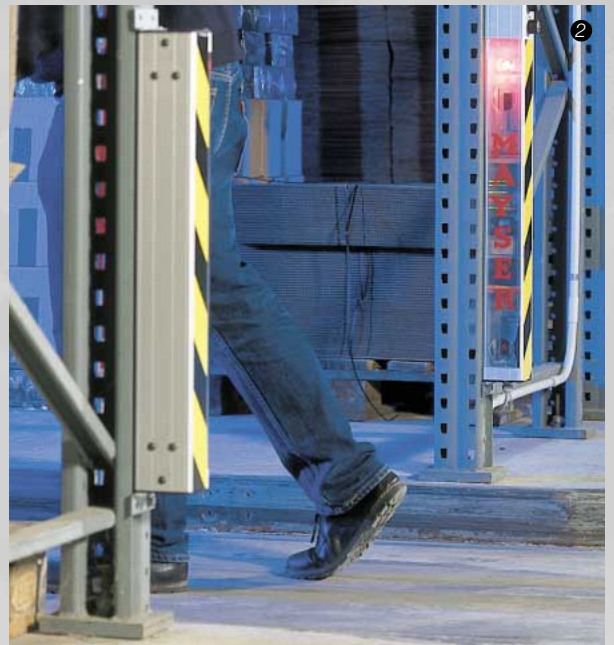


Mayser Personnel Safety System. Personnel safety in high-bay racking.

The Personnel Safety System PSA is an automatic warning system developed by Mayser (in accordance with DIN 15185, Part 2) to deal especially with the problems that arise in high-bay racking warehouses with combined-use narrow aisles - both people and forklifts have access here.

The advantages of the system lie not only in the small amount of space it takes up, or in the easy installation, since no light curtains are required. Installation can even take place while the warehouse is in operation. The daily test for function can also be dropped because the system tests itself automatically.

The Personnel Safety System PSA is expandable right up to an entire installation for high-bay racking warehouses. It is also suitable for use as a monitoring system for large areas, halls or gateways.



Picture 1+2: High-bay racking with Mayser Personnel Safety System.

Picture 3: Mayser Ultrasonic Sensory Analysis as anti-pinch protection system in automobiles.

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29 430 – 31 869		x				
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33 000 – 33 039		x				
33 040 – 33 829			x			
34 000 – 34 549		x				
34 550 – 36 399				x		
36 400 – 36 469	x					
37 000 – 37 299		x				
37 300 – 37 359	x					
37 400 – 38 479		x				
38 480 – 38 489	x					
38 500 – 38 729		x				
38 800 – 39 649	x					
40 000 – 48 499			x			
48 500 – 48 539		x				
48 540 – 49 329			x			
49 340 – 49 459		x				
49 460 – 49 549			x			
49 550 – 49 849		x				
50 100 – 53 949			x			
54 200 – 55 779				x		
56 000 – 56 769			x			
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70 000 – 74 679					x	
74 700 – 74 939				x		
75 000 – 76 709					x	
76 710 – 76 899				x		
77 600 – 79 879					x	
80 000 – 87 789						x
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88 100 – 88 179						x
88 180 – 89 299					x	
89 300 – 89 449						x
89 500 – 89 619					x	
90 000 – 96 489						x
96 500 – 96 529	x					
97 000 – 97 799						x
97 800 – 97 999				x		
98 500 – 99 999	x					

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